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SCOTT E. ENRIGHT
Chairperson, Board of Agriculture

PHYLLIS SHIMABUKURO-GEISER
Deputy to the Chairperson

**TESTIMONY OF SCOTT E. ENRIGHT
CHAIRPERSON, BOARD OF AGRICULTURE**

BEFORE THE HOUSE COMMITTEE ON AGRICULTURE

February 19, 2015
8:30 A.M.
CONFERENCE ROOM 312

**HOUSE BILL NO. 1514 HD 1
RELATING TO ENVIRONMENTAL PROTECTION**

Chairperson Tsuji and Members of the Committee:

Thank you for the opportunity to testify on House Bill 1514 HD 1. This bill establishes notification and disclosure requirements for outdoor pesticide applications near schools, childcare facilities, and certain commercial agricultural entities, as well as buffer zones and wind speed restrictions for outdoor pesticide applications in sensitive areas such as schools, hospitals, and adult residential care facilities. The Hawaii Department of Agriculture (HDOA or Department) has strong reservations about HB 1514 HD 1.

The protection of children, the elderly and other sensitive residents is of concern to the Department, however, we need to point out that pesticides are already highly regulated at both federal and state levels to ensure safety for users, the general public, and the environment.

Before a pesticide product is registered with the U.S. Environmental Protection Agency (EPA) for sale or use within the U.S., scientific risk assessments are conducted to evaluate the potential for harm to humans, wildlife, plants, fish including endangered species and non-target organisms, contamination of surface water or ground water from leaching, runoff, and spray drift. A pesticides product label lists restrictions on use that EPA determines to be necessary to protect human health and the environment, and can contain restrictions against applying the pesticide when weather conditions are likely to result in drift to sensitive areas, such as schools and hospitals, or requiring buffer zones from wells to protect groundwater. Pesticide products are also reviewed for short-term toxicity to long-term effects on infants and the elderly, risks to farm workers, bystanders, potential off-target drift, and volatilization before EPA grants a registration number for the product.



The Department submits that the concern underlying HB 1514's proposed buffer zone and wind speed restrictions is addressed by the scientific testing required by EPA's pesticide registration process and by the pesticide label restrictions that EPA imposes. Certain pesticide product labels will indicate if there is a need for a buffer zone for application near streams. Most pesticide products will have the label statement "Avoid Drift" which requires the applicator to ensure that an application will not move off target and potentially cause unreasonable adverse effects. Moreover, although the Department has regulated pesticides more strictly than EPA based on local environmental considerations when scientifically supported, the Department does not have the resources to make a second determination as to whether buffer zone or wind speed restrictions are necessary for every pesticide product. The Department conducts inspections to enforce label compliance and violators may be subject to suspension or revocation of certification to use restricted use pesticides, if applicable, and to civil penalties.

In regards to the section discussing mandatory disclosure and notification of commercial agricultural pesticide use, the bill's requirement for prior public notification of outdoor pesticide applications of any pesticide, whether restricted use pesticides (RUPs) or not, exceeds EPA label requirements without apparent scientific basis. The bill's requirement for recordkeeping and annual pesticide use reporting for both RUP and general use pesticides to HDOA for public posting will necessitate the hiring of additional Department staff to handle this reporting activity. The commercial agricultural entities required to submit this pesticide use information may claim that some of the required information is confidential business information protected from public disclosure under section 92F-13(3), HRS, of the Uniform Information Practices Act, also known as the State public records law. If the determination is made that the confidentiality claim is justified, that information could not be publically disclosed. In summary, the Department believes that the risk of pesticide exposure to children, the elderly, infirm and the potential need for buffer zones, wind speeds, and potential harm to the environment from pesticide use have been thoroughly investigated and evaluated by the EPA's pesticide product registration process. The Department will continue to enforce the use of pesticides in accordance with the pesticides label.

Finally, the Department would like to point out that language in section 1 of the bill seems to target a segment of the farming community. The Department supports all agricultural activity that is being conducted in accordance with federal, state, and county regulations. Pesticides are used by a number of different entities including private industry, government agencies, and homeowners and any measure that addresses pesticide use should look at all those entities who use pesticides.

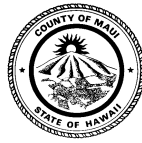
Thank you for the opportunity to present testimony.

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February 18, 2015

TO: Honorable Cliff Tsuji, Chair
House Committee on Agriculture

FROM: Elle Cochran
Councilmember

DATE: February 18, 2015

SUBJECT: **TESTIMONY IN SUPPORT OF HB 1514, RELATING TO ENVIRONMENTAL PROTECTION**

Thank you for the opportunity to testify in support of this important measure. The purpose of this measure is to establish disclosure requirements for outdoor applications of pesticides in proximity to schools, childcare facilities, and certain commercial agricultural entities. Establish reasonable pesticide buffer zones for sensitive areas. Establish penalties.

I support this measure for the following reasons:

1. I feel strongly that the State should establish disclosure requirements for large-scale, outdoor, commercial agriculture operations in Hawaii to report what they are applying, when they are applying it, dates when the applications were made and how much was applied.
2. Being aware that the State currently does not have an adequate regulatory structure in place to monitor human health impacts of pesticide drift near sensitive populations, I can appreciate the intent of this legislation and I do feel that it is a step in the right direction.
3. Moreover, due to the ever increasing need for development expansion I feel that it is in the best interest of the State of Hawaii to adopt this bill and set in place the necessary structure for the combined future of agriculture and development in Hawaii.

For the foregoing reasons, I support this measure.

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 2:07 PM
To: AGRtestimony
Cc: blake@pixi.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Blake	GMO Free Kauai	Support	No

Comments: Please support HB1514, it is common sense to protect the children of Hawai'i. We know that young children, are especially at risk of adverse health effects when exposed to pesticides at a young age. If the debate is between protecting the health of our children, versus the health of international chemical companies profits, the answer should be clear. Please support this bill and protect the children. Mahalo, Blake Drolson Gmo Free Kaua'i.

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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House Committee on Agriculture

Hawai'i Center for Food Safety strongly supports: HB 1514 CD1

Dear Chair Tsuji, Vice Chair Onishi, and members of the committee:

My name is Dr. Ashley Lukens and I am the Hawai'i Program Director for the Center for Food Safety (CFS). CFS is a nationwide public interest, sustainable agriculture nonprofit organization whose mission centers on furthering the public's right to know how their food is produced, through labeling and other means. We have over 600,000 farmer and consumer members across the country, including over 7,000 in Hawai'i. On behalf of CFS and our members, I thank you for the opportunity to speak to you today regarding this important bill.

CFS has been dedicated to addressing the human health and environmental impacts of our increased reliance on pesticide use in food production, both in the State of Hawai'i and nationally. We were instrumental in providing legal and communications support in the passage of numerous ordinances relating to pesticide use and disclosure, such as Kaua'i's Bill 2491. Since 2014, as the inaugural director here in Hawai'i, I have worked closely with community members across the state, in all counties, and have played an instrumental role in the passage of Maui's moratorium on GE production until companies submit environmental and public health impact assessments.

I am also an adjunct professor of Political Science at UH Mānoa and UH West O'ahu, where I have taught classes on food, agriculture, and policy since 2006.

I am writing in strong support of HB 1514 CD 1, which requires that the state protect keiki and kupuna health by requiring disclosure, notification, and buffer zones in relation to toxic restricted-use pesticides around schools and nursing homes. Buffer Zones are a common sense solution for communities who are increasingly concerned about pesticide drift from large agricultural operations in their community. We can and should mitigate any risk these operations pose to the future generations of Hawai'i.

This bill protects communities who could be potentially impacted by pesticide drift by requiring that restricted-use pesticide users disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift. **Such regulations are in line with the regulations of 31 other states who understand that it is vital for states to protect**

children and sensitive populations from the toxic impacts of pesticide use by regulating pesticide use on or around schools.^{1,2,3}

Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds from neighboring agricultural lands, or from pesticide residues.^{4,5} **It is critical that the state take action to reduce childhood pesticide exposure because toxic exposure to pesticides during fetal,⁶ neonatal,⁷ and infant life can disrupt critical developmental processes.⁸** Early life pesticide exposure has been linked to long-term health effects including cancer,⁹ decreased cognitive function,^{10,11,12} behavior problems,^{13,14} birth defects and other adverse birth outcomes,^{15,16} and asthma.¹⁷

¹ Owens, K and Feldman J. 2004. "Getting the drift on chemical trespass: Pesticide drift hits homes, schools, and other sensitive sites throughout communities," *Pesticides and You*, Vol. 24, No. 2: 16-21.

² CPR 2010. Pesticide Protection Zones: Keeping Kids Safe at School. Californians for Pesticide Reform, Pesticide Watch, Center for Environmental Health, March 2010.

³ Hurley JA et al. 2014. Regulating pesticide use in United States Schools. *American Entomologist* 60(2): 105-114.

⁴ Alarcon WA et al. 2005. Acute illnesses associated with pesticide exposure at schools. *Journal of the American Medical Association* 294(4): 455-465.

⁵ Goldman P, Brimmer JK and Ruiz V. 2009. "Pesticides in the Air – Kids at Risk: Petition to EPA to protect children from pesticide drift," *Earth Justice and Farmworker Justice*, October 2009.

⁶ Rull RP, Gunier R, Von Behren J, Hertz A, Crouse V, Buffler PA, and Reynolds P. 2009. Residential Proximity to Agricultural Pesticide Applications and Childhood Acute Lymphoblastic Leukemia. *Environmental Research*, 109(7): 891-899.

⁷ Chevrier C, Limon G, Monfort C, Rouget F, Garlantezec R, Petit C, Durand G, and Cordier A. 2011. Urinary Biomarkers of Prenatal Atrazine Exposure and Adverse Birth Outcomes in the PELAGIE Birth Cohort. *Environmental Health Perspectives*, 119(7): 1034-1041.

⁸ Shelton, JF et al. 2014. Neurodevelopmental Disorders and Prenatal Residential Proximity to Agricultural Pesticides: The CHARGE Study. *Environmental Health Perspective*, 122(10): 1103-1110.

⁹ Infante-Rivard C, Labuda D, Krajcinovic M, Sinnott D. 1999. Risk of childhood leukemia associated with exposure to pesticides and with gene polymorphisms. *Epidemiology* 10(5): 481-487.

¹⁰ Rauh V, Arunajadai S, Horton M, et al. 2011. Seven-year neurodevelopmental scores and prenatal exposure to chlorpyrifos, a common agricultural pesticide. *Environ Health Perspect*. 119(8): 1196–1201.

¹¹ Bouchard MF, Chevrier J, Harley KG, et al. 2011. Prenatal exposure to organophosphate pesticides and IQ in 7-year-old children. *Environ Health Perspect*. 119(8): 1189–1195.

¹² Engel SM, Wetmur J, Chen J, et al. 2011. Prenatal exposure to organophosphates, paraoxonase 1, and cognitive development in childhood. *Environ Health Perspect*. 119(8): 1182–1188.

¹³ Roberts EM, English PB, Grether JK, Windham GC, Somberg L, and Wolf C. 2007. Maternal Residence near Agricultural Pesticide Applications and Autism Spectrum Disorder among Children in the California Central Valley. *Environmental Health Perspectives*, 115(10): 1482-1489.

¹⁴ Bouchard MF, Bellinger DC, Wright RO, Weisskopf MG. 2010. Attention-deficit/hyperactivity disorder and urinary metabolites of organophosphate pesticides. *Pediatrics*. 125(6). Available at: www.pediatrics.org/cgi/content/full/125/6/e1270.

¹⁵ Garry VF, Harkins ME, Erickson LL, Long-Simpson LK et al. 2002. Birth Defects, Season of Conception, and Sex of Children Born to Pesticide Applicators Living in the Red River Valley of Minnesota, USA. *Environmental Health Perspectives* 110 (Suppl. 3): 441-449.

¹⁶ Garry VF, Harkins ME, Erickson LL, Long-Simpson LK et al. 2002. Birth Defects, Season of Conception, and Sex of Children Born to Pesticide Applicators Living in the Red River Valley of Minnesota, USA. *Environmental Health Perspectives* 110 (Suppl. 3): 441-449.

In Hawai'i, there have been at least six episodes of pesticide-induced illness at schools since just 2006. Teachers and schoolchildren in Waimea on Kaua'i have reported becoming sick on three separate occasions following chemical applications to a nearby seed corn plot.¹⁸ In a 2008 episode, 60 children and at least two teachers experienced headaches, dizziness, nausea and/or vomiting; 10 or more children were treated at an emergency room; several were put on a nebulizer to relieve respiratory distress; and one was given an anti-vomiting medication intravenously. A teacher who was also affected firmly rejected the explanation given by Hawai'i officials and Syngenta that "stinkweed" was the culprit, saying that she was familiar with stinkweed's odor and that this was not the cause.^{19,20}

At least three similar episodes have been reported on O'ahu. In 2007, 15 students were sickened by pesticide drift at Kahuku Intermediate and High Schools, forcing closure of the school for three days, while other students reported ill effects from the use of the insecticide *malathion* at St. Joseph School in Waipahu in 2008.^{21,22} In 2014, 31 students and staff at Kahaluu Elementary School experienced nausea, burning eyes, shortness of breath, dizziness, sore throat and coughing, and 26 were evacuated to and treated at nearby hospitals, due to a strong chemical odor that the Fire Department linked to reports of pesticide spraying in the area.²³ These symptoms are all commonly reported effects of exposure to pesticides.²⁴

These media reports likely represent a small fraction of actual pesticide poisoning cases, for several reasons. First, as acknowledged by our EPA, "many [pesticide drift] incidents are unreported."²⁵ Second, even when victims of pesticide poisoning do seek medical attention, California officials have found that "[p]hysicians often do not report potential pesticide illnesses,"²⁶ often because many physicians are ignorant of the effects of pesticide poisoning.²⁷ Finally, Hawai'i does not have a "pesticide poisoning surveillance program" of the sort established in 11 other states – California, Florida, Iowa, Louisiana, Michigan, Nebraska, New

¹⁷ Salam MT, Li YF, Langholz B, Gilliland FD; Children's Health Study. 2004. Early-life environmental risk factors for asthma: findings from the Children's Health Study. *Environ Health Perspect.* 112(6): 760–765.

¹⁸ Leone, D. (2008). "Odor that got kids sick debated." *Honolulu Advertiser*, February 24, 2008. Available at: <http://the.honoluluadvertiser.com/article/2008/Feb/24/In/hawaii802240350.html>.

¹⁹ Leone, op. cit., p. 2

²⁰ Hillyer, B. (2008). "Lawmakers concerned about pesticide spraying." *Hawai'i News Now*, February 5, 2008. <http://www.hawaiinewsnow.com/story/7822628/lawmakers-concerned-about-pesticide-spraying>.

²¹ Ibid.

²² Leone, op. cit., p. 2

²³ Kalani N. & L. Fujimori. (2014). "Dozens of Kahaluu students sickened by fumes at campus." *Honolulu Star-Advertiser*, April 4, 2014. <http://www.staradvertiser.com/s?action=login&f=y&id=253867411&id=253867411>.

²⁴ AAP (2012). "Pesticide exposure in children." Policy Statement, American Journal of Pediatrics, Council on Environmental Health. *Pediatrics*, 130(6): e1757-e1763

²⁵ EPA (2001). "Pesticide Registration (PR) Notice 2001-X Draft: Spray and Dust Drift Label Statements for Pesticide Products." Office of Pesticide Programs, Environmental Protection Agency, 2001.

²⁶ CA PISP Fact Sheet. Preventing pesticide illness. California's Pesticide Illness Surveillance Program. CA Deptment of Pesticide Regulation.

²⁷ AAP, op. cit., p. 3

York, North Carolina, Oregon, Texas and Washington.²⁸ Such a program, if established in Hawai'i, would likely capture many more pesticide-induced illnesses.

Evidence from other states also suggests that pesticide drift is a frequent occurrence. A study of pesticide exposure at schools in eight states from 1998 to 2002 identified 2,593 individuals who had experienced acute pesticide-related illnesses. Of the 406 cases for which more detailed information was available, nearly one third (31%) involved pesticide drift from farmland while the others involved pesticide use at the school.²⁹ In a single year, seven pesticide drift cases involving school buses were reported in California's San Joaquin Valley.³⁰ According to Teresa de Anda of Californians for Pesticide Reform, who has visited many rural communities in her state, drift has become "so commonplace that people don't report it."³¹

Exposure to pesticide drift causes numerous short-term impacts that include headaches, dizziness, difficulty breathing, nausea, vomiting, weakness, chest pain, fatigue, rashes, and eye ailments.^{32,33} While it is often assumed that people suffer no permanent harm from a single (acute) pesticide exposure, research indicates that this is often not the case. For instance, scientists have found increased rates of depression³⁴ and impaired cognitive functioning³⁵ in people exposed acutely to certain toxic pesticides. Longer-term exposure to drift is also hazardous. Epidemiological studies show greater risk of diseases such as autism,³⁶ Parkinson's disease,³⁷ and childhood leukemia³⁸ in people living near agricultural fields sprayed with pesticides, suggesting that exposure via drift is responsible. Indeed, monitoring in California and Washington has found that airborne pesticide levels sometimes exceed acceptable health standards.³⁹

In recognition of its failure to adequately prevent pesticide drift and its harms, EPA proposed stronger regulations in 2001,⁴⁰ but these regulations were never finalized and are not in effect,

²⁸ See <http://www.cdc.gov/niosh/topics/pesticides/Statebase.html>, last visited 11/12/14.

²⁹ Alarcon, op. cit., p. 2

³⁰ Khokha, S (2010). "Pesticide drift' eluding efforts to combat it," National Public Radio, KQED, 2/28/10, <http://www.npr.org/templates/story/story.php?storyId=123817702>

³¹ Ibid.

³² Owens and Feldman, op. cit., p.1

³³ CA PISP. (1992-2011). Based on symptoms reported in records obtained from a search of agricultural drift episodes in California from 1992-2011. CA Pesticide Illness Surveillance Program Illness Query database, search conducted 7/12/14. <http://www.cdpr.ca.gov/docs/whs/pisp.htm>.

³⁴ Stallones, L. & C. Beseler. (2002). "Pesticide poisoning and depressive symptoms among farm residents." *Annals of Epidemiology*, 12: 389-394.

³⁵ Rosenstock, L. Keifer, M. Daniell, W.E. McConnell, R. & K. Claypole. (1991). "Chronic central nervous system effects of acute organophosphate pesticide intoxication." *Lancet*, 338:223-227.

³⁶ Roberts et al., op. cit., p.2

³⁷ Costello, S. (2009). "Parkinson's disease and residential exposure to maneb and paraquat from agricultural applications in the central valley of California." *American Journal of Epidemiology*, 169(8): 919-926.

³⁸ Rull, op. cit., p.2

³⁹ Goldman, op. cit., p.2

⁴⁰ EPA, op. cit., p.3

leading public interest and farmworker groups to formally petition EPA to establish regulations to protect children from pesticide drift.⁴¹ **The American Academy of Pediatrics and other medical scientists recognize pesticide drift as a health threat to children and recommend no-spray zones for schools.**^{42,43} A growing number of states and counties have established no-spray buffer zones around schools, hospitals, nursing homes, public parks and playgrounds to protect their citizens and especially children from pesticide drift.^{44,45}

We would all like to believe that EPA protects us from pesticide harms. But sadly, this is often not the case. Above, we described numerous examples of EPA-approved pesticides that medical scientists have found to be hazardous, several of which are banned in other nations. Below, we recount some of the weaknesses in EPA's assessment process that lead to approval of hazardous products.⁴⁶

First, EPA requires testing only on the pesticide product's active ingredient (a.i.), even though it is well-known that so-called "inert ingredients"⁴⁷ in pesticide formulations can be toxic in their own right, or increase the a.i.'s toxicity. Similarly, EPA assesses risks from exposure to only one a.i. at a time, even though in the real world we are exposed to multiple pesticides that can in some cases have additive or synergistic effects. Importantly, EPA relies almost entirely on animal experiments conducted by financially interested pesticide companies, and virtually ignores more relevant human epidemiological studies carried out by independent medical scientists. In addition, EPA approves hazardous pesticides based on the assumption that farmers and pesticide applicators will comply perfectly with exposure reduction measures (e.g. rubber gloves, boots, goggles, long-sleeve shirt), despite clear evidence that such measures are unrealistic and often not followed. Of course, schoolchildren and others exposed to drift have no way of implementing such protective measures.

As deficient as EPA regulation is generally, it provides still less protection in the case of pesticide drift. Though EPA has long required pesticide labels to include admonitions to applicators to avoid spray drift, as described above it is an extremely frequent occurrence. Despite rules that ostensibly prohibit application in windy conditions, the Association of American Pesticide Control Officials (AAPCO) "has experience that supports that there are numerous pesticide applications made when it is too windy."⁴⁸ Neither does EPA take drift exposure into account when it registers or re-registers individual pesticides. Finally, EPA's very

⁴¹ Goldman, op. cit. p. 2

⁴² AAP, op. cit., p.3

⁴³ Alarcon, op. cit., p. 2

⁴⁴ Owens and Feldman, op. cit., p.1

⁴⁵ Hurley, J.A. et al (2014). "Regulating pesticide use in United States Schools." *American Entomologist*, 60(2): 105-114.

⁴⁶ Jacobs M & S. Clapp. (2008). "Agriculture and Cancer: A Need For Action," October 2008.

http://www.sustainableproduction.org/downloads/AgricultureandCancer_001.pdf

⁴⁷ In this context, "inert" means non-toxic to the target pest, and says nothing about the ingredient's toxicity to people or the environment.

⁴⁸ AAPCO (2002). Letter from Donnie Dippel, President of AAPCO, to Jay Ellenberger of EPA, March 25, 2002.

definition of drift is deficient, in that it leaves out vapor drift and pesticide-laden dust, considering only the form of drift that occurs during application.⁴⁹

One clear example of EPA's deficient regulation is chlorpyrifos, the organophosphate (OP) insecticide used heavily in Hawai'i, and implicated in many of the serious health threats described above. EPA knows that chlorpyrifos is toxic, which explains why it began a phase-out of residential uses of the insecticide in the year 2000 (but not agricultural uses), specifically to protect children.⁵⁰ Yet EPA has left rural kids unprotected, even though ambient air levels of chlorpyrifos have been found to exceed health standards in agricultural areas, as discussed above. This sets up an unfortunate double standard. Urban and suburban kids are protected from the health harms of chlorpyrifos, but rural kids are not. In Hawai'i, GE crop and pesticide field tests often occur so close to populated areas that people in both rural areas and towns are at risk of drift exposure to chlorpyrifos and other toxic pesticides.

In a failed attempt to better protect human health and the environment from drift, EPA proposed improved pesticide labeling in 2001,⁵¹ but this proposal was never finalized and is not in effect. In an important sign of the times, public interest and farmworker groups formally challenged EPA for its inaction, and petitioned the Agency to establish regulations to protect children from pesticide drift. This petition, entitled "Pesticides in the Air – Kids at Risk," provides further information documenting the harms from this neglected health threat.⁵² The American Academy of Pediatrics has released an official policy statement based on its seminal literature review on this topic that makes specific recommendations to mitigate health threats from pesticides.^{53,54} Among the local policy approaches listed are the establishment of no-spray buffer zones around schools, as well as posting warning signs of pesticide use and restricting specific types of pesticides in schools. Medical scientists from federal and state governments, writing in the prestigious *Journal of the American Medical Association*, also support "adoption of pesticide spray buffer zones around schools."⁵⁵

As of 2004, at least seven states had established no-spray buffer zones around schools, hospitals, nursing homes, public parks and playgrounds.⁵⁶ More recent information shows that

⁴⁹ EPA's definition: "Spray or dust drift is the physical movement of pesticide droplets or particles through the air at the time of pesticide application or soon thereafter from the target site to any non-, or off-target site. Spray drift shall not include movement of pesticides to non- or off-target sites caused by erosion, migration, volatility, or windblown soil particles that occurs after application or application of fumigants unless specifically addressed on the product label with respect to drift control requirements." See http://www.epa.gov/PR_Notices/prdraft-spraydrift801.htm, last visited 7/14/13.

⁵⁰ Goldman, op. cit. p. 2

⁵¹ EPA, op. cit., p.3

⁵² Goldman, op. cit. p. 2

⁵³ Roberts, J. R. & C. J. Karr. (2012). "Pesticide Exposure in Children". Council on Environmental Health. *Pediatrics*, 130(6): e1757-e1763. Available at: <http://pediatrics.aappublications.org/content/130/6/e1757.full.html>

⁵⁴ AAP, op. cit., p.3

⁵⁵ Alarcon, op. cit., p. 2

⁵⁶ Owens and Feldman op. cit., p.1

nine states⁵⁷ and fourteen counties in California⁵⁸ have established similar no-spray zones. Since 2004, the number of states with notification requirements for pesticide applications near schools has increased from eight to eleven.^{59,60} These policy actions evince growing awareness of the serious health threats posed by pesticide drift.

The direct, indirect, and cumulative impacts on public health regarding the long-term intensive commercial agriculture and associated use of pesticides have not been properly or independently evaluated. Existing federal oversight of pesticide exposure does not take into account chronic exposure to local pesticide use. Moreover, information pertaining to the intensive use of pesticides in large-scale commercial agriculture within the State is not readily available to the public. Thus, the public is unable to evaluate the full extent of negative impacts accruing to the residents and environment of Hawai'i. **The people of Hawai'i have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture are unacceptable, and take action to reduce and prevent the potential negative impacts of such use.**

Thank you for this opportunity to provide testimony, and I am happy to provide further analysis or respond to any follow-up questions from the Committee.

Respectfully,



Ashley Lukens, PhD
Hawai'i Program Director
Center for Food Safety

⁵⁷ Hurley et al., op. cit., p.4

⁵⁸ CPR, op. cit., p. 1

⁵⁹ Owens and Feldman op. cit., p.1

⁶⁰ Hurley et al., op. cit., p.4



46-063 Emepela Pl. #U101 Kaneohe, HI 96744 · (808) 679-7454 · Kris Coffield · Co-founder/Executive Director

**TESTIMONY FOR HOUSE BILL 1514, HOUSE DRAFT 1, RELATING TO
ENVIRONMENTAL PROTECTION**

**House Committee on Agriculture
Hon. Clift Tsuji, Chair
Hon. Richard H.K. Onishi, Vice Chair**

**Thursday, February 19, 2015, 8:30 AM
State Capitol, Conference Room 312**

Honorable Chair Tsuji and committee members:

I am Kris Coffield, representing IMUAlliance, a nonpartisan political advocacy organization that currently boasts over 300 local members. On behalf of our members, we offer this testimony in support of House Bill 1514, House Draft 1, relating to environmental protection.

In the islands, pesticide misuse poses major health risks. According to an investigation conducted last year by the *Cascadia Times*, pesticide application by four large agrichemical companies on Kaua'i—Syngenta, BASF Plant Science, DuPont Pioneer, and Dow AgroSciences—is ten times the national average. In their report, Cascadia found that a number of restricted use pesticides were overused, including chlorpyrifos, atrazine, and paraquat. A study published in the medical journal *The Lancet Neurology*, last March, found that the neurotoxin chlorpyrifos led to developmental disabilities in children. Similarly, atrazine and paraquat are banned in the European Union. Atrazine is known to contaminate groundwater supplies, while paraquat has been linked to the onset of Parkinson's disease. Yet, both herbicides remain widely popular in the United States, where the Environmental Protection Agency has declared with “reasonably certainly” that neither carry a significant risk of harm.

Pesticide abuse is not limited to the outer islands. On O'ahu, anti-trafficking advocates have provided services to cancer-stricken sprayers of restricted use pesticides, some of whom have are also victims of labor trafficking. Not only were clients provided with little to no information about the health risks of the pesticides placed in their hands, they were not given equipment to protect themselves from harm. To protect against pesticide drift impacting sensitive educational areas and making children ill—as happened in 2007 at Kahuku High and Intermediate, in which a dozen students fell ill when a nearby sod farmer ignored windy weather while applying pesticides, and in 2008 in Waimea on Kaua'i, where dozens of students got sick

after farmers applied pesticide on a nearby seed corn plot—it is incumbent upon lawmakers to pass legislation establishing buffer zones around schools from which the application of pesticides is restricted.

Mahalo for the opportunity to testify in support of this bill.

Sincerely,
Kris Coffield
Executive Director
IMUAlliance



HAWAII PEST CONTROL ASSOCIATION

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Telephone (808) 533-6404 • Fax (808) 533-2739

February 19, 2015

Testimony To: House Committee on Agriculture
Representative Clift Tsuji, Chair

Presented By: Tim Lyons, CAE
Executive Director

Subject: H.B. 1514, HD 1 - RELATING TO ENVIRONMENTAL PROTECTION

Chair Tsuji and Members of the Committee:

I am Tim Lyons, Executive Director of the Hawaii Pest Control Association, an association composed of the companies throughout the State that practice pest control prevention procedures to control structural pests including termites.

We are appreciative of the fact that the definitions in this bill, as it relates to "outdoor application" specifically excludes the types of pesticide applications that we make. Plus, we think our thousands of customers and the schools are also appreciative since UH pegs termite damage to schools at \$241 million, annually.

We are however, somewhat concerned in that the exclusion appears in the definitions and in the meantime the bill goes on to talk about mandatory disclosures, school grounds, notification

for any pesticide applications and others and we would prefer to see much clearer exclusionary language. We appreciate the separate subsection that has been added but believe it needs to be clarified as follows:

"Subsection 149A-J Structural or termite application of pesticides.

Nothing in this part shall [be construed] apply to indoor applications of pesticides or to structural or termite applications are applied in or outside of a building or enclosed structure."

We understand the general concern that people are having with the pesticide issue however, we think it important to note that structural pest control provides applications that have curbed malaria, asthma, millions of dollars in termite damage and other general health and safety issues including bed bugs, centipedes and rodent exposure. We would like to thank this Committee for that recognition. Structural pest control is a practice that derives far more benefits than harm. We hope you can entertain our amendment.

Thank you.



**House Bill No. 1514
The North Shore Outdoor Circle Board strongly Supports HB 1514**

Chairperson and Members of the Committee:

We are writing in strong support of HB 1514. The protection of the health of our environment and the community at large is of great concern to our membership.

This bill will help protect our communities and the environment.

It creates common sense buffer zones and wind speed restrictions. It requires the notification and disclosure requirements for restricted use outdoor pesticide applications near schools, childcare facilities and nursing homes.

The potential for pesticide drift along with the contamination of our earth, air and water is a rapidly growing and dangerous problem.

This bill also requires that Restricted-Use Pesticides users disclose the pesticides they are spraying, in addition to notifying the surrounding communities who could be potentially affected by pesticide drift.

The protection of our natural resources are of paramount concern to us. Please vote to support this HB 1514. We feel they are common sense and necessary added layers of protection.

Thank you for the opportunity to provide testimony.

American Academy of Pediatrics

DEDICATED TO THE HEALTH OF ALL CHILDREN™



Hawaii Chapter

AAP - Hawaii Chapter

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Honolulu, HI 96821

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Sylvia R. Pager, MD, representing the American Academy of Pediatrics, Hawaii Chapter, presented the following testimony the morning of February 5th to the Hawaii House Committee on Energy and Environmental Protection.

Dr. Pager passed away on Sunday, February 8th following a severe stroke that occurred just after she testified at the state Legislature on Thursday.

To honor Dr. Pager's long-standing service and advocacy on behalf of Hawaii's pregnant women, breast-feeding mothers, and young children, the American Academy of Pediatrics, Hawaii Chapter will submit excerpts of her testimony for HB1514 to committee hearings on every bill related to disclosure, notification, and buffer zones of toxic, restricted use pesticides and to our concern about pesticide exposure that science demonstrates negatively impacts the health and well-being of Hawaii's keiki.

Mahalo for the opportunity to honor Dr. Pager in this way, ensuring the voice of the American Academy of Pediatrics, Hawaii Chapter continues to be heard throughout this legislative session.

Aloha,

R. Michael Hamilton, MD, MS, FAAP

Committee on Agriculture

Representative Clift Tsuji, Chair

Representative Richard H.K. Ohishi, Vice Chair

Thursday, February 19, 2015

8:30am, Conference Room 312

Sylvia R. Pager, MD, MS, FAAP, FABM, IBCLC
Pediatrics Breastfeeding Medicine
Assoc. Clin. Prof., Dept. of Pediatrics
JABSOM, University of Hawaii
AAP Hawaii Chapter Breastfeeding Coordinator

TESTIMONY IN STRONG SUPPORT OF HB1514 HD1 – RELATING TO ENVIRONMENTAL PROTECTION

Aloha Kakou, Members of the Committee on Energy and Environmental Protection,

My name is Dr. Sylvia Pager and as a practicing pediatrician for over 38 years, I am writing to urge your strong support of HB1514 - Relating to Environmental Protection. This bill requires that the state to protect keiki and kupuna health by requiring disclosure, notification, and buffer zones of toxic restricted use pesticides around schools and nursing homes.

This bill protects our communities who could be potentially impacted by pesticide drift by requiring that restricted-use pesticide users disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift. **Such regulations are in line with the regulations of 31 other states that understand it is vital for states to protect children and sensitive populations from the toxic impacts of pesticide use by regulating pesticide use on or around schools.**

It is critical that the state take action to reduce childhood pesticide exposure because toxic exposure to pesticides during fetal,¹ neonatal,² and infant life can disrupt critical developmental processes.³ Early life pesticide

¹ Rull RP, Gunier R, Von Behren J, Hertz A, Crouse V, Buffler PA, and Reynolds P. 2009. Residential Proximity to Agricultural Pesticide Applications and Childhood Acute Lymphoblastic Leukemia. *Environmental Research*, 109(7): 891-899.

² Chevrier C, Limon G, Monfort C, Rouget F, Garlantezec R, Petit C, Durand G, and Cordier A. 2011. Urinary Biomarkers of Prenatal Atrazine Exposure and Adverse Birth Outcomes in the PELAGIE Birth Cohort. *Environmental Health Perspectives*, 119(7): 1034-1041.

³ Shelton, JF et al. 2014. Neurodevelopmental Disorders and Prenatal Residential Proximity to Agricultural Pesticides: The CHARGE Study. *Environmental Health Perspective*, 122(10): 1103-1110.

exposure has been linked to long-term health effects including cancer,⁴ decreased cognitive function,^{5,6,7} behavior problems,^{8,9} birth defects and other adverse birth outcomes,^{10,11} and asthma.¹²

The American Academy of Pediatrics (AAP) recently published a major report entitled “**Pesticide Exposure in Children**” that comprehensively reviewed 195 medical studies on the subject (see Roberts and Karr 2012). Among other impacts, their chief concerns were as follows:

- 1) **Childhood cancers**, especially leukemia and brain tumors;
- 2) **Neurobehavioral and cognitive deficits**, such as reduced IQ and attention deficit/hyperactivity disorder;
- 3) **Adverse birth outcomes**, including preterm birth, low birth weight, and congenital anomalies; and
- 4) **Asthma**.

We briefly discuss each of these impacts below, with reference to the AAP’s comprehensive review.

Childhood cancers:

Five of six recent case-control studies found a statistically significant relationship between pesticide exposure and leukemia (see Roberts and Karr 2012, p. e1773-e1774). Two of the studies had the most detailed exposure assessment conducted to date, and found increasing risk with rising exposure, a strong indication that the observed associations are real. Maternal exposure to pesticides between the periods of preconception through pregnancy was the primary risk factor. Maternal use of either herbicides or insecticides was associated with nearly double the risk of childhood leukemia (Infante-Rivard et al.

⁴ Infante-Rivard C, Labuda D, Krajinovic M, Sinnett D. 1999. Risk of childhood leukemia associated with exposure to pesticides and with gene polymorphisms. *Epidemiology* 10(5): 481-487.

⁵ Rauh V, Arunajadai S, Horton M, et al. 2011. Seven-year neurodevelopmental scores and prenatal exposure to chlorpyrifos, a common agricultural pesticide. *Environ Health Perspect.* 119(8): 1196–1201.

⁶ Bouchard MF, Chevrier J, Harley KG, et al. 2011. Prenatal exposure to organophosphate pesticides and IQ in 7-year-old children. *Environ Health Perspect.* 119(8): 1189–1195.

⁷ Engel SM, Wetmur J, Chen J, et al. 2011. Prenatal exposure to organophosphates, paraoxonase 1, and cognitive development in childhood. *Environ Health Perspect.* 119(8): 1182–1188.

⁸ Roberts EM, English PB, Grether JK, Windham GC, Somberg L, and Wolf C. 2007. Maternal Residence near Agricultural Pesticide Applications and Autism Spectrum Disorder among Children in the California Central Valley. *Environmental Health Perspectives*, 115(10): 1482-1489.

⁹ Bouchard MF, Bellinger DC, Wright RO, Weisskopf MG. 2010. Attention-deficit/hyperactivity disorder and urinary metabolites of organophosphate pesticides. *Pediatrics.* 125(6). Available at: www.pediatrics.org/cgi/content/full/125/6/e1270.

¹⁰ Garry VF, Harkins ME, Erickson LL, Long-Simpson LK et al. 2002. Birth Defects, Season of Conception, and Sex of Children Born to Pesticide Applicators Living in the Red River Valley of Minnesota, USA. *Environmental Health Perspectives* 110 (Suppl. 3): 441-449.

¹¹ Garry VF, Harkins ME, Erickson LL, Long-Simpson LK et al. 2002. Birth Defects, Season of Conception, and Sex of Children Born to Pesticide Applicators Living in the Red River Valley of Minnesota, USA. *Environmental Health Perspectives* 110 (Suppl. 3): 441-449.

¹² Salam MT, Li YF, Langholz B, Gilliland FD; Children’s Health Study. 2004. Early-life environmental risk factors for asthma: findings from the Children’s Health Study. *Environ Health Perspect.* 112(6): 760–765.

1999). A meta-analysis provided additional support, also showing double the risk of leukemia in mothers exposed to pesticides while pregnant or while their children were young (Wigle et al. 2009). Monge et al. (2007) also found increased risk of leukemia in children borne to parents exposed occupationally to pesticides in Costa Rica.

Nine of the ten studies examining pesticides and brain cancer that have been conducted since 1998 demonstrated an **increased risk estimate of brain tumors with maternal and/or paternal exposure to pesticides**, though not all achieved statistical significance. One study, which involved 321 cases demonstrated that **maternal exposure to insecticides before or during pregnancy was associated with a 90% greater risk of astrocytoma** (a type of brain cancer) in the child, as well as a trend to higher risk in exposed fathers (van Wijngaarden et al. 2003).

Neurobehavioral and cognitive deficits:

Exposure to many pesticides causes acute neurological symptoms, such as headaches and dizziness. However, a spate of recent studies is building an irrefutable case that long-term, low-level exposure to organophosphate insecticides (OPs) in early life (particularly *in utero*) has profoundly negative impacts on children's neurological development.

The National Institutes of Health and the EPA are sponsoring three large-scale studies into this subject, two in urban settings and one in a rural community (see Roberts and Karr 2012, e1775-e1776). Women were enrolled during pregnancy, and their exposure to OPs carefully measured. Their children were tested for neurological development in the following years. The studies demonstrate that at two to four years of age, higher prenatal OP exposure was associated with "significantly poorer mental development," "pervasive developmental disorder," and in one group "increased scores for attention-deficit/hyperactivity disorder" (Eskenazi et al. 2007, Rauh et al. 2006). At seven years of age, kids more highly exposed to OPs in the womb had lower IQ scores in all three groups (Rauh et al. 2011, Bouchard et al. 2011, Engel et al 2011). Bouchard et al (2010) similarly found increased rates of attention-deficit/hyperactivity disorder in eight to 15-years olds whose urine had higher levels of OP breakdown products, a sign of greater exposure.

These findings are even more concerning when one considers the intensive use of chlorpyrifos in Hawai'i's seed corn operations, coupled with its propensity to drift. **Chlorpyrifos has been linked to lung cancer, colorectal cancer, and non-Hodgkin's lymphoma.** An examination of California's Pesticide Illness Surveillance Program shows that chlorpyrifos was among the most frequently cited culprits in drift-related pesticide illnesses over the past two decades (CA PISP 1992-2011). The US Geological Survey has found "toxic rainfall" containing excessive levels of chlorpyrifos (for aquatic life) in California (USGS 2003).

Records released by DuPont-Pioneer show the company sprays OPs on Kaua'i

frequently, once every four days (91 days/year). The OP insecticide chlorpyrifos is also one of the most heavily used RUPs on Kaua'i, and **according to the Kauai Good Neighbor Program, in the last 13 months 1,975lbs of chlorpyrifos has been used on Kauai**. Air sampling at Waimea school has consistently detected chlorpyrifos. Thus, based on these lines of evidence, there is sure reason to expect that chlorpyrifos drift is adversely affecting the health of residents.

Adverse birth outcomes

The American Academy of Pediatrics is also concerned about the possible role of pesticides in triggering adverse birth outcomes (see Roberts and Karr 2012, e1776-e1778). Two studies in Minnesota have revealed a **higher rate of birth defects in children fathered by male pesticide applicators in areas of the state where chlorophenoxy herbicides (e.g. 2,4-D) and fungicides are most heavily applied**. These studies also found a seasonal effect, with **children conceived in the spring, when herbicide use is heaviest, exhibiting the highest birth defect rates** (Garry et al. 1996, Garry et al. 2002). Six additional studies described by Roberts and Karr (2012) found higher risk ratios for birth defects in mothers exposed to pesticides, with three of them showing statistically significant effects. A study of expectant mothers carried out in New York demonstrated an association between exposure to chlorpyrifos and reduced birth weight and length (Perera et al. 2003). Wolff et al. (2007) also found reduced birth weight in infants born to mothers exposed to OPs during pregnancy, but only in those children with a mutation that reduces their ability to detoxify OPs. Another study found that *in utero* exposure to OPs was associated with reduced gestation time (Eskenazi et al. 2004). Prenatal atrazine exposure has been associated with suppression of fetal growth (Chevrier et al 2011) and **exposure to chlorophenoxy herbicides and certain other classes of herbicide, such as triazines (e.g. atrazine), with increased risk of spontaneous abortion** (Arbuckle et al. 1999, 2001).

Asthma

The AAP also considers asthma to be a major adverse health outcome of pesticide exposure (see Roberts and Karr 2012, e1779). Asthma is the most common, chronic noninfectious disease of childhood, and is estimated to affect 300 million people worldwide, causing a quarter of a million deaths each year (Strina et al. 2014). Asthma is characterized by intermittent breathing difficulty, including chest tightness, wheezing, cough and shortness of breath. There have been few studies of pesticides and asthma in children, but those conducted raise serious concerns. For instance, **exposure to either herbicides or insecticides in the first year of life was strongly linked to a diagnosis of asthma before the age of five** in a study carried out in southern California – an over four-fold higher risk from herbicides and more than two-fold greater risk from insecticide exposure (Salam et al 2004). Studies of adults provide similar evidence. **Farmers are at high risk of asthma and other respiratory diseases** (Hoppin 2002), and exposure to organophosphate and carbamate insecticides has been linked to asthma in Canadian farmers (Senthilselvan et al. 1992). Two studies in the U.S. have associated exposure to a number of pesticides with wheezing, one

of the major symptoms of asthma. Hoppin et al (2002) found a higher incidence of wheezing in farmers exposed to the herbicides atrazine, alachlor and paraquat, as well as the OP insecticides chlorpyrifos, parathion and malathion. **All of these pesticides are used heavily and frequently in Hawai'i.** These findings take on added weight when one considers the testimony of Kaua'i physicians that Westside residents are very frequently afflicted with symptoms of respiratory distress.

Children may be exposed to and harmed by pesticides even when they are exposed only at second hand. For example, farmworkers exposed to pesticides may accumulate residues on their skin and clothing, and thereby inadvertently expose their families (Thompson et al., 2003). Similarly, rural homes have much higher levels of pesticide residues in dust than non-rural residences (Simcox et al, 1995, 1999; Rull et al., 2009). These take-home pathways can contribute to children's exposure to pesticides in agricultural communities (Lu et al, 2000).

Health Harms Specifically Linked to Pesticide Drift

The medical studies discussed above address the harms of pesticides from a variety of exposure pathways: food, water, dermal contact, inhalation and/or drift. Below, we discuss studies that specifically address health outcomes where drift is the presumed exposure pathway.

A growing body of research supports the proposition that living near pesticide-sprayed fields increases the risks of a number of serious diseases, and exposure via pesticide drift is the only logical explanation. Many of these studies have been conducted in California, which has an extremely fine-grained pesticide reporting system that provides precise information on which pesticides are sprayed near any given community, when, and in what amounts.

Epidemiological studies based on this information have made some troubling findings. For instance, Costello et al. (2009) have found that **exposure to paraquat and maneb within 500 meters of the home increased the risk of Parkinson's disease by 75%, with those under 60 years of age at higher risk.**

Autism

Roberts et al. (2007) conducted an analysis, which found that **expectant mothers residing within 500 meters of fields sprayed with organochlorine insecticides (e.g. dicofol and endosulfan) during early pregnancy had a six-fold higher risk of bearing children with autism spectrum disorder than mothers not living near such fields; this ASD risk declined with increasing distance from field sites and increased with rising application amounts.**

Shelton et al. (2014) found a 60% increased risk of autism spectrum disorder (ASD) in children of mothers who lived near fields sprayed with organophosphate insecticides at some point during their pregnancies, with much higher risk when exposure occurred in the second trimester of their pregnancies. Similarly increased risk – for both ASD and developmental delay – was found for children

of mothers near fields treated with pyrethroid insecticides just prior to conception or during their third trimester. Proximity to carbamate-treated fields was also linked to higher risk of developmental delay.

Several of the insecticides at issue in this California study are used on Kaua'i and likely on other islands as well: one of the three organophosphates (chlorpyrifos); four of the five pyrethroid insecticides – permethrin, lambda-cyhalothrin, cypermethrin and esfenvalerate; and one of the two carbamates (methomyl).

With at least 26 schools in Hawaii located within one mile of large agricultural companies, this is of grave concern.

The medical evidence is staggering and highly unnerving. As a doctor, it is my obligation to tend to the health of my community. I take this responsibility with great seriousness. I respectfully urge the committee members to take their role as policymakers with the same level of seriousness, and pass this measure to protect our keiki.

Thank you for this opportunity to provide testimony, I am happy to provide further analysis or respond to follow-up questions from the Committee.

Sincerely,

Sylvia R. Pager, MD

February 17, 2015

Rep. Clift Tsuji, Chair
House Committee on Agriculture
State Capitol, Conference Room 312
415 South Beretania Street
Honolulu, Hawaii 96813



RE: SUPPORT - HB 1514 HD1 (C. Lee) Pesticide buffer zones for sensitive areas

Dear Chair Tsuji and Committee Members,

On behalf of Pesticide Action Network North America, and our 8,500 members in Hawai'i, we wish to restate our support for HB 1514 as amended and thank you for considering this commonsense measure to protect children from hazardous pesticides. For the past thirty years, PAN has worked on behalf of the most vulnerable members of Hawaii's food and farming system, from children and farmworkers, to small-scale farmers and those living at field's edge. And, on behalf of these constituencies, we urge you to pass a bill that would create greater protections for vulnerable residents of the islands, and greater transparency so that they can make informed decisions in their own lives.

Children today are sicker than they were a decade ago, confronting challenges their grandparents were unlike to face. Public health experts warn us of a "silent epidemic" of learning disabilities and disorders, a 17% increase in just the past fifteen years. And a growing body of scientific evidence points to pesticides – even in very small amounts – as a significant contributor to impacts on children's health and intelligence. Quickly growing bodies take in more of everything. Relative to their size, kids eat, breathe and drink much more than adults and this can also mean pesticides.

Many pesticides, including those already used on Hawai'i, are increasingly linked to cancers, hormone disruption, asthma and developmental delays. The pesticide chlorpyrifos exemplifies these concerns. Independent research from several institutions, including University of California - Berkeley and Columbia University, found that a mother's exposure to the pesticide during pregnancy is linked to lower IQ level and weaker working memory for her child, and increased likelihood of developing ADHD and autism.

Children are exposed to pesticides where they live, learn and play. Pesticides regularly end up in water through runoff and percolate through groundwater, end up as residue on food or can be tracked in on parents' clothes, can be carried on dust or drift through the air – and remain there – sometimes many days after the initial application. The Environmental Protection Agency admits as much (1996): "...we recognize that some degree of drift of spray particles will occur from nearly all applications."

It's no surprise then that hazardous pesticides are being found in close proximity to the state's children. And in some cases have directly led to hospital visits. Chlorpyrifos (product name: Lorsban) has been detected in the air near schools, including monitors operated by the University of Hawaii.

The federal government has failed to address the problem, failing to implement protections for children under the mandate of the 1996 Food Quality Protection Act. PAN and numerous children's health, farmworker and environmental organizations have brought suit against the Environmental Protection Agency to ensure implantation of that law, especially addressing issues of pesticide drift, but the agency has abdicated that responsibility and the struggle continues.

Advancing Alternatives to Pesticides Worldwide

Kaua'i County Council took some steps to address this problem and create better disclosure and protections, but the outcome of that law remains in jeopardy as the case continues to wind its way through the courts, due to perceived lack of clarity from the legislature.

The legislature can remedy this confusion and create a clear set of basic protections and information, including components already identified in the bill:

- **Meaningful disclosure** – Many states across the country already provide different types of disclosure (e.g., Figure 1), from sign postings, to written and mailed notification, as well as public registries. Given the proximity of children to hazardous pesticide use, the state should require applicators to take every reasonable step to give adequate notice so that parents, teachers and health professionals can take necessary steps to protect themselves and those they care for.
- **Buffer zones for sensitive areas** – Many pesticides can't safely be used in close proximity to vulnerable populations given their likelihood to drift. Like other states and counties (e.g., Figure 2) across the country, Hawaii should institute minimum no-spray buffer zones around vulnerable populations. Modeling endorsed by US EPA demonstrates that significant buffers can greatly reduce the risk of exposure.
- **Pesticide use reporting** – Reporting after the fact is important both for addressing worst-case scenario of pesticide drift incidents and for future planning purposes. The attached diagram shows how California Department of Public Health officials have mapped out heavy pesticide use near schools in one community to understand any potential risks and to inform better policymaking (e.g., Figure 3).

The above components are critical to the success of a law that protects vulnerable populations from continued heavy pesticide use in the state's industrial agricultural operations.

Rep. Samuel San Hoy Lee who worked to clean up drinking water contamination from pineapple fields in Mililani summed it up accurately: *"We approached the problem within the perspective of our times. We helped government agencies realize that the standards for pesticide use accepted a generation ago were simply not accepted today."*

We have an opportunity to recognize the unacceptable risk facing our *keiki* and identify the opportunity to continue to support prosperous farming in Hawai'i. By passing this bill we can help create a lasting legacy of health across the islands.

I respectfully ask for your support of HB 1514 as amended. And please feel free to contact me with any questions at ptowers@panna.org or (808) 206-8868.

Sincerely,



Paul S. Towers
Organizing & Media Director

Fig 1: Types of disclosure

Type	States, for example	Details
Pesticide use registry	California	County officials manage pesticide use, compile and share with state for public website and database.
Neighbor notification	Maine	Anyone can request to be notified of what is being applied within 500 feet.
Posted notification	Connecticut	Posted notification for abutting neighbors.

Fig 2: Pesticide buffer zones

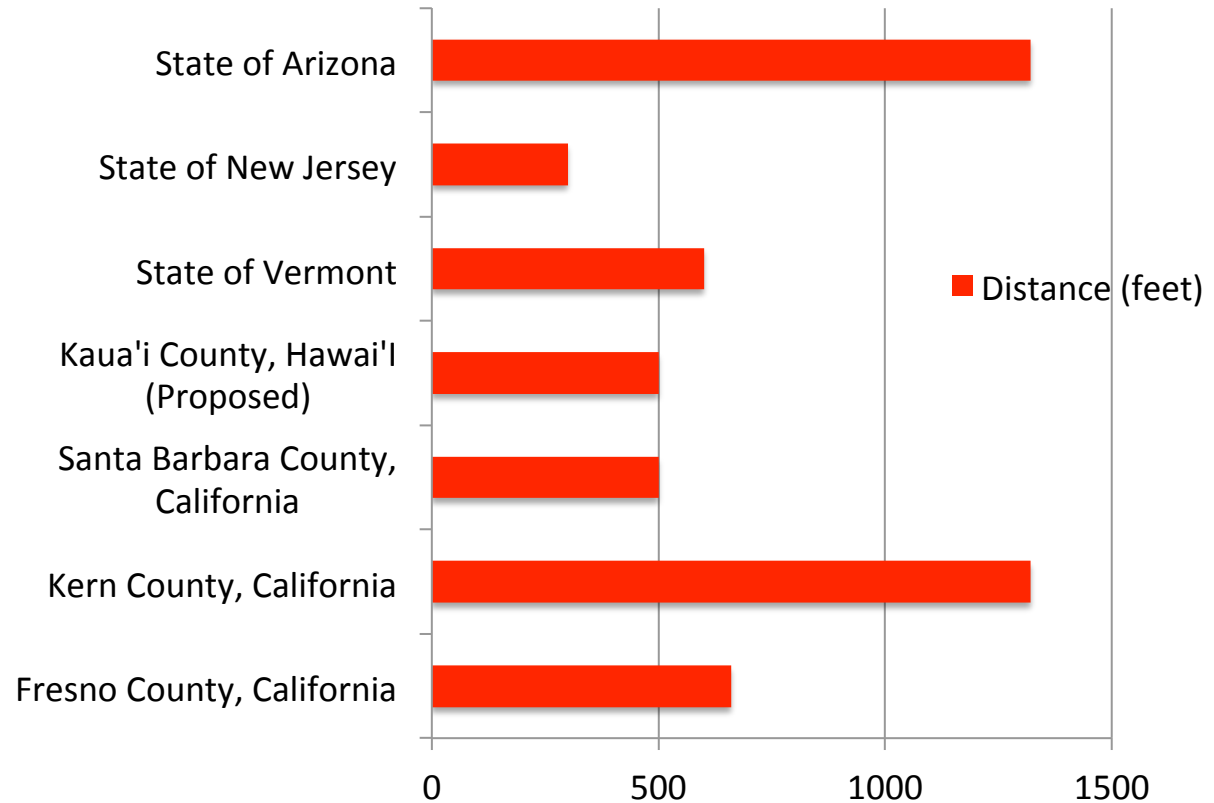
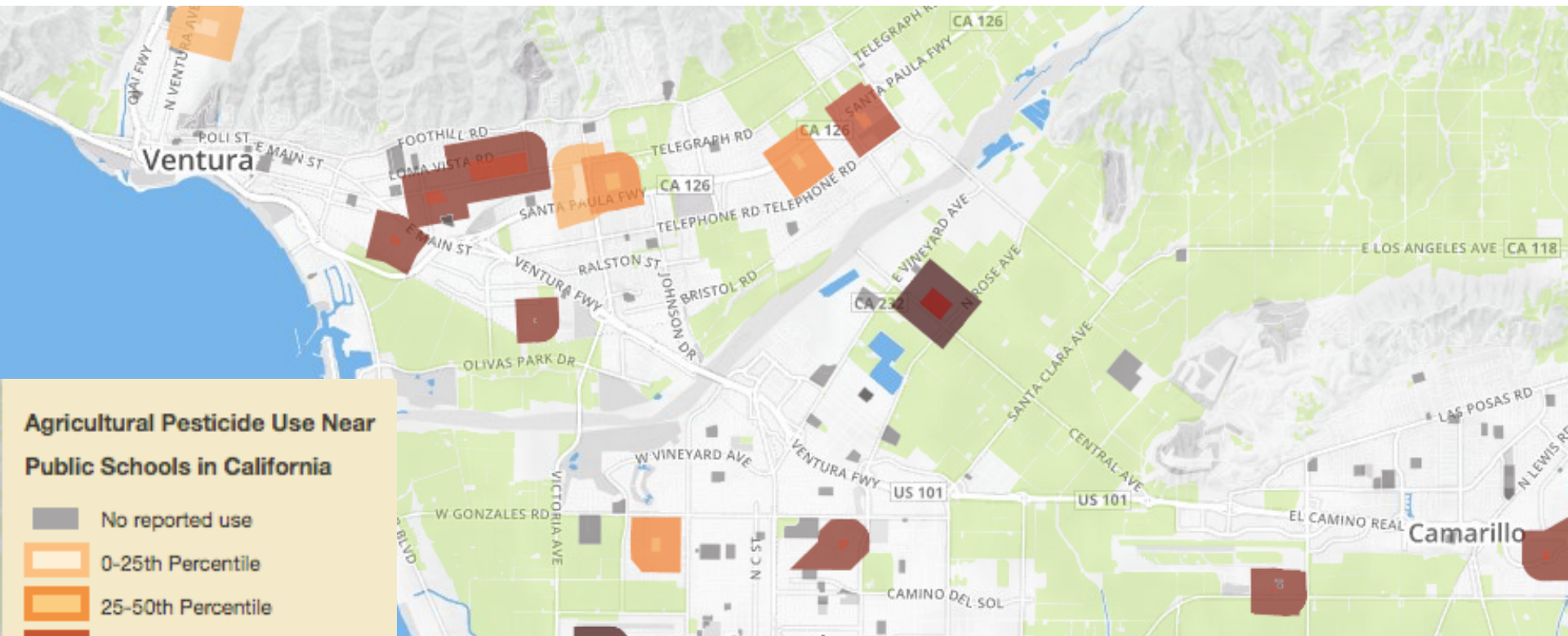


Fig 3. Pesticide use reporting



Agricultural Pesticide Use Near Public Schools in California

- No reported use
- 0-25th Percentile
- 25-50th Percentile
- 50-75th Percentile
- 75-95th Percentile
- 95+ Percentile
- Agricultural Land

Source: California DPH

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 8:58 AM
To: AGRtestimony
Cc: JeffreyUDV@aol.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Jeffrey Bronfman	Haiku Aina Permaculture Initiative	Support	No

Comments: I STRONGLY URGE support of this bill. Hawaii, yet again, has sadly become a place whose favorable environmental conditions are being exploited by industries with little regard for the health of our communities and most vulnerable populations. This bill makes good sense, is a reasonable approach, and will serve the public good. Please pass this measure and Mahalo for doing so.

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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Planned Parenthood of Hawaii

To: Hawaii State House of Representatives Committee on Agriculture
Hearing Date/Time: Thursday, February 19, 2015, 8:30 a.m.
Place: Hawaii State Capitol, Rm. 312
Re: Testimony of Planned Parenthood of Hawaii in support of H.B. 1514, HD1

Dear Chair Tsuji and the Committee on Agriculture,

Planned Parenthood of Hawaii writes in support of H.B. 1514, HD1, which seeks to establish disclosure requirements for outdoor applications of pesticides in proximity to schools, childcare facilities and certain commercial agricultural entities.

Planned Parenthood of Hawaii is dedicated to providing Hawaii's people with high quality, affordable and confidential sexual and reproductive health care, education, and advocacy. To that end, we support increased pesticide regulation because it will help to help to mitigate the impact of pesticides on reproductive health.

As pesticide use is widespread across Hawaii, we must be vigilant in preventing harmful exposures before they occur and ensure that pesticides are used in a safe manner and at safe levels. Please note that, in addition to children and the elderly, women of reproductive age, both male and female farmworkers and those who work with pesticides are particularly vulnerable to excessive exposure. According to a recent study from the University of California, San Francisco, pesticide exposure can harm the reproductive health and function of adult females during all developmental stages and has been associated with male sterility, spontaneous abortion, diminished fetal growth and survival and childhood and adult cancers.¹ Increasing pesticide regulation will serve to reduce the risks associated with pesticide exposure and promote the overall public health of our communities.

Thank you for this opportunity to testify in support.

Sincerely,

Laurie Field
Director of Public Affairs & Government Relations

¹ See, e.g., University of California, San Francisco Program on Reproductive Health and the Environment, *Pesticides Matter, A Primer for Reproductive Health Physicians* (Dec., 2011), available at http://prhe.ucsf.edu/prhe/pdfs/pesticidesmatter_whitepaper.pdf.

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 12:55 PM
To: AGRtestimony
Cc: scoleman@surfrider.org
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Stuart Coleman	Surfrider Foundation	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 4:21 AM
To: AGRtestimony
Cc: charobrien@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Charlotte OBrien	Carbon Drawdown Solutions, Inc.	Comments Only	No

Comments: It is in my opinion and the opinion of my company that it is immoral to subject our children to the onslaught of unknown chemical cocktails for which we have no proof of potential harm to the most precious and vulnerable group in our society. Please please pass this bill to protect our children and out future! Sincerely, Charlotte OBrien CEO, Carbon Drawdown Solutions, Inc.

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My name is Katie Johnson. I am a mental health provider and I'm writing to you today to ask you to please support HB 1514. I have lived on Kauai for thirteen years. I have a Masters of Social Work from the University of Washington and I am a Board Certified Diplomate in Clinical Social Work. I am also a therapist in private practice and I am submitting testimony today on behalf of Kauai's mental health providers who strongly support HB 1514. We are very concerned about the 18 tons of RUP sprayed on our small island and the devastating health implications it can have for our children.

While we are also very concerned about the detrimental physical health effects, as mental health providers, we will focus our testimony today solely on the detrimental mental health effects linked to pesticide exposure.

Restricted Use Pesticides are dangerous neurotoxins that have been proven to harm the structure and functioning of the brain and the nervous system creating irreparable, lifelong damage. They contribute to the rising rates of ADHD, autism, developmental delays, behavioral disorders, learning disabilities and declines in IQ. A multitude of peer reviewed studies support these findings. We would like to highlight a small sample of the research for you.

- Virginia Rauh, a researcher at Columbia University, conducted a study looking at the brain imagery of seven year old children. She found that the MRI scans of children that were exposed to chlorpyrifos prenatally showed that the architecture of their brains had been fundamentally altered. The areas of the brain that were affected were those that control memory, language, emotions and impulse control.
- The National Academy of Sciences now estimates that about one third of all neurobehavioral disorders (such as autism and ADHD) are caused either directly by pesticides and other chemicals or by the interaction between environmental exposure and genetics.
- Researchers at the CDC have found that children with higher levels of organophosphate breakdown products in their urine were twice as likely to be diagnosed with ADHD as those with no metabolites found.
- In 2012, a group of researchers led by Dr. Philip Landrigan of Mt. Sinai Medical Center released a list of the top ten types of chemicals most likely to be linked to the development of autism. Organophosphate pesticides, organochlorine pesticides and endocrine disruptors are all on that list.
- Recent studies examining the links between pesticide exposure and autism suggest that prenatal exposures are particularly damaging. Studies out of California, New York, and Minnesota all concur that when mothers are exposed to pesticides during pregnancy, the risk of autism increases sharply.
- Additionally, a study in California's Central Valley found that children whose mothers lived within 500 feet of fields being sprayed were SIX times more likely to be on the autism spectrum.
- Three cohort studies released in 2011 document cognitive impairment caused by exposure to pesticides in the womb. The studies concluded that pesticide exposure is responsible for a seven point reduction in IQ, reduced working memory and reduced cognitive development in children.
- The societal implications of reduced cognitive abilities are staggering. According to Dr. Ted Schettler, Director of the Science and Environmental Health Network: "A shift of five IQ points in the average IQ of a population of 260 million increases the number of functionally disabled by over 50 percent and decreases the number of gifted by over 50 percent."

● Additionally, Dr. David Bellinger, a professor in the Dept. of Environmental Health at Harvard, concludes that overall, exposure to pesticides may be responsible for lowering U.S. children's IQ level by 17 million points.

As mental health providers, this data is of great concern to us.

In light of the vast amount of research that demonstrates the negative health and mental health effects of pesticide exposure and the American Association of Pediatrics' recommendation to limit children's exposure to pesticides, we humbly request that you support HB 1514. Pesticide disclosure and buffer zones around our schools and sensitive areas is a small, yet critical, first step to take to protect Hawaii's keiki.

Sincerely,

Katie Johnson, MSW, LCSW, DCSW

Tanya Evslin Gamby, PhD, Clinical Psychologist

Dennis Mendonca, MA, MFT

Donna Charon, MFT

Carol Conley, MA, LMFT

Patricia Hempey, LLB, MIP, MFT

Greta Kugler, PsyD, Clinical Psychologist

Mary Ann Hill, PhD, Clinical Psychologist

Sandy Salmers, MSW, LCSW

Rose Marie Scherschel, ACSW, LCSW

Reenie Christensen, LCSW

Karin Stoll, MSW

Kalena Serraon, MSW

Mariana Ferrari-Elzaurdia, MA, MFT

Dr. Lucy Miller

Tim Bynum, MA MFT

Jennifer Stevens, MA, MFT

Chia Granda, MD

Joan Luzney, MA, MFT

Fran Tyson-Marchino, Ed.S., MFT, CSAC, RPT

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 10:10 AM
To: AGRtestimony
Cc: hoonanea@aol.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Regina Gregory	EcoTipping Points	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 10:17 AM
To: AGRtestimony
Cc: juan@islandbreath.org
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Juan Wilson	IslandBreath.org	Support	No

Comments: This issue is already a life and death issue on Kauai. I live in Hanapepe Valley and my wife is a speech pathologist at Eleele School. She has consulted and done therapy at all the south and westside schools on the island. Much of her caseload is treating children with physical and mental handicaps as well as behavioral disorders like autism spectrum. As GMO fields soaked in experimental pesticide cocktails have intensified activity and spread across the south and west side of Kauai it seems special services for elementary students have risen like an epidemic. When I was a boy growing up in the suburbs of NYC it was considered okay to spray children playing on public beaches with DDT to keep the mosquitoes off us. The chemical companies assured everyone it was safe. We need buffer zones between these restricted use pesticides and our children.

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LBD COFFEE, LLC

To: The Honorable Clift Tsuji, Chair
and Members of the House Committee on Agriculture

Date: Thursday, February 19, 2015
Time: 8:30 a.m.
Place: Conference Room 312, State Capitol

From: Daniel Cathey
for LBD Coffee, LLC

Re: HB1514, HD1, Relating to Environmental Protection

Dear Representative Tsuji and Members of the House Committee on Agriculture,

As a Hawaii licensed restricted use pesticides applicator, and credentialed agronomist for LBD Coffee, LLC I do not support the findings of the Legislature, and we **oppose** HB1514 H.D.1.

I contend that restricted use pesticides are adequately regulated by the Hawaii Department of Agriculture (HDOA) and the Environmental Protection Agency (EPA). Several extant regulatory mechanisms (e.g., licensure of applicators, active ingredient limitations per unit area, dosage limits, and constraints on environmental conditions) render this bill redundant.

I recognize the importance of sustainable agricultural practices that protect human and environmental health. Currently, four out of five of our farms are certified organic; however, we recognize how the restrictions in this bill would thrust an undue burden upon Hawaiian agriculturalists while conferring no additional environmental and human health protections. Pesticide labels contain directions for use that must be followed as per federal and state laws. When the aforementioned directions for use are strictly adhered to, the risk to environmental and human health is reduced to statistical insignificance.

On behalf of those that responsibly apply restricted use pesticides, we thank you for your careful consideration on this important bill. Rejecting this bill would protect agriculturalists from superfluous regulations while allowing the HDOA and EPA to adequately protect human and environmental health.

Respectfully submitted,

Daniel Cathey, BS, MS(c)
for LBD Coffee

LBD Coffee, LLC
6200 Kawaihau Road, Unit B, Kapaa, HI 96746 USA
Ph: (808) 822-4495 Fax: (808) 822-9731
lbdcoffee.com

MONSANTO CO.
94-520 KUNIA ROAD
KUNIA, HAWAII 96759

TESTIMONY BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

FEBRUARY 19, 2015

TESTIMONY ON
HB 1514
RELATING TO ENVIRONMENTAL PROTECTION

Chair Tsuji and committee members:

My name is Dr. John Purcell, Vice President, Business and Technology Lead Monsanto Hawaii.

Thank you for allowing us to comment on HB 1514.

Safety is Monsanto's number one priority - safety for our employees, safety for our communities and safety for the environment. Monsanto is also committed to being a responsible steward of the land. We utilize soil and water conservation practices in all of our farm operations. Many farmers, including Monsanto, use an integrated pest management program that takes advantage of all appropriate pest management options including the targeted use of pesticides that includes the right rate at the right time.

We know the public has questions regarding pesticide use, and we want to engage in a dialogue. However, good public policy must and should be based on facts. We encourage the committee to examine the basic facts on pesticide use in Hawaii to assess what risk these uses might present to the population and the environment. A basic tenet of risk assessment is that **RISK = HAZARD X EXPOSURE** and we would hope the committee will use this principle in their considerations.

From a HAZARD standpoint, the Hawaii State Department of Agriculture has the data on purchases of Restricted Use Pesticides (RUPs). Any legislation on buffer zones or reporting requirements has to start with the actual facts and figures that define what sectors employ RUPs and how much they use.

From an EXPOSURE standpoint, agricultural lands are primarily located in areas of the state with low population densities. This is abundantly clear, for example, when we look at the locations of Monsanto's farms overlaid onto population density maps of the state. Our lands are also privately operated and are accessible to the public only by permission and only for limited purposes such as tours. Also from an EXPOSURE standpoint, Monsanto has extensive pesticide training programs, detailed spray protocols and precision application equipment and these factors also all limit EXPOSURE to the general public.

We encourage you to keep the basic principles of risk assessment in mind as you consider legislation and to make facts the cornerstone of any such legislation. This can be an excellent

opportunity to not only understand the actual risks posed by the use of pesticides, but to also educate the public on those risks and the value pesticides bring to our communities. The citizens of Hawaii deserve this. We respectfully oppose this measure.

Thank you.

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 8:16 AM
To: AGRtestimony
Cc: susan@mulkernlandscaping.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Susan Shaheen Mulkern	Mulkern Landscaping & Nursery	Oppose	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 7:45 AM
To: AGRtestimony
Cc: dan.nellis@dole.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Daniel Nellis	Dole Food Co. Hawaii	Oppose	No

Comments: I am Dan Nellis, General Manager of Dole Food Co. Hawaii. Dole Hawaii is opposed to HB1514. Pesticide use in Hawaii is regulated by the state DoA and the federal EPA. Purchasers and users of restricted use pesticides must become certified for either the private applicator or commercial applicator license from SHDoA. This is a thorough process which results in educated farmers applying pesticides with utmost concern for public safety and worker safety. New restrictions with arbitrary designations of buffer zones will not result in better public health but will impact farmers ability to farm. More Dept. of Ag inspectors reviewing application practices under current regulations is the most effective way to insure safe use of pesticides. New regulations are not needed but more inspectors are. In Hawaii we have a right to farm, we also have a responsibility to farm safely. This is already being accomplished with current regulations and will be even more effective with better funding for Dept of Ag; not with unnecessary and over restrictive new laws like HB1514.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 11:02 PM
To: AGRtestimony
Cc: rob@molokaichamber.org
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Robert Stephenson	Molokai Chamber of Commerce	Oppose	No

Comments: Aloha Chair Tsuji and Committee Members, The Molokai Chamber of Commerce stands in opposition to this measure and respectfully requests that you hold it in committee. This measure is an attack on farmers and belittles the rich history and heritage of our Hawaii Agriculture Community. If the proponents of this measure are truly concerned about the safety of our neighbors, friends and families, then a comprehensive look should be taken at all pesticide usage and meaningful policy crafted based on sound and widely accepted scientific data. If we are to grow our agricultural sector in Hawaii then placing these types of meaningless restrictions on our farmers is sure to have the opposite effect. Thank you for your time and consideration. Mahalo, Rob Stephenson President Molokai Chamber of Commerce

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 7:50 AM
To: AGRtestimony
Cc: carol.k.reimann@monsanto.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Carol Reimann	Monsanto	Oppose	No

Comments: Aloha Chair Tsuji and Committee Members, This bill unfairly targets agriculture, therefore I strongly oppose it. I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy. Mahalo, Carol Reimann

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Hawaii Macadamia Nut Association
P.O. Box 541
Papaikou, Hawaii 96781

Written testimony for House Committee on Agriculture

HEARING: February 19, 2015, 8:30 A.M..

To: Chairs, Representative Lee

From: John C. Cross, President, Hawaii Macadamia Nut Association

RE: HB 1514, Regarding Pesticides, Disclosures, Buffer Zones, Restrictions and Penalties

Dear Chair Lee and Committee Members, My name is John C. Cross I am the current President of the Hawaii Macadamia Nut Association and represent the interests of the Board and membership of the Association. The HMNA represents over 100 grower and processor members. All of the major growers and every processor in the State are active in our organization. Our members cultivate some 18,000 acres of trees in the State and harvest over 50 million pounds of nuts per year. The farm gate value for the crop exceeds \$35 million each year. Our processor members produce over 15 million pounds of Kernal having a wholesale value of over \$135 million. Macadamia kernel is further valued by coating in Chocolates, flavored with salt or unique spices, part of an Energy bar, or made into Oil or Butters. The Hawaiian Macadamia Nut (products) is almost synonymous with Hawaii, Kona Coffee, and Aloha. Visitors to the islands return home with boxes of macadamia nut products and the memories of Hawaii.

At our most recent Board of Directors meeting the group unanimously passed its **STRONG OPPOSITION** to HB 1514, which would emplace vast and restrictive rules on the application of pesticides to our orchard crop lands.

The chemicals used in our industry are well regulated by the Hawaii Dept. of Agriculture and have strict usage rules on their labels as approved by the United State Environmental Protection Agency. The restrictive language and actions with HB 1514 appear to be based on “fear mongering” or “deceptive accusation” or just outright “agricultural terrorism”. We cannot understand why such restrictive laws are being proposed when our agricultural operations have never injured anyone or harmed the environment.

The bill uses terms like “Intensive use of pesticides”. This is simply not true. Pesticides are applied to crops and our orchards in the most judicious methods and are only applied to target

weeds and species. The language used in the bill implies rampant overuse of pesticides, which is not true and is misleading the public.

The issue of Buffer Zones is hugely overstated and would be extremely burdensome on our crops. We simply do not apply chemicals to anything other than our orchards and fields. Again the implication that buffer zones are needed implies that we are blasting these pesticides without regard. Again the public is being misled.

Section 149A-K part (c) allows any “injured citizen” to bring an action against a supposed violator of section of this bill. This opens up the courts to frivolous suits and claims by supposed “injured” parties. In this regard I could foresee some enviro-organic farmer activist groups blindly sueing simply trying to stop commercial agricultural operations that they “Don’t Like”.

HB 1514 is extremely onerous and wildly overbearing, please vote to Defer this bill indefinitely

Thank you for listening to my testimony. I am available to answer questions by phone, or e-mail. John@olsontrust.com, 808-987-4229



**Testimony to the House Committee on Agriculture
Thursday, February 19, 2015 at 8:30 A.M.
Conference Room 312, State Capitol**

RE: HOUSE BILL 1514 HD1 RELATING TO ENVIRONMENTAL PROTECTION

Chair Tsuji, Vice Chair Onishi, and Members of the Committee:

The Chamber of Commerce of Hawaii ("The Chamber") **opposes** HB 1514 HD1, which establishes disclosure requirements for outdoor applications of pesticides in proximity to schools, childcare facilities, and certain commercial entities. Also establishes reasonable pesticide buffer zones for sensitive areas and establishes penalties.

The Chamber is the largest business organization in Hawaii, representing about 1,000 businesses. Approximately 80% of our members are small businesses with less than 20 employees. As the "Voice of Business" in Hawaii, the organization works on behalf of members and the entire business community to improve the state's economic climate and to foster positive action on issues of common concern.

Pesticides in Hawaii are heavily scrutinized from a scientific perspective prior to being sold or used. Potential impacts on health and the environment are examined and strict federal and state laws are in place to mandate how each pesticide is used and also establishes notifications, worker protections, buffers, and recordkeeping that is required.

HB 1514 HD1 will make it more difficult to farm in Hawaii. We respectfully ask the committee to consider the ever increasing federal and state regulations and its impact on local growers and determine whether or not there is a real need for these restrictions.

Thank you for the opportunity to testify.

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 2:07 PM
To: AGRtestimony
Cc: HawaiiAgriculturalPartnerships@msn.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Hawaii's Agricultural Partnerships	4 Ag Hawaii ~ non profit 501 [c] [3]	Oppose	No

Comments: Hawaii's Ranchers & Farmers don't talk about helping the environment they do it everyday as they have been for generations. They were among the first environmentalists. Pesticide use is already regulated by the EPA and the Hawaii Dept of Agriculture, based on years of testing. Please oppose this anti agriculture proposal. Thank you for your time and consideration.

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LBD COFFEE, LLC

To: The Honorable Clift Tsuji, Chair
and Members of the House Committee on Agriculture

Date: Thursday, February 19, 2015
Time: 8:30 a.m.
Place: Conference Room 312, State Capitol

From: Les Drent
for LBD Coffee, LLC

Re: HB1514, HD1, Relating to Environmental Protection

Dear Representative Tsuji and Members of the House Committee on Agriculture,

LBD Coffee, LLC, a value added agricultural producer in Hawaii, **OPPOSES** HB1514, HD1.

With four out of five of our farms in certified organic production there is no reasonable basis to further regulate pesticides that currently benefit farmers in Hawaii. It is a fact that today's food is the safest, and healthiest it has ever been in the history of man.

According to the United Nations World Populations Prospects the average life expectancy of humans in 1950 was 46 years of age. The average life expectancy in 2015 is nearly 70 years of age.

Contributing to this rise in life expectancy, and human health has been the continued growth and modern advancements of world agriculture, including the supply, and movement of food. The threat to humans is not agricultural practices, but the growing world population, and our consumption of energy.

While the unfounded claims, and near sited opinion of a radical faction of Hawaii residents may try to dispute these facts, it is important for lawmakers to separate fact from fiction when deciding on measures like HB1514. Government policy should support, and recognize all farmers including those that use pesticides, genetically engineered crops, as well as organic farming practices. To further discriminate against a farming industry that is already heavily regulated would be doing more harm than any perceived good.

Sincerely,

Les Drent
for LBD Coffee

LBD Coffee, LLC
6200 Kawaihau Road, Unit B, Kapaa, HI 96746 USA
Ph: (808) 822-4495 Fax: (808) 822-9731
lbdcoffee.com

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 9:44 AM
To: AGRtestimony
Cc: gottlieb@hawaii.rr.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Alan Gottlieb	Hawaii Cattlemen's Council	Oppose	No

Comments: Farmers and Ranchers strongly believe in the health and safety of their families, employees and the community. Farmers & Ranchers are the true environmentalists, stewarding over 25% of the State's land mass. We don't talk about helping the environment... we do it every day. Pesticide use is already regulated by the EPA and the Hawaii Dept of Agriculture, based on years of testing. Labeling requirements are based on good science, not on arbitrary buffers and activist sentiment. There seems to be an attack these days on the 1% of our population, the farmers and ranchers, who grow the food for everyone else. No one wants to use or over-use pesticides, but do use them when it is necessary. The little fire ant invading Hawaii is a great example. Do we want to fight it with available resources, or let those lovely critters take over our islands, biting everything in their path, raining down out of trees on our residents and visitor industry? Recent studies by the Hawaii Department of Health found more pesticides in urban Honolulu compared to agricultural areas throughout the State. In a review of cancers on Kauai, incidences were lower compared to the rest of the State, with the exception of skin cancer normally associated with fair skin. Please oppose this anti-farming bill.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 3:59 AM
To: AGRtestimony
Cc: makani.christensen@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
makani	Hunting, Farming and Fishing Association	Oppose	No

Comments: I oppose HB1514 because of it's unintended consequences. Small farmers have the potential to loose there farms. This law needs to be re-written.

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Hawaii Crop Improvement Association

Growing the Future of Worldwide Agriculture in Hawaii

Testimony on HB1514

Aloha Chair Tsuji and committee members,

I am Kirby Kester, President of the Hawaii Crop Improvement Association (HCIA). HCIA is a Hawaii-based non-profit organization that promotes ag biotech to help farmers and communities succeed. It represents over 2000 employees who work in the seed industry and contributes around \$270 million to the State of Hawaii annually. Through education, collaboration, and advocacy, we work to ensure a safe and sustainable food supply; support responsible farming practices, and build a healthy state economy.

HCIA respectfully opposes HB1514.

While we are fully aware of the concerns about pesticide use in this state, we feel that this bill is an unnecessary, arbitrary solution, that is looking for a problem. We are very meticulous on how we steward our crop protection measures, and furthermore have a legal obligation for use according to science based requirements as specified on the label. Pesticides are registered for use by both the US EPA and the State of HI, including specific restrictions designed to protect the public and the environment.

Despite allegations of agricultural pesticides causing widespread harm in Hawaii, the evidence does not support these allegations or the need for additional requirements as outlined in HB 1514. Pesticides are used throughout the world to control pests and disease carriers, such as mosquitoes, ticks, and rodents. Particularly in Hawaii, pesticides are used to control termites which destroy homes. Pesticides are also used in agriculture to control weeds, insect infestation, and diseases that can completely destroy a crop. Even organic agriculture uses pesticides, and don't forget their important use to help control our numerous invasive insect and plant species.

There is almost no risk for the general public to be exposed to harmful levels of agricultural pesticides. Today's application equipment and the sophisticated chemistries of these pesticides ensure that off-site movement is negligible. Air testing in Hawaii and California confirm that when pesticides are found in the ambient air, they are well below any level of concern.

Recent studies by the Hawaii Department of Health found more pesticides in urban Honolulu compared to agricultural areas throughout the State. In a review of cancers on Kauai, incidences were lower compared to the rest of the State, with the exception of skin cancer normally associated with fair skin.

Additional posting, reporting, and buffer requirements are unnecessary. The need for buffers is already assessed and mandated by U. S. EPA when the product is registered. This bill will result in increased costs to all growers, at a time when agriculture is already besieged by other challenges.

HCIA 2014-2016 Board of Directors

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Kirby Kester

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P.O. Box 126
Aiea, HI 96701
Tel: (808) 594-3611
director@hciaonline.com
admin@hciaonline.com
www.hciaonline.com

Hawaii Crop Improvement Association

Growing the Future of Worldwide Agriculture in Hawaii

Pesticide products are the most thoroughly assessed chemicals under the authority of the U.S. Environmental Protection Agency. Before a pesticide is allowed on the market, more than three hundred scientific studies are conducted, resulting in over 75,000 pages of data, to evaluate impacts to the environment and human health. That information is independently analyzed by EPA scientists over a period of many years.

The need for buffers is part of the pesticide assessment process and, if needed, is already required. The EPA evaluation also already includes whether the pesticide can be safely used around sensitive population areas.

There are already strict laws on the books for violations of federal and State pesticide laws. Violators can be fined tens of thousands of dollars and be imprisoned. There are also very stringent training and certification requirements of pesticide users that have been created and administered by experts on the matter. We urge you to heavily consider the current regulation and authority that has been placed on pesticide use. This measure has many potential unintended consequences that will negatively impact farmers. Therefore, we feel that ensuring due diligence has been fully achieved on this matter is imperative before creating additional laws.

Thank You for the opportunity to submit testimony in opposition to this measure.

Kirby Kester
President, Hawaii Crop Improvement Association



Cindy Goldstein, Ph. D
Industry Relations Manager
DuPont Pioneer
Waiialua Parent Seed, Kekaha Parent Seed
Kunia Research Center, Waimea Research
PO Box 520
Waiialua, HI 96791

HB 1514, HD1, Relating to pesticides
House Committee on Agriculture
Thursday Feb 19, 2015
Room 312 at 8:30 a.m.

Position: Opposed

Chair Tsuji, Vice Chair Onishi, and Members of the House Committee on Agriculture,

DuPont Pioneer is a seed company with farming operations in four locations in Hawaii. DuPont Pioneer employs approximately 300 people in a wide range of types of jobs on Oahu and Kaua'i. Our farm management practices include the application of science and technology, and innovative farming techniques that include the responsible use of pesticides. Farmers understand the importance of good stewardship practices, including judicious use of pesticides and management practices that reduce pests.

We are opposed to HB 1514, which narrowly targets a small group of pesticide users. The larger agricultural users of pest control products are amongst the most highly trained and skilled users, following labels and regulations specific for each product. HB 1514 ignores the substantial data generated and rigorous EPA approval process, before any new pesticide product is allowed to be used. Many pesticides approved for use in organic farming go through this same rigorous EPA approval process for safe use.

Bill 1514 calls for mandatory buffer zones that could significantly reduce farmable acres. Each EPA registered pesticide product has a specific set of conditions for application, with labels for some products stating required buffer zones. Buffer zones have already been established through science based evaluation, leading EPA to require specific buffer zones for some products, with varying distance based on the type of use.

Reporting provisions requiring written notification for each application would be very onerous and difficult to carry out. Bill 1514 would negatively impact integrated pest management practices on our farms that allow us to respond quickly and only as needed. Integrated pest management practices rely on scouting for pests to monitor populations, tracking tolerable pest levels on crops, use of biocontrol and other organic pest control methods, and targeted response only when needed. We handle pesticides in a manner that is safe and consistent with state and federal requirements.

DuPont Pioneer supports all types of agriculture and we encourage policies that enable farmers to thrive. This bill divides the farming community and narrowly targets a small group of well-trained pesticide users. Expansion of mandatory buffer zones could result in unintended consequences to the typical farms in Hawaii that are often 2 to 5 acres. The potential for extension of this bill to other farms and businesses would negatively affect other entities that use organic and conventional EPA registered products to control weeds, insects, and diseases.

Thank you for the opportunity to provide testimony for HB 1514.

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 9:09 AM
To: AGRtestimony
Cc: karly.williams@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
karly williams	Individual	Support	Yes

Comments: Mahalo for your consideration of my testimony. Briefly, I just wanted to say (since I will be appearing in person) that we are seeking you to PLEASE protect us. Protect our keiki, homes, and communities from pesticides. These poisons do not stay contained. Hawaii is home to many different rains and winds and it brings the poisons into are daily lives. Please support this bill so that we may establish transparency of the different poisons being sprayed, because we, your constituents, deserve the right to that disclosure. These poisons are known and banned around the world and with this bill the least we are asking you to do is to protect us! I appreciate your time in considering my testimony! Mahalo

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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OPPOSED HB 1514

Jeff Scott, Ph.D., Senior Research Scientist, Western Pacific Seeds, Inc., Haleiwa, HI 96712

Food security is an important issue for Hawaii. Today, we import 90% of our food. Of the food that is locally grown, 65% of it is grown by only 1% of the farms, which number about 75. The rest of the 7,400 farms in Hawaii only produce 35% of Hawaii-grown food. All of these farmers are important. Although farming methods are not all the same, these farmers share the common goal of making a living by feeding all of us.

Breeding tomatoes and peppers has been the focus for most of my career. I also directed field research to collect data for EPA registration of new pesticides that are safer for people and safer for the environment. I am presently a vegetable breeder with Western Pacific Seeds, Inc., a small 3-person independent vegetable seed company on the Oahu North Shore, creating new hybrid vegetable varieties that are resistant to diseases in Hawaii.

Some armchair farmers today criticize what they call 'industrial' agriculture that includes use of chemical fertilizers and pesticides. The reality is that pre-mechanized agriculture was painfully hard work, and produced much less food per acre than today. Over the past 100 years, ever smaller numbers of farmers have produced more and more food for everyone else. Crop productivity has increased from mechanization, improved fertilizers, improved genetics and improved crop protection from pests, including weeds, insects, diseases and rodents. The tropical environment of Hawaii is ideal for year-round multiplication of insects, diseases, weeds and rodents. Food security for Hawaii depends on controlling those pests.

All farmers, including organic growers, must protect crops and animals from pests. Sometimes, an insect like the coffee berry borer, presently in Kona, multiplies and causes major economic damage for farmers. Because of extensive domestic and international trade, approximately 15 to 30 new pests are accidentally introduced into Hawaii each year. Farms are businesses and must make a profit to stay in business and provide jobs. Pest control methods used in Hawaii must be economically viable. Using extensive hand labor would increase food costs and make Hawaii-grown food uncompetitive with imports.

All chemicals and biological agents that control pests are designated as pesticides, which include herbicides (weeds), insecticides (insects), rodenticides (rodents), fungicides (fungi), bactericides (bacteria), nematicides (nematodes, which are parasitic worms), and algaecides (algae). Agricultural pesticides include products used by organic farmers and products used by traditional farmers. The companies that invent new pest control products know that they must be safe for the environment and safe for humans. Old pesticides are frequently replaced by newer products that are safer. Pesticides are highly regulated by the federal Environmental Protection Agency and the Hawaii Department of Agriculture. Potential new products are rigorously tested for toxicity on test animals and for potential effects on the environment. Field tests are done to determine its safety on food crops before it is

approved by the EPA for marketing. Tests are conducted according to rigorous federal Good Laboratory Practices, which also specify that falsifying data is a felony. Scientists who conduct these tests are deeply committed to ethics and integrity. Few people who work in other professions understand the depth of that commitment to truth and honesty.

General use pesticides are available to anyone, and are analogous to over-the-counter pharmaceuticals. Restricted use pesticides require that an applicator pass a State of Hawaii licensing exam in order to buy and to use. Restricted use pesticides are analogous to prescription medications that require specialized training to ensure that they are used safely. Every pesticide has an MSDS (Material Safety Data Sheet) that specifies important chemical, toxicity, flammability and other emergency information. Products must also be registered and approved for use by individual states.

Pesticide labels define what crops or animals may be treated, by what method, and how often. Labels specify protective clothing (PPE) required for applicators, the minimum duration between application and re-entering the treated area without PPE, and the minimum duration between application and harvest. All of the instructions on the label are based on scientific data. These detailed instructions protect applicators, other farm workers, neighbors and consumers from exposure.

Each pesticide label has the force of law. That means any violation of the label is breaking the law. Farmers and pesticide applicators take this very seriously. These laws apply equally to everyone: organic farmers, traditional farmers, landscapers, pest control companies, golf courses, government employees and the general public. Specific pesticide products for use by certified organic growers are designated by OMRI (Organic Materials Research Institute) and registered with the EPA and each state for approval. Traditional growers may use OMRI-designated products and additional products registered and approved by the federal EPA and Hawaii Department of Agriculture.

Some people believe that pesticides used by organic farmers are less toxic than ones used by traditional farmers. That is not true. Many synthetic pesticides have very low toxicity, and some OMRI pesticides have higher toxicity. Toxicity is expressed as the LD50, which is usually a measure of the oral dosage amount that kills 50% of a group of rats (or mice) and is expressed as milligrams of the pesticide per kilogram of animal body weight. Some products may also have an LD50 for skin absorption and for inhalation if the pesticide is a gas. The smaller the LD50 number, the less it takes to kill the rats, and the more toxic it also is to humans. Toxicity of other chemicals such as table salt, aspirin and caffeine are measured the same way. Some irresponsible web sites falsely claim that our food contains many pesticides. The EPA has set limits for extremely tiny amounts allowed in food, and those limits have a large margin of safety for our health built in and backed by scientific data. The regulatory system does an outstanding job of protecting the health of consumers.

Our modern world is complex and we face hazards to our health and safety in many diverse ways. Driving to Honolulu poses a safety risk, smoking marijuana or tobacco are health risks, consuming nitrite and nitrate preservatives in lunchmeat is a potential risk, high blood cholesterol is a risk, and the list goes on. We can never eliminate every possible risk from our lives, but we can make smart and prudent choices. Pesticide contamination in food and public exposure by farm spraying are two of the smallest

potential risks that we face each day. The food supply in the United States is safer today than it has ever been. Growing more food in Hawaii to achieve food security depends on controlling the many pests that damage our crops and animals.

OPPOSED HB 1514

Jeff Scott, Ph.D., Senior Research Scientist, Western Pacific Seeds, Inc., Haleiwa, HI 96712

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**LARRY JEFTS FARMS, LLC
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(808) 688-2892**

HB 1514hd1, Relating to Environmental Protection
House AGR Committee - Thursday, February 19, 2015
8:30 am - Conference Room 312

**Testimony by: Larry Jeffs
Position: Oppose**

Chair Tsuji, Vice Chair Onishi, and Members of the House AGR Committee:

I am Larry Jeffs, owner and operator of Larry Jeffs Farms, LLC, which is part of our family-run business of farms on Oahu and Molokai, under the administrative umbrella of Sugarland Growers, Inc. We have more than 35 years of Hawaii farm experience on Molokai and Oahu.

As a commercial agricultural entity, we use the tools of Integrated Pest Management, general and restricted use pesticides, to include organic pesticides when necessary to grow produce that is competitive with imported mainland produce. Large-scale farms have strict pesticide protocols, licenses applicators and are at financial risk and of losing commercial licenses due to any non-compliance issues.

Small-scale farms, who should be considered a commercial agriculture entity if they are selling produce, are often at the greatest risk for non-compliant pesticide applications and increased exposure to risk.

The unintended consequences of this bill will make commercial agriculture in Hawaii non-competitive with imported produce from the mainland and international sources.

Based on my understanding of this bill, and in particular the specifications suggested in HSCR-186 to the committees of referral, AGR, CPC/JUD, we estimate several thousand acres of our farm will become commercially non-viable. In other words, the loss of responsible and legally approved general and restricted use pesticides due to buffer zones will make Hawaii-grown produce non-competitive with produce imported from the mainland and international sources.

- This is highly ironic when the State of Hawaii is concerned about increasing its ability to grow food to feed its 1.3 million people, which is anticipated to grow to 1.7 million according to DBEDT's Population and Economic Projections for the State of Hawaii to 2040 report.
- While the locations and proximity to farms are visible for schools and hospitals, "sensitive area" activities conducted in residences such as child care, adult residential care are not readily known; thus making it difficult to determine the true impact on agriculture production.
- A standard distance buffer zone does not fit all. The EPA concluded this in its 2014 response to the petition to protect children from pesticide drift and stated that it is not scientifically defensible. <http://www2.epa.gov/sites/production/files/2014-08/documents/spray-drift-petition.pdf>

Responsible farmers, the community and policy makers are all concerned about the safety of workers and residents. A science-based discussion is suggested, much like Peter Adler's Kauai Joint Fact Finding Group's discussion which is anticipated to be completed by the end of 2015. "The overall goals of any JFF (Joint Fact Finding) are to illuminate the factual assumptions behind a controversy, map areas of factual agreement that all parties can respect, put those areas in a proper context, and help inform policy making," added Adler." <http://hdoa.hawaii.gov/blog/main/kauaiproject/>

Thank you for the opportunity to submit testimony.

BIA-HAWAII

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Testimony to the House Committee on Agriculture Thursday, February 19, 2015 8:30 a.m. State Capitol - Conference Room 312

RE: HOUSE BILL NO. 1514, RELATING TO ENVIRONMENTAL PROTECTION

Dear Chair Tsuji, Vice-Chair Onishi, and members of the Committee:

My name is Gladys Marrone, Chief Executive Officer for the Building Industry Association of Hawaii (BIA-Hawaii), the Voice of the Construction Industry. We promote our members through advocacy and education, and provide community outreach programs to enhance the quality of life for the people of Hawaii. BIA-Hawaii is a not-for-profit professional trade organization chartered in 1955, and affiliated with the National Association of Home Builders.

BIA-Hawaii **opposes** H.B. 1514, which proposes to establish notification and disclosure requirements for outdoor pesticide applications near schools, childcare facilities, and certain commercial agricultural entities, as well as buffer zones and wind speed restrictions for outdoor pesticide applications in sensitive areas such as schools, hospitals, and adult residential care facilities.

While we understand the desire to protect schools, hospitals and residential care facilities, we do not believe this type of legislation is an appropriate means to provide the desired protection. We understand that the use of pesticides is already regulated by the federal government through the Environmental Protection Agency (EPA). Pesticides are subject to a rigorous test process before the EPA will allow it to be sold for commercial or private uses.

As written, the bill provides no documentation, scientific studies or evidence to support the need for legislation at this time. Imposing these restrictive requirements on agri-businesses in Hawaii without any type of scientific evidence or justification is unwise.

Also of concern is the unintended consequence of buffer zones on small farming operations, as more than half of a small farmer's land could be rendered unusable, depending on its size and proximity to the above mentioned areas. Such action would be detrimental to small farming operations, our economy, and Hawaii's food security.

For these reasons, we respectfully request that the bill be **held**. Thank you for the opportunity to express our views on this matter.

MONSANTO CO.
94-520 KUNIA ROAD
KUNIA, HAWAII 96759

TESTIMONY BEFORE THE
HOUSE COMMITTEE ON ENERGY
AND ENVIRONMENTAL PROTECTION

FEBRUARY 19, 2015

TESTIMONY ON
HB 1514, HD 1
RELATING TO ENVIRONMENTAL PROTECTION

Chair Tsuji, Vice Chair Onishi and committee members:

My name is Alan Takemoto, Community Affairs Manager for Monsanto Hawaii.

Thank you for allowing us to comment on HB 1514. Pesticides when used properly are vital and beneficial tools for all aspects of our environment and the economy. Homeowners, farmers, businesses, government agencies and other environmental organizations use pesticides to protect the environment by controlling invasive species, control weeds, insects and plant diseases, and to prevent or control the spread of diseases in our every day lives.

Health and Safety is Monsanto's number one priority. We strive daily to ensure a safe working environment for our employees and guests. We are very aware of our surroundings and take every measure to ensure our neighbors are not impacted by our operations. Monsanto and its employees and their families are very attentive to the health and well being of the communities where we work and live. Our employees and their families also attend the nearby schools, childcare facilities, hospitals, and community centers from which everyone benefits.

Monsanto is committed to being a responsible steward of the land. We utilize soil and water conservation practices in all of our farm operations. We diligently comply with federal and state laws that govern responsible pesticide use and in many cases have taken additional stewardship measures. All of Monsanto's employees who work with pesticides receive extensive training. Many farmers, including Monsanto, use an integrated pest management program that use all aspects of pest and disease control that don't necessarily require the use of pesticides, but also incorporates other techniques and natural occurrences.

Good public policy must and should be based on facts. We encourage the committee to examine the basic facts on pesticide use in Hawaii. The Hawaii State Department of Agriculture has the data on who uses pesticides, where they are being used and how they are being applied. To accurately assess the merits of any bill and value to public health and safety, these facts must be considered. This can be an excellent opportunity to not only understand the actual risks posed by the use of pesticides, but to also educate the public on those risks and the value pesticides bring to our communities. We respectfully oppose this measure.

Thank you.

**HB 1514 HD1
RELATING TO ENVIRONMENTAL PROTECTION**

**PAUL T. OSHIRO
MANAGER – GOVERNMENT RELATIONS
ALEXANDER & BALDWIN, INC.**

FEBRUARY 19, 2015

Chair Tsuji and Members of the House Committee on Agriculture:

I am Paul Oshiro, testifying on behalf of Alexander & Baldwin, Inc. (A&B) and its agricultural company Hawaiian Commercial & Sugar Company on HB 1514 HD1, A BILL FOR AN ACT RELATING TO ENVIRONMENTAL PROTECTION. We respectfully oppose this bill.

Pesticide use in Hawaii is extensively regulated by both the Federal Environmental Protection Agency and the State Department of Agriculture under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Hawaii Pesticide Law (Chapter 149A, HRS). Depending upon the pesticide and its intended use, the EPA and the State impose mandatory conditions and requirements that are science based and designed to protect the pesticide applicator, the general public, and the environment. These requirements may include, but are not limited to, maximum application rates, using only specified application methods and equipment, application only under specified weather conditions, prohibition of any pesticide drift to neighboring properties that causes health or environmental harm, and, in the case of restricted use pesticides, allowing use only by or under the direct supervision of certified pesticide applicators.

Pesticide labels contain specific instructions such as what the pesticide may be used on, how much of the pesticide may be used, how often the pesticide can be used, and worker protection requirements. Federal Law states that the pesticide label is the law, and that use of the pesticide that is not in conformance with the label is a violation of Federal Law and may result in fines and/or imprisonment.

This bill includes provisions to impose new regulations and restrictions on the use of all pesticides by commercial agricultural entities that purchase or utilize more than an unspecified amount of restricted use pesticides. Pesticide buffer zones are established for these entities that restrict the outdoor application of all pesticides within an unspecified distance from schools, hospitals, adult residential care homes, child care facilities, shoreline/watersheds, and other areas. Mandatory disclosure and notification requirements are also required for all pesticides used by these entities.

In the agricultural industry, pesticides are commonly utilized to protect crops from insect damage, disease, and weed infestation. Pesticides are an integral and essential component in many farming operations. The restriction and prohibition in the use of pesticides on agricultural crop lands will, in many instances, preclude the use of these lands for agricultural crop production.

By mandating the imposition of pesticide buffer zones, this bill may effectively prevent the continued use of lands presently in active agricultural production. The removal of lands presently in active agricultural production is likely to have a direct negative impact on the total crop output of the agricultural operation. A reduction in total crop output may pose significant challenges in the overall sustainability and viability of the agricultural operation.

The proposed pesticide buffer zones, which are applicable to commercial agricultural entities that purchase or utilize in excess of an unspecified amount of restricted use pesticides, may essentially allow non-agricultural entities and other persons who use the same restricted use or general use pesticides to be exempt from the provisions in this bill. Entities or persons applying significant quantities of restricted or general use pesticides per acre in the vicinity of sensitive areas may be excluded from the restrictive provisions in this bill if they do not purchase or use restricted use pesticides above the unspecified aggregate threshold in this bill. Conversely, entities and persons who apply the same pesticides would be subject to the bill's restrictions if their aggregate restricted use pesticide use is in excess of the unspecified aggregate threshold.

In the future, should a sensitive area facility be situated on lands adjacent to an affected commercial agricultural entity, new buffer zones may be established for the affected commercial agricultural entity. We note that readily identifying future sensitive area facilities may pose challenges for the agricultural operation. The uncertainty of future buffer zones being established as a result of actions on neighboring lands is likely to be problematic for even short-term farm planning.

The mandatory pesticide disclosure and notification requirements imposed by this bill may also create unintended negative consequences. By imposing these mandatory pesticide disclosure and notification requirements without accompanying public education on Federal and State pesticide oversight and regulation, this may result in an increase in the number of inquiries, complaints, and non-science based comments and concerns. In addition, despite every effort to follow proposed pesticide

application schedules, these schedules may unexpectedly change due to various operational and weather related factors. Schedule changes implemented after the pesticide application notice is issued may create confusion and prompt additional inquiries and concerns. We understand that at present, the posting of warning signs for pesticide application is determined by the U.S. Environmental Protection Agency during their detailed pesticide evaluation and registration process based on the toxicity of the pesticide and other factors. The information required to be posted on warning signs as specified in this bill may require that large signs be posted at various locations. Multiple signs may also need to be prepared to include required information on the various ingredients included in pesticides applied to the agricultural crops.

We believe that the Federal and State entities presently overseeing pesticide regulation in Hawaii have the technical knowledge and expertise to implement additional pesticide regulations, when warranted and necessary, to protect and safeguard employees, the general public, and our environment.

Agriculture is a fragile and very challenging business that affords benefits to the broader community and the economy. Providing jobs for residents, revenue for support businesses, and the ambiance of open agricultural fields are some of the benefits derived from a healthy and prosperous agricultural industry. By imposing additional challenges on agricultural entities, this bill may negatively impact the long term viability and sustainability of Hawaii's agricultural industry.

Based on the foregoing, we respectfully request that this bill be held in Committee. Thank you for the opportunity to testify.



February 17, 2015

Hawaii State House Committee on Agriculture

Regarding HB1514 – a bill to restrict the use of legal pesticides

Greetings,

My name is David Schell and I manage the agricultural activities of Island Princess in Kea'au on the Big Island. I am writing today to express my strong objection to HB1514, a measure that will only result in yet another burden on agribusiness in this state and will yield no measurable improvement on the environment or in the health of the people of Hawaii. Please consider the following points.

1. Chemicals used in agriculture have gone through rigorous testing and are already subject to extensive regulations intended to safe guard farm workers and the environment both on and off the farm. If there is any evidence that a chemical is causing harm, the appropriate venue for dealing with this is with the EPA (state and federal) and chemicals should be considered individually – not as a category. There are "pesticides" that are no more toxic to people than table salt.
2. Applications of most chemicals in agribusiness are closely monitored by the state and also by the farmers themselves. As these chemicals tend to be expensive (owing largely to the costs for registration) and farmers are generally opposed to wasting their money, they are unlikely to be irresponsible with their applications. (Besides, there can be severe penalties for the misuse of chemicals by farmers.) Indeed, the most wasteful and least monitored use of agricultural chemicals is by private homeowners. Interestingly, I do not see any provisions for banning the use of these materials by homeowners in the proposed buffer zones in HB1514.
3. The state freely applies chemicals for weed control along public roads and at public facilities – including schoolyards and parks where children are known to frequent. There are also incidents when other pesticides have been employed in these areas to control insect infestations – such as dry wood termites. Is it the intent of HB1514 to prohibit this activity as well? If so, I believe it would be prudent to consider the economic impact of having to deal with these situations without the use of chemicals.
4. The contention that the health of people living within agricultural communities would improve following the implementation of these proposed restrictions is entirely unsubstantiated by facts. Yes, it is true that there are people who have allergies or are hypersensitive to certain groups of chemicals, but hog-tying an entire industry for the

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remote possibility that some of these people may come into contact with a measurable amount of contamination is an absurd and Draconian solution. Is accommodating a few people with environmental sensitivity that happen to live within the proposed buffer zones worth the additional costs in food production - and the subsequent higher prices for food – for every citizen in Hawaii? If so, perhaps then we should also consider banning the use of fossil fuels in and around these same zones. After all, the emissions from automobiles are demonstratively full of carcinogens and toxins and the exposure rates in any given area are infinitely higher than from any agricultural activity.

I am struck by how much time in the last few years I have spent trying to defend our industry from manipulating emotional and entirely fact-less attacks by small and stunningly ignorant groups of "activists". The uproar over GMO's is a perfect example of this. These people would have the world believe that we farmers are engaged in a systematic destruction of the earth and it's ecosystems, that we have no consideration for the health of the communities that WE live in and raise OUR children in, that for us it is always and only about the almighty dollar. These people are extremists who have blinded themselves to a world of moderation and logical consideration of all situational elements. These "activists" are, in a sense, terrorists and the terror they create is from deceiving the public into believing that they are bad parents and worse neighbors if they do not think as the "activists" think. They use over-wrought emotionalism where their rhetoric is completely devoid of any factual substance. They are doing more harm to the fabric and health of our island's community than any pesticide employed since the last drop of DDT was sprayed.

The notion in Hawaii that farming is, somehow, inherently problematic is even more ridiculous considering the pathetic state of our domestic food supplies and our extraordinary vulnerability to shipping interruptions. The people of this state should be doing everything within their powers to encourage responsible agriculture and help us farmers to maximize our productivity. Instead, we squander our energy and hours of our time trying desperately to protect our proven practices against mindless efforts such as this HB1514. Please reject this nonsense in a manner that sends the message to our state that these perpetual groundless distractions will no longer be considered. Please tell our people that we, the farmers of this state, will gladly alter anything we do if there ever is a valid, demonstrable reason to do so. We are not careless, stupid monsters.

Thank you for your time and consideration.

David Schell
GM, Island Princess Kea'au Operations

16-261 Shipman Road, P.O. Box 340, Keaau HI 96749
Phone(808)966-7451 Fax(808)966-8507

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 9:37 AM
To: AGRtestimony
Cc: hawaiifish@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Ronald Weidenbach	Hawaii Aquaculture & Aquaponics Association	Oppose	No

Comments: The Hawaii Aquaculture & Aquaponic Association strongly opposes this measure which would add an unnecessary and inappropriate production constraint and financial burden for Hawaii's agricultural community which in turn would result in yet another obstacle to our State's efforts to increase local food production. The use of conventional and organic pesticides are well studied and regulated by the Federal government through agencies that are technically well versed in these matters. The currently proposed measure would add additional regulations that go far beyond what these agencies have determined through rigorous scientific study are appropriate. The HAAA urges that this measure be opposed and recommends instead that HB504 be supported that addresses pesticide concerns by strengthening HDOA's existing regulatory framework.

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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EAST OAHU COUNTY FARM BUREAU
910 CALIFORNIA AVE., WAHIAWA, HI 96786

February 17, 2015

Representative Clift Tsuji, Chair
Representative Richard H.K. Onishi, Vice Chair
House Committee on Agriculture
State Capitol, 415 S. Beretania St.
Honolulu, Hawaii 96813

Dear Chair Tsuji, Vice Chair Onishi and Members of the Committee:

The East Oahu County Farm Bureau, which represents approximately 300 members from Waimanalo to Kahuku, respectfully **opposes HB 1514 HD1**. As the State Department of Agriculture has pointed out in previous testimony, agricultural pesticides are already highly regulated at both Federal and State levels, using science-based risk assessments.

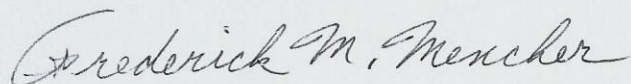
HB 1514 HD1 specifically targets “commercial agricultural entities,” ignoring other pesticide users. We would like to point out that “commercial agricultural entities” are not just large biotech companies; they also include the farms of all sizes that feed all of us. The reporting and buffer zone requirements proposed in HB 1514 HD1 are liable to be impractical for the small-to-medium-sized farms that make up most of East Oahu County’s membership. While most of these farms do not currently use restricted pesticides, any that must do so will be severely affected by the proposed rules. We are concerned, also, that passage of HB 1514 will open the door for future, similar requirements for farms using non-restricted pesticides. If this occurs, essentially all farmers in Hawaii will be impacted and local food production will suffer.

The requirement for written advance notice of pesticide applications could have the unintended consequence of disrupting integrated pest management programs. These programs are designed to help minimize pesticide use, in part by spraying only when an infestation reaches a certain threshold. Under HB 1514HD1's reporting requirements, if a farmer finds that the infestation has reached that threshold, he or she would have to send written notice (by mail?) to “any sensitive area and any property owner, lessee, or person otherwise occupying any residential property within [unspecified] feet of the property line of the commercial agricultural entity...” The farmer would have to wait until the notices arrived, probably also verify that all the notices were delivered (or under Section 149A-K, he or she could be sued), and then wait another 24 hours before actually applying the pesticide. Pests multiply quickly, and in this situation the farmer might have to apply a higher dose of pesticide, spray a larger area, or even use a more powerful pesticide to control the greater infestation that developed during the notification period.

We therefore request that you hold HB 1514 HD1. Instead, we encourage you to support positive legislation like HB 504 that will help restore DOA’s ability to monitor pesticide use, enforce pesticide regulations, and provide credible and reliable pesticide information.

Thank you for the opportunity to testify on this matter of great importance to Hawaii's farmers.

Sincerely,

A handwritten signature in cursive script that reads "Frederick M. Mencher". The signature is written in dark ink and is positioned above the typed name.

Frederick M. Mencher for
Grant Hamachi, President
East Oahu County Farm Bureau



Testimony from Jeff Case, Senior Director Government Affairs, CropLife America

In opposition to HB 1514

Thursday, Feb. 19, 8:30 am – House Committee on Agriculture

Aloha Chair Tsuji, Vice Chair Onishi, and Committee Members:

CropLife America represents the manufactures and registrants of pesticide products that are used for agriculture production. We recognize the need for these valuable crop protection products to be used in a manner that is protective to schools, children and sensitive environmental areas. But we are opposed to HB 1514.

These bills will not provide any additional public or environmental safety than already exists in the use requirements, many precautions and setbacks identified on the product use labels which are enforceable by state and federal law. We dispute the idea that there are wide-spread problems with pesticide applications in the state, and the need for these extensive and unprecedented measures.

These bills have been develop and promoted by national anti-pesticide /agriculture organizations like Center for Food Safety and EarthJustice. The goal of these national well- funded groups is to make growing genetically modified crops in Hawaii as difficult as possible and has less to do with concerns about their use of pesticides.

These groups have misled the public and lawmakers by suggesting that 33 states have already passed similar laws. Very few states have laws that contain ANY of the provisions that are in these bills. Integrated Pest Management (IPM) requirements in schools and on school property has nothing to do with the application of pesticides on agriculture lands and those are the policies that states have adopted.

Appropriately – schools have the responsibility of keeping students healthy and safe by ensuring pesticides are used responsibly. The recent incidents at schools in Waipahu, Ewa Beach and Hawaii Kai did NOT involve farmers, but were the result of improper use by neighbors.

We support HB 504 because we believe that a strong state pesticide regulatory program is essential to assuring the public that these valuable pesticide products are used properly. HB 504 strengthens the Hawaii Department of Agriculture's capacity to regulate pesticides in the state. If lawmakers are sincere about addressing public safety, support the pesticide branch of the Dept. of Ag.

Mahalo for your consideration.



Committee on Agriculture

Rep. Clift Tsuji, Chair

Rep. Richard H.K. Onishi, Vice Chair

Board of Directors:

Thursday, February 19, 2015 at 8:30am, Conference Room 312

Gary L. Hooser
President

Dear Committee Chair Tsuji, Vice Chair Onishi and Members of the Committee:

Paul Achitoff

As Acting Executive Director for the Hawai'i Alliance for Progressive Action (HAPA), I would like to submit the following **Comments re: HB1514**.

Andrea N. Brower

HAPA is a statewide Hawai'i 501(c)(3) non-profit. Our mission is to "catalyze community empowerment and systemic change towards valuing 'aina (environment) and people ahead of corporate profit."

Aria Juliet Castillo

Malia K. Chun

Informational Comments relevant to HB1514:

Bart E. Dame

1. **There is solid scientific evidence about the dangers of pesticides on children and the elderly.** See, [A Generation in Jeopardy: How pesticides are undermining our children's health & intelligence](#).

Laura Harrelson

The [Policy Statement by Amer. Academy of Pediatrics](#) points out the dangers of pesticides to children are increased risk of childhood cancers, neurobehavioral & cognitive deficits, adverse birth outcomes, and asthma.

Ikaika M. Hussey

Bianca K. Isaki

Furthermore, counties in California using restricted use pesticides for agricultural purposes have about a 40% increase in Parkinson's Disease mortality when compared to counties reporting no restricted use pesticides.¹

Kim Coco Iwamoto

Lorilani Keohokālole-
Torio

2. **"Restricted use pesticides" (RUPs)** are those pesticides that the EPA determined likely to cause "unreasonable adverse effects on the environment" if they are used "without additional regulatory restrictions."

Katie McMillan

On Kaua'i, over half (12 of the 22) of the RUPs used in recent years by agricultural operations on the island contain active ingredients that are known or probable carcinogens, reproductive or developmental toxicants, cholinesterase inhibitors, known groundwater contaminants or acutely toxic poisons. (Source: [Pesticide Action Network Database](#))

Joshua D. I. Mori

Walter Ritte Jr.

Karen Shishido

3. **RUP thresholds:** Most food farmers do not use large amounts of RUPs. My understanding from testimony by farmers re: Kaua'i's Bill 2491 is that 5 gallons/ 15 lbs of RUPs is a very large amount of RUPs for any small farmer to use in a

Cade Watanabe

¹ [Beyond Pesticides](#), citing 7 Ritz B, and Yu F. 2000. *International Journal of Epidemiology* 29(2): 323-329

single year. Thus with a reasonable threshold (i.e. of 5lb/15 gallons) it is possible to protect schools, hospitals, homes and other sensitive areas from the largest users of RUPs (such as agrochemical/seed research operations), without burdening small, food producing farms. The Haw. Dept. of Ag. [RUP sales records for Kaua'i](#) is instructive on this point.

4. **Re: Buffer Zone distances.** Pesticides have been known to drift for miles through wind and rain.² A study published in the *American Journal of Health* shows that living within 2600 feet (~.5 mile) of an agricultural area increased the risk of brain cancer two-fold, with astrocytoma increased by 6.7 fold.³

Some pesticide reform groups are adamant that buffer zones should be at least 1.5 miles. In California, both Tulare and Yolo counties have passed bans on pesticide application within 1/4 mile of a school before and/or while the school is in session. Hawai'i is one of 19 states that does not have regulations addressing the impacts of pesticide use on or near schools.

There are at least 25 schools in Hawai'i located within a mile of large agricultural companies that spray restricted-use pesticides.

5. **Mandatory notification and disclosure requirements** allow residents to avoid unknown exposure. "This is particularly important with children, because most of the symptoms of pesticide exposure, from respiratory distress to difficulty in concentration, are common in kids and may also have other causes, pesticide-related illnesses often go unrecognized and unreported."⁴

Disclosure and notification also allow for public health and environmental impact studies, and for health care providers to have access to critical information in treating their patients.

Thank you for your consideration of these comments.

Sincerely,

Elif Beall
Acting Executive Director
Hawai'i Alliance for Progressive Action

² [Beyond Pesticides](#), citing Atmospheric Deposition of PAH, PCB and Organochlorine Pesticides to Corpus Christi Bay. Texas A&M Geochemical and Environmental Research Group. Presented at the National Atmospheric Deposition Program Committee Meeting.

³ *Id.* citing Aschengrau, A., et al. 1996. "Cancer Risk and Residential Proximity to Cranberry Cultivation in Massachusetts." *Am. J. of Public Health* 86(9):1289-96

⁴ *Id.* citing National Environmental Education and Training Foundation. 2002. National Strategies for Health Care Providers: Pesticides Initiative Implementation Plan. Washington DC

Dear Chairman Tsuji , Vice Chairman Onishi and Members of the Agricultural Committee:

My name is Michael Kamiya and I am a 3rd Generation papaya farmer on the windward coast of Oahu. My father and I own and operate Kamiya Gold, Inc. We produce the Kamiya Papaya which is sold throughout the island.

We strongly oppose HB 1514. As written this bill will adversely affect us and many other small farmers located near schools, hospitals and churches. Our farm has bordered the Brigham Young University Hawaii Campus for over 25 years. If this bill were to become law we would lose all 19 acres of that farm since it will fall well within the 0.75 mile buffer zone. We currently do not purchase the amounts of Restricted Use Pesticides to be included in the law, although with our future expansion we will fall into that category. Also, in those 25+ years of being next to the campus, we have not had a single instance of complaints regarding pesticides or drift from any students, staff or faculty. My father and I are both licensed applicators in the State of Hawaii and we strictly adhere to the rules and regulations of every pesticide we use. Finally, in addition to the tremendous loss of income from not being able to farm that area of land, we would stand to lose all that we have invested in the land which include; roads, irrigation systems, windbreaks, swales and soil amendments. This bill would not only hurt our farm, but our distributors, suppliers and most importantly our loyal customers.

Another reason we oppose this bill is because it is very discriminatory towards the seed companies but all farming in general. Farmers are not the only ones who use pesticides in their lines of work. Pest control companies, schools, government entities, golf courses even landscape companies and most notably, homeowners should be included in the legislation. Perhaps instead of legislation, the government can promote education and proper usage to prevent incidents.

Finally, as a young farmer who gave up a corporate career to return to the farm, it is very frustrating to constantly be the target of legislation. Farming is the most difficult job I have ever done in my life; it is clear to me why only 2% of our US population chooses this career path. We deal with everything from the weather, mechanical issues, pests, diseases, market pressures and still operating a profitable business to support our families and our employee's families. If we are to be truly sustainable and promote locally grown produce, I humbly ask you to help us and not continue to hurt us with stifling legislation.

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 2:05 PM
To: AGRtestimony
Cc: swhalen@harc-hspa.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Stephanie A Whalen	HARC	Oppose	No

Comments: HARC strongly opposes this measure. There have been numerous attempts to go after the large agricultural businesses in the state and this envelops the entire industry. There seems to be little regard AND understanding of the existing labels on pesticides. These are the laws which need to be enforced not adding more. Agriculture is already a very regulated sector. This is not helpful; considerable effort goes in at the federal level to develop the label to protect the environment and the public. It would help all those to read and understand that process before adding more cumbersome non- science-based restrictions without supporting data. Fear-mongering is a common tactic now by activists groups to accomplish their agendas. It should not take over the legislative process. Please read the existing law-the label and understand how these proposals affect all operations and understand the tactics being employed. Thank you for this opportunity to provide input. VOTE NO to this proposal.

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From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 8:39 AM
To: AGRtestimony
Cc: jkimof@msn.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
james Kimo Falconer	Hawaii Coffee Growers Assn	Oppose	No

Comments: Members of the Ag Committee, The Hawaii Coffee Growers Assn. opposes this bill. Our membership covers more than 70% of the coffee growing acreage in the state. This is one of many anti-pesticide bills that is strictly discriminatory against the farmer. You should be trying to find ways to help sustain our food supply and not hamper the effort. James Kimo Falconer President, Hawaii Coffee Growers Assn.

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19 February, 2015

Chair Tsuji, Vice Chair Onishi, and members of the Committee,

At BASF, we create chemistry for a sustainable future. BASF's innovative products, solutions and tools help our customers meet their responsibilities to continually improve sustainability and we recognize that long-term business success requires acting with conscientious care toward the environment and society.

BASF Plant Science and BASF Corporation (collectively "BASF") oppose HB 1514. The bill would place undue burdens on farmers, the Hawaii Department of Agriculture (HDOA), and the people of Hawaii. More importantly, the measures the bill intends to enact will not provide any additional health or safety benefits, thus wasting state resources that can be used towards education, research, and the advancement and promotion of Hawaiian agriculture.

The United States Environmental Protection Agency (EPA) has stringent requirements for all pesticides that are used in the U.S. Dozens of studies are submitted for review that address each pesticide's effects on human health and the environment, not just on the targeted pest or weed. Pesticides are only authorized if the EPA determines they are safe. A second tier of review is conducted at the state level, and the HDOA is acutely aware of specific issues in Hawaii that must be addressed before a pesticide is registered for use in the state. The HDOA also has regulatory and legal tools at its disposal to address public concerns about pesticide applications and uses, including regular on-site inspections by the HDOA Pesticide Branch to ensure compliance with regulatory requirements.

Moreover, the labels for pesticide products provide adequate instructions for safe and responsible use. Pesticide labels rely on the many scientific studies conducted by the pesticide manufacturer and reviewed by the EPA to determine the guidelines that dictate the safe application and use of the product. Buffer zones, requirements for wind speed during application, the restriction of pesticide application during certain weather events, and groundwater restrictions are just some of the many aspects that are addressed on the label.

Rather than force all growers in Hawaii to adhere to an arbitrary set of unnecessary rules, as HB 1514 would do, BASF believes the state should focus on providing additional educational and training resources to the HDOA, applicators, growers and the general public so they can better understand and use those innovative tools to make farming in Hawaii more productive and sustainable. To that end, BASF supports the concepts in HB 504, namely by providing additional resources to the HDOA to a) continue and expand their assessment of products and their uses to ensure the health of the environment and Hawaiians, and b) provide training opportunities related to pesticide and plant biotechnology products to users and the general public.

Thank you for the opportunity to provide input on this important topic.

Sincerely,

Steven J. Lupkes
Research Station Manager



HAWAII

AMERICANS FOR DEMOCRATIC ACTION

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MAILING ADDRESS

PO. Box 23404
Honolulu
Hawai'i 96823

February 13, 2015

Chair Tsuji and Agriculture Committee

Re: HB 1514 Relating to Environmental Protection
Hearing on Feb. 17, 2105

Dear Rep. Tsuji and Committee Members:

Americans for Democratic Action is an organization devoted to the promotion of progressive public policies.

We support HB 1514 to protect Hawaii's children by creating pesticide buffer zones around schools. The logic of this bill seems obvious. Protect our children from poison. Please pass this bill.

Sincerely,

John Bickel
President



P.O. Box 253, Kunia, Hawai'i 96759
Phone: (808) 848-2074; Fax: (808) 848-1921
e-mail info@hfbf.org; www.hfbf.org

February 19, 2015

HEARING BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

TESTIMONY ON HB 1514
RELATING TO ENVIRONMENTAL PROTECTION

Room 312
8:30 AM

Aloha Chair Tsuji, Vice Chair Onishi, and Members of the Committee:

I am Christopher Manfredi, President of the Hawaii Farm Bureau (HFB). Organized since 1948, the HFB is comprised of 1,932 farm family members statewide, and serves as Hawaii's voice of agriculture to protect, advocate and advance the social, economic and educational interests of our diverse agricultural community.

The Hawaii Farm Bureau strongly opposes HB 1514 HD1.

While we adhere strictly to the belief that health and safety must come first in any enterprise, this bill does not ensure any increased public safety. It establishes a new, unfunded, and arbitrary State pesticide use regulatory regime to replace decades of U.S. EPA and Hawaii Department of Agriculture expertise, and abandons the continuous, intensive scientific study and review-based existing laws and regulations that protect the public while allowing farmers to produce food and other necessary crops.

Each pesticide sold and used in Hawaii undergoes intense scientific scrutiny prior to being allowed on the market. Its potential impact to health and the environment is studied and regulated taking into account the most sensitive population, including infants and expecting mothers. Both the Federal and State government dictate how each pesticide is used and what notification, worker protection, buffers, and recordkeeping are required.

This bill sets a precedent by which unsubstantiated health claims against one sector of farming are allowed to derail an entire regulatory process to substitute arbitrary and undemocratic requirements that could jeopardize not only the targeted farms, but every farmer in the State, and it ignores other non-agricultural users who reportedly use more of the products this measure seeks to regulate.

HB 1514 HD1 will take farm land out of production, increase costs, make it even more difficult to farm in Hawaii, and subject farmers to crushing litigation. We respectfully request that this committee consider the impact to growers in Hawaii of **far exceeding U.S. EPA restrictions**. Before deciding whether new, arbitrary and damaging restrictions are needed, it is important to evaluate whether any real risks to the public will be addressed. Recent air, surface water, and sediment studies in Hawaii do not indicate a risk to the public from pesticides.

Please consider an alternative to this bill, HB 504, that will increase funding and expand the authority of the Department of Agriculture Pesticide Branch so that it can determine where pesticide risks exist and how best to eliminate them. That bill will enhance the ability of the agency with expertise in this area to address pesticide concerns and ensure public safety *while allowing agriculture to remain viable in Hawaii.*

Thank you for the opportunity to testify.



February 19, 2015

TESTIMONY

HB1514 HD1 RELATING TO ENVIRONMENTAL PROTECTION

House Committee on Agriculture

February 19, 2015

Chair Tsuji and Members of the House Agriculture Committee:

MCFB representing commercial farm and ranch family and organizations on the island of Maui **STRONGLY OPPOSES** HB1514 creating requirements for certain pesticide uses.

We oppose this measure for the following reasons:

- Arbitrary buffers will harm farm viability without contributing to public and environmental safety
- Assumption that there is inadequate testing and regulation is inaccurate
- Premises relating to risk and resulting in the proposed legislation are not science based

Buffers

A major concern suggested in this proposal is that of arbitrary buffers around the fields. These requirements do not take real risk into account yet will result in loss of significant acreage from production. Additionally these no-spray buffers may result in weedy patches that can host rats and mice or other undesirable threats to the neighborhood. It seems unfair to require farmers to manage these buffer areas at their own cost while losing revenue. Buffers of up to a mile have been proposed. This can mean the loss of certain farms as many of our diversified ag farms are less than a mile in dimension. Note these are the commercial farms that provide crops that add to our local self-sufficiency, sustainability and economy. These farms have families that live on the farm and friends as

neighbors. Their children and friend's children attend the schools in the neighborhood. They live in the environment that this bill accuses them of contaminating. Does it make sense that they would put their workers, families and friends at risk? We can always improve how we do business. Focus should be on how we can improve practices rather than imposing these unreasonable punitive measures risking farms but not adding to public or environmental safety.

Regulation

Agricultural pesticides are registered for use by the EPA. Stricter requirements can be imposed by the State through a supplemental label process. The State is not allowed to modify the federal label but can require a "special local needs label". The State of Hawaii actively participates in this role. They have imposed restricted use status, a stricter category for purchase and use than for pesticides used by the homeowner. Most commonly it is associated with threats to groundwater contamination based on local hydrologic and geologic information.

The data required for pesticide registration by EPA is extensive. An example of toxicological data (only a fraction of the entire data package) associated with glyphosate is provided below. Additionally companies are required to update information and reevaluate risk as new data is available. Pesticides considered higher risk also undergo regular regulatory review by EPA requiring additional datasets. This costs millions of dollars far beyond the capacity of state or county governments.

Risk

Farmers and ranchers take seriously their responsibility in the use of pesticides. They recognize that responsible use is paramount to having this important tool available when needed. Living in a tropical environment with year round conditions that foster not only plant growth but that of weeds, insects and diseases creates many challenges compared to those living in temperate areas of the country. Frost and snow serve a role in killing pests. Life cycles are disrupted and exponential increases in pest populations do not occur. In the tropics this is common, making pests a significant factor to farm viability. Without pesticides, viable farms and ranches will be impossible. Even organic operations use pesticides – without them, manual killing of pests are the only means of control. Statements about the inadequacy of testing of commercial pesticides have

occurred. The following is a comparison of testing data for Roundup PowerMax (glyphosate) a widely used conventional herbicide vs. Clove Oil an approved organic pesticide with weed and insect control as well as rodent avoidance properties.

Clove Oil:

Toxicological Data on Ingredients: Clove oil: ORAL (LD50): Acute: 2650 mg/kg [Rat].

Section 3: Hazards Identification

Potential Acute Health Effects:

Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. Inflammation of the eye is characterized by redness, watering, and itching. Skin inflammation is characterized by itching, scaling, reddening, or, occasionally, blistering.

Potential Chronic Health Effects:

Very hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation. CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Not available. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. The substance is toxic to the nervous system, mucous membranes. Repeated or prolonged exposure to the substance can produce target organs damage. Repeated or prolonged inhalation of vapors may lead to chronic respiratory irritation.

Section 11: Toxicological Information

Routes of Entry: Eye contact. Inhalation. Ingestion.

Toxicity to Animals: Acute oral toxicity (LD50): 2650 mg/kg [Rat].

Chronic Effects on Humans: The substance is toxic to the nervous system, mucous membranes.

Other Toxic Effects on Humans: Very hazardous in case of skin contact (irritant), of ingestion, of inhalation.

Special Remarks on Toxicity to Animals: Not available.

Special Remarks on Chronic Effects on Humans: Not available.

Special Remarks on other Toxic Effects on Humans: Not available.

Section 12: Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation:

Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

Toxicity of the Products of Biodegradation: The products of degradation are more toxic.

Special Remarks on the Products of Biodegradation: Not available.

Roundup PowerMax (glyphosate)

Skin irritation

Rabbit, 3 animals, OECD 404 test:

Days to heal: 7

Primary Irritation Index (PII): 1.9/8.0

Slight irritation.

FIFRA category IV.

Eye irritation

Rabbit, 3 animals, OECD 405 test:

Days to heal: 10

Moderate irritation.

FIFRA category III.

Similar formulation

Acute oral toxicity

Rat, LD50: > 5,000 mg/kg body weight

Practically non-toxic.

FIFRA category IV.

Acute dermal toxicity

Rat, LD50: > 5,000 mg/kg body weight

Practically non-toxic.

FIFRA category IV.

Acute inhalation toxicity

Rat, LC50, 4 hours, aerosol:

Practically non-toxic.

FIFRA category IV.

No 4-hr LC50 at the maximum tested concentration. For purposes of the inhalation test, product was artificially aerosolized. Since this material will not become aerosolized to a hazardous concentration during transport, it is classified as non-hazardous under the transportation regulations in accordance with 2.6.2.2.4.7(b) and (c) of the UN Recommendations on the Transport of Dangerous Goods.

Skin sensitization

Guinea pig, 3-induction Buehler test:

Positive incidence: 0 %

N-(phosphonomethyl)glycine; { glyphosate}

Mutagenicity

In vitro and in vivo mutagenicity test(s):

Not mutagenic.

Repeated dose toxicity

Rabbit, dermal, 21 days:

NOAEL toxicity: > 5,000 mg/kg body weight/day

Target organs/systems: none

Other effects: none

Rat, oral, 3 months:

NOAEL toxicity: > 20,000 mg/kg diet

Target organs/systems: none

Other effects: none

Chronic effects/carcinogenicity

Rat, oral, 24 months:

NOAEL toxicity: ~ 8,000 mg/kg diet

Target organs/systems: eyes

Other effects: decrease of body weight gain, histopathologic effects

NOEL tumour: > 20,000 ppm

Tumours: none

Toxicity to reproduction/fertility

Rat, oral, 2 generations:

NOAEL toxicity: 10,000 ppm

NOAEL reproduction: > 30,000 mg/kg diet

Target organs/systems in parents: none

Other effects in parents: decrease of body weight gain

Target organs/systems in pups: none

Other effects in pups: decrease of body weight gain

Effects on offspring only observed with maternal toxicity.

Developmental toxicity/teratogenicity

Rat, oral, 6 - 19 days of gestation:

NOAEL toxicity: 1,000 mg/kg body weight

NOAEL development: 1,000 mg/kg body weight

Other effects in mother animal: decrease of body weight gain, decrease of survival

Developmental effects: weight loss, post-implantation loss, delayed ossification

Effects on offspring only observed with maternal toxicity.

Rabbit, oral, 6 - 27 days of gestation:

NOAEL toxicity: 175 mg/kg body weight

NOAEL development: 175 mg/kg body weight

Target organs/systems in mother animal: none

Other effects in mother animal: decrease of survival

Developmental effects: none

Surfactant

Mutagenicity

Ames test(s):

Not mutagenic with and without metabolic activation.

In vitro chromosomal aberration test(s):

Not mutagenic with and without metabolic activation.

Repeated dose toxicity

Rat, oral, 13 weeks:

NOEL toxicity: 100 mg/kg diet

Other effects: decrease of body weight gain, decrease of food consumption

Developmental toxicity/teratogenicity

Rat, oral, 6 - 15 days of gestation:

NOAEL toxicity: 25 mg/kg body weight

NOAEL development: 75 mg/kg body weight

Other effects in mother animal: weight loss, decrease of food consumption, decrease of body weight gain

Developmental effects: weight loss, delayed ossification

Effects on offspring only observed with maternal toxicity.

Surfactant(s)

EXPERIENCE WITH HUMAN EXPOSURE

Skin contact, short term.:

Skin effects: irritation, redness

Eye contact, short term.:

Eye effects: irritation, eye inflammation (conjunctivitis), tearing (lachrymation)

Ingestion, short term.:

Gastro-intestinal effects: nausea/vomiting, diarrhoea

12. ECOLOGICAL INFORMATION

This section is intended for use by ecotoxicologists and other environmental specialists.

Data obtained on similar products and on components are summarized below.

Similar formulation

Aquatic toxicity, fish

Bluegill sunfish (*Lepomis macrochirus*):

Acute toxicity, 96 hours, static, LC50: 5.2 mg/L

Moderately toxic.

Common carp (*Cyprinus carpio*):

Acute toxicity, 96 hours, static, LC50: 4.0 mg/L

Moderately toxic.

Aquatic toxicity, invertebrates

Water flea (*Daphnia magna*):

Acute toxicity, 48 hours, static, EC50: 8.0 mg/L

Moderately toxic.

Similar formulation

Aquatic toxicity, algae/aquatic plants

Green algae (*Selenastrum capricornutum*):

Acute toxicity, 72 hours, static, EC50: 0.46 mg/L

Highly toxic.

Avian toxicity

Bobwhite quail (*Colinus virginianus*):

Acute oral toxicity, single dose, LD50: > 2,250 mg/kg body weight

Practically non-toxic.

Arthropod toxicity

Honey bee (*Apis mellifera*):

Oral, 48 hours, LD50: > 281 µg/bee

Practically non-toxic.

Honey bee (*Apis mellifera*):

Honey bee (*Apis mellifera*):

Oral, 48 hours, LD50: > 281 µg/bee

Practically non-toxic.

Honey bee (*Apis mellifera*):

MONSANTO COMPANY
Roundup PROMAX® Herbicide

Version: 2.0

Page:
Effective date: 07/2

Contact, 48 hours, LD50: > 273 µg/bee

Practically non-toxic.

Soil organism toxicity, invertebrates

Earthworm (*Eisenia foetida*):

Acute toxicity, 14 days, LC50: > 10,000 mg/kg dry soil

Practically non-toxic.

Soil organism toxicity, microorganisms

Nitrogen and carbon transformation test:

29.5 kg/ha, 28 days: Less than 25% effect on nitrogen or carbon transformation processes in soil.

N-(phosphonomethyl)glycine; { glyphosate}

Avian toxicity

Bobwhite quail (*Colinus virginianus*):

Dietary toxicity, 5 days, LC50: > 4,640 mg/kg diet

No more than slightly toxic.

Mallard duck (*Anas platyrhynchos*):

Dietary toxicity, 5 days, LC50: > 4,640 mg/kg diet

No more than slightly toxic.

Bobwhite quail (*Colinus virginianus*):

Acute oral toxicity, single dose, LD50: > 3,851 mg/kg body weight

Practically non-toxic.

Mallard duck (*Anas platyrhynchos*):

Dietary toxicity, 5 days, LC50: > 4,640 mg/kg diet

No more than slightly toxic.

Bobwhite quail (*Colinus virginianus*):

Acute oral toxicity, single dose, LD50: > 3,851 mg/kg body weight

Practically non-toxic.

Bioaccumulation

Bluegill sunfish (*Lepomis macrochirus*):

Whole fish: BCF: < 1

No significant bioaccumulation is expected.

Dissipation

Soil, field:

Half life: 2 - 174 days

Koc: 884 - 60,000 L/kg

Adsorbs strongly to soil.

Water, aerobic:

Half life: < 7 days

First, clove oil has an LD50 of 2650 vs. >5000 for glyphosate. LD50 or lethal dose 50 defines the amount of chemical needed to kill 50% of the population of rats. The smaller the number the less it takes to kill or it is more toxic to rats.

In addition Roundup has an extensive set of test data documenting mammalian and environmental toxicity data. Clove oil has many test areas identified as “not available”, indicating that glyphosate is the compound with a more extensive completed testing protocol.

Under chronic human toxicity, **clove oil states that it is toxic to the nervous system and mucous membranes and the products of degradation are more toxic.** . – despite this statement, references to organic farming state:

Safe for the Environment

Clove oil breaks down quickly in the environment and has a low level of toxins, making it safe for organic agriculture. Because of its fungicidal, herbicidal and insecticidal properties, clove oil is used as a natural ingredient in pest control products. Because it is an essential oil, it also won't have harmful effects on the atmosphere when used in sprays.

Effects on the nervous system are the concern relating to the insecticide chlorpyrifos, and one targeted by this bill. Yet clove oil that is documented to cause the same reaction under chronic exposure does not have similar requirements. Also, clove oil is stated to be “very hazardous in case of skin or eye contact” yet the statement above claims that there will be no harmful effects on the atmosphere when used in sprays without noting the effect on contact with skin or eyes. Shouldn't decisions be done based on data – not perception? We agree care needs to be taken when using chlorpyrifos ..this is why there are specific instructions on the labels, far more restrictive than that for clove oil.

Pesticides are commonly used not only in agriculture but around the home and areas outside of agriculture. In all of these areas they are an important tool, controlling rodents and insects that can be disease vectors and damage property as well as reducing pathogens that cause diseases. Exposure to pesticides can occur in all of these areas, and often at greater risk as “if little works, more is better” mentality is common in the lay population. Statistics by the National Capital Poison Center clearly show that toxics other than from agricultural sources are the greater risk, causing illnesses and death. The 2013 data from Washington DC Metro, an area without agriculture demonstrates the various sources of

exposure causing illness. All of these sources are common around Hawaii and there is no reason to believe that the risk is any less in our islands.

Most Common Poison Exposures for Young Children and Adults National Capital Poison Center, 2013			
Children < 6 Years (16,655 Exposures)		Adults 20 and Older (15,567 Exposures)	
Substance	No.	Substance	No.
Cosmetics/personal care products	2,541	Pain relievers	2,763
Cleaners	1,758	Sedatives/hypnotics/antipsychotics	1,994
Pain medications	1,495	Cleaning substances	1,486
Foreign bodies	1,359	Antidepressants	1,307
Topical medicines	963	Cardiovascular drugs	1,186
Vitamins	808	Alcohols	1,120
Antihistamines	793	Stimulants and street drugs	739
Batteries	672	Pesticides	726
Plants and mushrooms	537	Anticonvulsants	637
Antimicrobials	509	Antihistamines	635
Pesticides	470	Cosmetics/personal care products	634
Arts/crafts/office supplies	447	Fumes/gases/vapors	621
Gastrointestinal preparations	393		

These statistics demonstrate that there are serious risks in our environment. The pesticides referenced are household pesticides and the most common exposure by ingestion. Assuming that agricultural pesticides through environmental exposure pose an unreasonable risk is not warranted.

The real risk to schools has been from the community.

On Monday, a pesticide odor in Ewa Beach affected three schools, Pohakea Elementary, Kaimiloa Elementary and Campbell High School. Kids were kept inside classrooms for about an hour after a nearby homeowner sprayed the pesticide melathion on his lawn.

This was only one of multiple such incidents. It is obvious that pesticide public education is sorely needed.

This measure assumes that entities that use large quantities of pesticides provide greater risk. Large purchase and use amounts are associated with hundreds and even tens of thousands of acres of production. These commercial entities take serious responsibility for their actions. The law has significant punitive measures for those that do not follow the label. Drawing risk conclusions from purchase and use quantities without relating them to area applied does not make sense. This bill speaks to neurotoxins or those that cause damage to the nervous system. When multiple pesticides are used on a farm based on pest problems present and

the threshold of damage considered to be intolerable; every acre is not equally treated. If insect pests that require the neurotoxin for control are not present, the pesticide is not used. Assuming that pesticides are used equally all the times goes against the concept of integrated pest management practiced by our farmers and ranchers.

We agree that improvements in application methods and identification of practices that can reduce pesticide use are needed. We also agree that a robust regulatory framework is in the best interest of the people of Hawaii. Therefore we strongly advocate the passage of HB504 to provide these tools and appreciate the House Agriculture Committee for advancing the measure.

HB1514HD1 is based on erroneous assumptions, does not take available risk data into account and chooses to selectively use reports to create fear without using them in the context they were presented. At the same time it places real farms in jeopardy. Statistical data shows that unemployment is a serious health risk and experience on the Big Island after the closure of the sugar plantations provides ample evidence that this is true. This can be an unintended impact of this measure in rural Hawaii. For these reasons, we respectfully request that this bill be held.

Thank you for this opportunity to provide our opinion on this important matter.

Kauai County Farm Bureau

Affiliated with Hawaii Farm Bureau Federation

P.O. Box 3895, Lihue HI 96766-6895

808-855-5429

admin@kauaicountyfarmbureau.org

The Voice of Kauai's Agriculture



**KAUAI COUNTY
FARM BUREAU**

TESTIMONY

Date: Thursday, February 19, 2015

Time: 8:30am

Place: Conference Room 312, State Capitol

February 18, 2015

Honorable Representative Cliff Tsuji, Chair

Vice Chair Richard Onishi & Members

Committee on Agriculture

Hawaii State House of Representatives

Honolulu, HI 96813

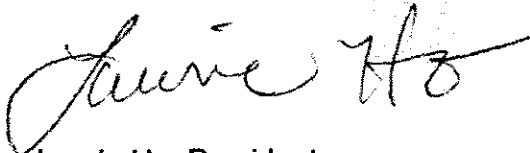
Dear Chair Tsuji and Vice Chair Onishi and Members

RE: HB 1514 Relating to Buffer Zones

Aloha! I am writing in OPPOSITION of HB1514. The Kauai County Farm Bureau represents 250+ members.

We oppose this bill as it unfairly targets farmers & agriculture. Our farmers are stewards of our land and water resources and we understand the need for crop protection methods. It's everyone's duty to use pesticides responsibly. Farmers and Agriculture are not the enemy.

Mahalo Nui Loa for the opportunity to voice our opinion,



Laurie Ho, President

"Kauai County Farm Bureau (KCFB) cultivates a thriving and prosperous agricultural sector, firmly rooted in the community, by working collaboratively to build long term support and providing a respected voice for Agriculture on Kauai" adopted June 2012

From: Jeanine Acia <acias3@msn.com>
Sent: Monday, February 16, 2015 11:59 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Jeanine Acia

Keaau, HI 96749

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 1:38 PM
To: AGRtestimony
Cc: alohamelissag@hotmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
melissa anderson	Individual	Support	No

Comments: Please support this bill. Our keiki deserve to be protected from harmful pesticides.
Mahalo

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

Do not reply to this email. This inbox is not monitored. For assistance please email webmaster@capitol.hawaii.gov

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 2:05 PM
To: AGRtestimony
Cc: RicAndrews@hawaii.rr.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Richard Andrews, M.D.	Individual	Support	No

Comments: As a physician and a father of two children, I **STRONGLY** support HB1514. There is no question in my mind that contact with pesticides is harmful to humans (and other animals), particularly to children. I also believe that corporations have time and again (and again) mislead, minimized or outright lied about the harmful effects of pesticides. Alas, it is happening yet again. I call on our elected representatives to do the right thing, not be influenced by corporate money, and not only establish significant protections from pesticide drift, but force corporations to list what they are spraying and to insist that GMO food be clearly labelled. Thank you for your consideration.

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 12:40 PM
To: AGRtestimony
Cc: angkpix@hotmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
ANGELA	Individual	Comments Only	No

Comments: I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides. HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift. Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children. In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas. The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use. I urge you to vote Yes on HB 1514 Thank you for the opportunity to provide testimony.

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Do not reply to this email. This inbox is not monitored. For assistance please email webmaster@capitol.hawaii.gov

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 5:03 PM
To: AGRtestimony
Cc: kaloli.pt@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Ann Strong	Individual	Support	No

Comments:

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

Do not reply to this email. This inbox is not monitored. For assistance please email webmaster@capitol.hawaii.gov

From: pedro armington <surfingpedro@yahoo.com>
Sent: Monday, February 16, 2015 12:35 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

pedro armington

koloa, HI 96756

FEBRUARY 19, 2015
HEARING BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE
TESTIMONY ON HB 1514, HD 1
RELATING TO PESTICIDES
ROOM 312
8:30 AM

Aloha Chair Tsuji, Vice Chair Onishi, and Members of the Committee,

I strongly oppose HB 1514, HD 1, which requires mandatory disclosure and notification of outdoor pesticide use by specified schools, child care facilities, early childhood education and care facilities, family child care homes, group child care centers, group child care homes, and commercial agricultural entities.

This bill sets up a new, unfunded, and arbitrary State pesticide use system to replace decades of U.S. EPA and Hawaii Department of Agriculture expertise. Registering a pesticide is a science based process which encompasses a 5-10 year process of research and evaluation. Law dictates that the US EPA must first determine that no harm will result from legal use of a pesticide before registering that product. Once federally registered, the Hawaii Department of Agriculture conducts numerous reviews to ensure compliance with state law and Hawaii specific environmental concerns. Both the federal and State government dictate how each pesticide is used and what notification, worker protection, buffers, and recordkeeping are required.

HB 1514 will take farm land out of production, increase costs, and make it even more difficult to farm in Hawaii.

An alternative House bill is also being heard this morning, HB 504. It presents an opportunity to increase funding and expand the authority of the Department of Agriculture Pesticide Branch. That bill will enhance the ability of the agency with expertise in this area to address pesticide concerns and ensure public safety while allowing agriculture to remain viable in Hawaii.

Please oppose HB 1514, HD 1.

Mahalo,



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Please oppose HB 1514, HD 1.

Mahalo,

David Ota
 91 Awapuhi St
 Hilo, HI 96720

FEBRUARY 19, 2015
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HOUSE COMMITTEE ON AGRICULTURE

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Please oppose HB 1514, HD 1.

Mahalo,

(Name)

(Address)

RAWDAN S AKAO
601 KUPULU RUA
HILO HI 96720



FEBRUARY 19, 2015
HEARING BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE
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Please oppose HB 1514, HD 1.

Mahalo,

Emily Taaroa

PO Box 492552

Keaau, Hawaii 96749



FEBRUARY 19, 2015
HEARING BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE
TESTIMONY ON HB 1514, HD 1
RELATING TO PESTICIDES
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Please oppose HB 1514, HD 1.

Mahalo,


**Daria L Joaquin
164 Hoomalu St
Hilo, Hawaii 96720**

FEBRUARY 17, 2015

HEARING BEFORE THE
HOUSE COMMITTEE ON HIGHER EDUCATION

TESTIMONY ON HB 504, HD 1
RELATING TO PESTICIDES

ROOM 309
2:00 PM

Aloha Chair Choy, Vice Chair Ichiyama and Members of the Committee

I am in strong support of HB 504, which increases the technical and outreach capacity of the Pesticides Branch at the Hawaii Department of Agriculture and UH- College of Tropical Agriculture.


Hawaii's agricultural industry has become a clear cut target when it comes to pesticide issues. Pesticides are not only used in agriculture, but in many areas of our daily lives, including, but not limited to homes, businesses, schools, parks, roadways, swimming pools, forests and watersheds. Improper use in any of these arenas can result in harm, much like an improper dosage of medicine can be harmful. When used properly, pesticides are valuable tools that can protect humans, pets, livestock, wildlife, crops as well as the environment.

HDOA and CTAHR personnel and capabilities have been significantly reduced due to State economic hardships. This has eroded their ability to provide accurate and timely information to policymakers and the public. Two positions are key in this bill. One is a new position for an environmental toxicologist in HDOA. The other is a pesticide extension specialist. Furthermore, the measure provides for education and training in partnership with UH CTAHR. This bill will provide a proactive approach to pesticide regulation, outreach, education, and funding.

Let us look to support the agricultural industry with measures that seek to be proactive and positive for a well-balanced approach to what has become a controversial issue.

Please support HB 504, HD 1

Mahalo for your support.



Daria L. Joaquin
164 Hoomalu St
Hilo, Hawaii 96720

FEBRUARY 19, 2015
 HEARING BEFORE THE
 HOUSE COMMITTEE ON AGRICULTURE
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Mahalo,

Jeffrey S. Gabelner
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Puna District
Big Island

FEBRUARY 19, 2015
HEARING BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE
TESTIMONY ON HB 1514, HD 1
RELATING TO PESTICIDES
ROOM 312
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Mahalo,

Abby Okimura

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Hilo, Hawaii

Pc

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Hilo
Big Island, Hawaii

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Kau Hawaii

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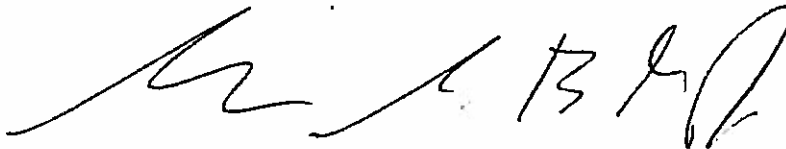
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Mahalo,

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Kau Hawaii

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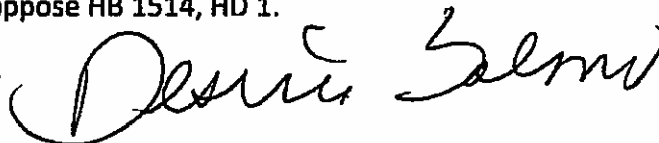
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Mahalo,

Riley Lewis
Kau Hawaii

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Mahalo,

Vivian L. Pasquillo
Kau Hawaii

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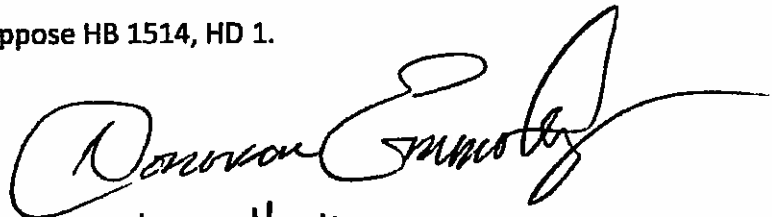
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Mahalo,

Dea Daria-Mitchell
Law Hawaii

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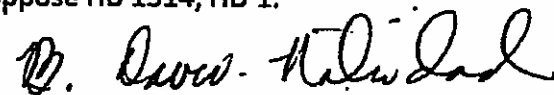
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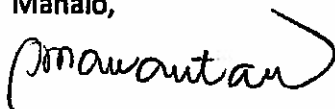
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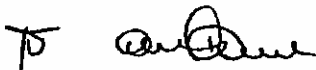
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Mahalo,

M.B.
Marlon Biazon
Kau Hawaii

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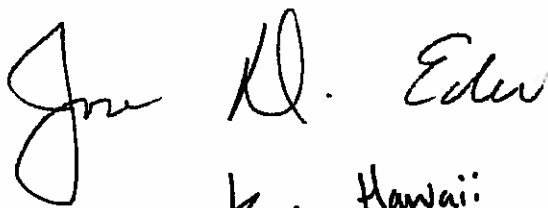
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Mahalo,


Jon R. Eder
Kau Hawaii

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Mahalo, 

R.Y. Pahala Hawaii

FEBRUARY 19, 2015

HEARING BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

TESTIMONY ON HB 1514, HD 1
RELATING TO PESTICIDES

ROOM 312

8:30 AM

Aloha Chair Tsuji, Vice Chair Onishi, and Members of the Committee,

I strongly oppose HB 1514, HD 1, which requires mandatory disclosure and notification of outdoor pesticide use by specified schools, child care facilities, early childhood education and care facilities, family child care homes, group child care centers, group child care homes, and commercial agricultural entities.

This bill sets up a new, unfunded, and arbitrary State pesticide use system to replace decades of U.S. EPA and Hawaii Department of Agriculture expertise. Registering a pesticide is a science based process which encompasses a 5-10 year process of research and evaluation. Law dictates that the US EPA must first determine that no harm will result from legal use of a pesticide before registering that product. Once federally registered, the Hawaii Department of Agriculture conducts numerous reviews to ensure compliance with state law and Hawaii specific environmental concerns. Both the federal and State government dictate how each pesticide is used and what notification, worker protection, buffers, and recordkeeping are required.

HB 1514 will take farm land out of production, increase costs, and make it even more difficult to farm in Hawaii.

An alternative House bill is also being heard this morning, HB 504. It presents an opportunity to increase funding and expand the authority of the Department of Agriculture Pesticide Branch. That bill will enhance the ability of the agency with expertise in this area to address pesticide concerns and ensure public safety while allowing agriculture to remain viable in Hawaii.

Please oppose HB 1514, HD 1.

Mahalo,

Rochelle Abero
Pahala

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Please oppose HB 1514, HD 1.

Mahalo,

Imelda Asistiri

Pahala

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Mahalo,

*Respectfully,
(Mahalo)*

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Mahalo,

*Jerry Fat mo
(naale hu)*

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Mahalo,

Norma Sugintan
Pahala

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Mahalo,

Carmen A. Estanew
Pahala

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Mahalo,

*Elizabeth B. Sebastian
Palala, Hawaii 96777*

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Mahalo,

*Elizabeth L. Aurelio
Paahala, Hawaii 96777*

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Please oppose HB 1514, HD 1.

Mahalo,

Malcolm Pit

Pahala Anwan 96737

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Mahalo,

Cristina Pacheco
Pacheco

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Mahalo,

Adela Fukunaga
P.O. Box 482
Pahala, HI. 96777

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Mahalo,

*Rosita Castillo
P.O. Box 15
Pahala, Hi. 96777*

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Mahalo,

Solstad V. Barrows
Nā'ālehu

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Mahalo,

Hermina V. Bavior
Naalihi

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Mahalo,

Melvin Davis Jr.
Kau Hawaii

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Mahalo, *Stanley Dallo*
Stanley Dallo
Kau Hawaii

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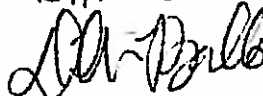
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Mahalo,

Dillin Ballb


Kau Hana..

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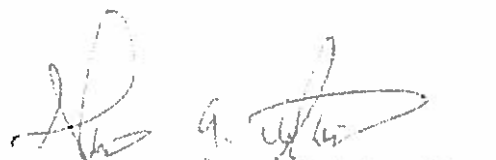
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Please oppose HB 1514, HD 1.

Mahalo,


SHANE A. AGUSTIN
Kau Hawaii

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Mahalo,


Ron Hoadley
Kau Hawaii

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Please oppose HB 1514, HD 1.

Mahalo,


Ken Fegredo
Ken Hawaii

FEBRUARY 19, 2015

HEARING BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

TESTIMONY ON HB 1514, HD 1
RELATING TO PESTICIDES

ROOM 312

8:30 AM

Aloha Chair Tsuji, Vice Chair Onishi, and Members of the Committee,

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Mahalo,

Victoriano Sonajo Jr.
Kau Hawaii

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Mahalo,

Aleli Songay

Kau Hawaii

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Mahalo,

Edfernia C. Carpuz
Kau Hawaii

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Mahalo,

Leonida Edce
Kau Hawaii

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Mahalo,

Higinio A. Eder
Kau Hawaii

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Mahalo,

Pilar C. Abernethy
Kau Hawaii

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Mahalo, *Zosima Tabilin*
Kau Hawaii

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Mahalo,
Feliceina Kamai
Kau Hawaii

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Mahalo,

Yolanda Norbert

Kau Hawaii

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Mahalo,



Joseph R. Dominguez
Kau Hawaii

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Mahalo,

Smanzaba

Kau Hawa..

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Mahalo,

BDNIFACIO ECHAVAS

Kau Hawaii

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Mahalo,

Mary K. O'Connell

Kau Hawaii

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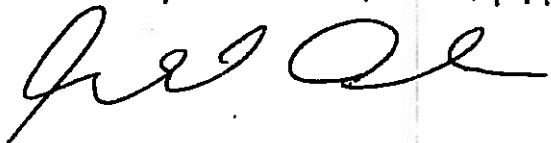
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PAHALA HI. MARK ERNO AURELIO


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Please oppose HB 1514, HD 1.

Mahalo,

(Name)

(Address)

[Handwritten Signature]
ALEXANDER G. DOMESTICO
P.O. BOX 957 PAHALA HAWAII
96777.

FEBRUARY 19, 2015

HEARING BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

TESTIMONY ON HB 1514, HD 1
RELATING TO PESTICIDES

ROOM 312

8:30 AM

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Mahalo,

ROGELIO AQUINO

P.O. BOX 714

PAHALA HI 196777

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Mahalo

Reynaldo Jacinto Kean

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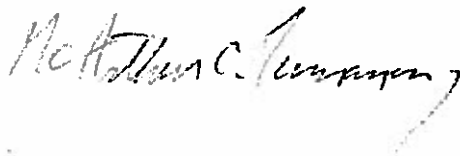
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Mahalo

Celestina Vidad
P.O. Box 494
Kepekeo

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Mahalo

Helen CARIN
106 Popolo St.
Honolulu HI 96720

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Mahalo

Cecilia Valerius
P.O. Box 773 Keaau
HI 96749

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Mahalo

Barbara Vidal

Kaunakakai

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Suean Daley
Mt. View, HI 96771

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Hilo, HI 96720

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Carl L. Perrine

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H1 to H1

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Mahalo



2-16-2015

Hi to Hi

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Mahalo

I ACB 420 ALEJANDRO OPPOSE HB 1514, HD 1
Alejo Alamo 2/16/15
Papakou Ihi

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Abel S. Hernandez
2-16-15

Kean Hi

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Jaime Aguinaldo


Hale Hi

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 2/18/15
Robert A.K. Neumann

He & Hi

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H16, H1

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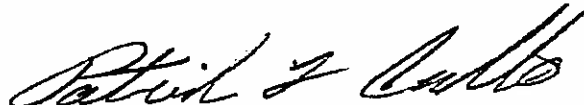
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H. C. Hi

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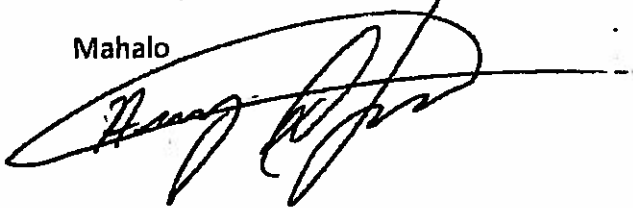
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Please oppose HB 1514, HD 1.

Mahalo



2-19-15

H16 H1

FEBRUARY 19, 2015

HEARING BEFORE THE
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M. UZAWA

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Mahalo *Walter Rezentes*
Hilo, 2554 Kilauea, ave

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Randall Namizola
P.O. Box 153
Kurtistown HI 96760

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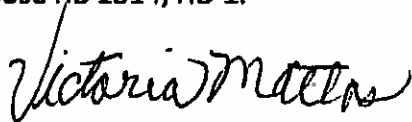
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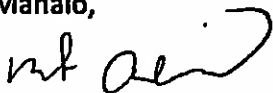
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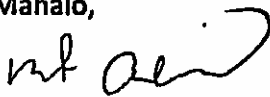
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Mahalo,

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Mahalo,



KAU, HI

FEBRUARY 19, 2015

HEARING BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

TESTIMONY ON HB 1514, HD 1
RELATING TO PESTICIDES

ROOM 312

8:30 AM

Aloha Chair Tsuji, Vice Chair Onishi, and Members of the Committee,

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Mahalo,

Aurora Biagon

KAM, HA

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Mahalo,

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KAM, HE

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Makalo,

Samoa Hano

KAM, HT

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Kauy, HI

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Mahalo, *Teresita Arce*

KAU, HI

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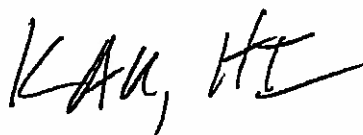
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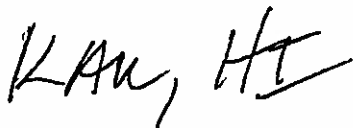
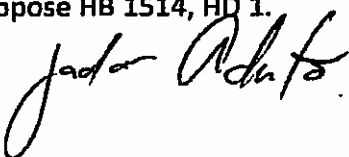
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Mahalo, e - *Barnes*

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KAY HI

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Mahalo, *Elvia P. Capuz*

KAA, HI

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Mahalo,

Virginia Casper

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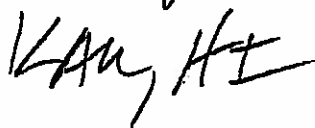
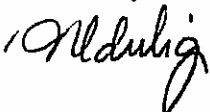
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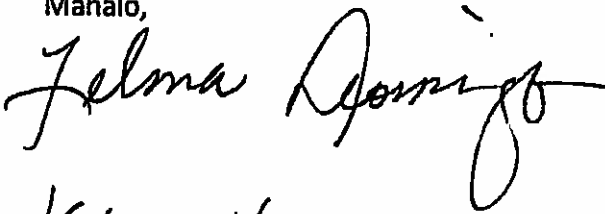
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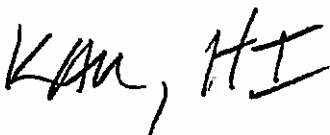
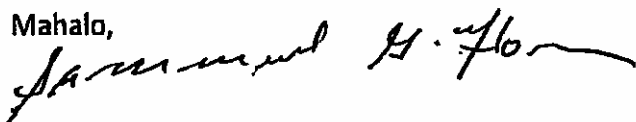
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Please oppose HB 1514, HD 1.

Mahalo,



FEBRUARY 19, 2015

HEARING BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

TESTIMONY ON HB 1514, HD 1
RELATING TO PESTICIDES

ROOM 312

8:30 AM

Aloha Chair Tsuji, Vice Chair Onishi, and Members of the Committee,

I strongly oppose HB 1514, HD 1, which requires mandatory disclosure and notification of outdoor pesticide use by specified schools, child care facilities, early childhood education and care facilities, family child care homes, group child care centers, group child care homes, and commercial agricultural entities.

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Mahalo,

Eugenio A. Cristofani

KAA, HI

FEBRUARY 19, 2015

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Mahalo, *Filiberto S. Cortes*

KAM, HI

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Please oppose HB 1514, HD 1.

Mahalo, *Seung S. Onishi*

KAN, HI

FEBRUARY 17, 2015

HEARING BEFORE THE
HOUSE COMMITTEE ON HIGHER EDUCATION

TESTIMONY ON HB 504, HD 1
RELATING TO PESTICIDES

ROOM 309
2:00 PM

Aloha Chair Choy, Vice Chair Ichiyama and Members of the Committee

I am in strong support of HB 504, which increases the technical and outreach capacity of the Pesticides Branch at the Hawaii Department of Agriculture and UH-College of Tropical Agriculture.

Hawaii's agricultural industry has become a clear cut target when it comes to pesticide issues. Pesticides are not only used in agriculture, but in many areas of our daily lives, including, but not limited to homes, businesses, schools, parks, roadways, swimming pools, forests and watersheds. Improper use in any of these arenas can result in harm, much like an improper dosage of medicine can be harmful. When used properly, pesticides are valuable tools that can protect humans, pets, livestock, wildlife, crops as well as the environment.

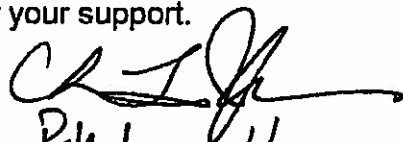
HDOA and CTAHR personnel and capabilities have been significantly reduced due to State economic hardships. This has eroded their ability to provide accurate and timely information to policymakers and the public. Two positions are key in this bill. One is a new position for an environmental toxicologist in HDOA. The other is a pesticide extension specialist. Furthermore, the measure provides for education and training in partnership with UH CTAHR. This bill will provide a proactive approach to pesticide regulation, outreach, education, and funding.

Let us look to support the agricultural industry with measures that seek to be proactive and positive for a well-balanced approach to what has become a controversial issue.

Please support HB 504, HD 1

Mahalo for your support.

(Name)
(Address)


Honolulu, HI

FEBRUARY 19, 2015

HEARING BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

TESTIMONY ON HB 1514, HD 1
RELATING TO PESTICIDES

ROOM 312

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Mahalo,



Pahala, HI 96711

FEBRUARY 19, 2015

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Mahalo,

Clyde Lilewa
P.O. Box 128
Pahala, HI 96777

FEBRUARY 19, 2015

HEARING BEFORE THE
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Please oppose HB 1514, HD 1.

Mahalo,



Patricia

Amelita C. Bader

96-3140 Paha'a H.

FEBRUARY 19, 2015

HEARING BEFORE THE
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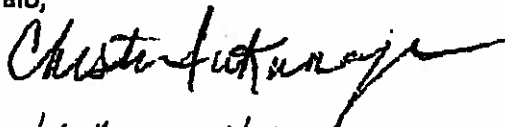
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Please oppose HB 1514, HD 1.

Mahalo,


KAK, HT

FEBRUARY 19, 2015

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Please oppose HB 1514, HD 1.

Mahalo,

Marilyn Badua
Pahala Hi

FEBRUARY 19, 2015
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Please oppose HB 1514, HD 1.

Mahalo,

*Melba Cardenas
Pahala Hi*

FEBRUARY 19, 2015

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Mahalo,

JAY JARA

Nalehu

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Mahalo,

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Mahalo,

Emella Bishop
P.O. Box 223
Nanakuli, HI, 96992

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Mahalo,

Francisca delos Santos
P.O. Box 921
Pahala, HI 96777

From: cheryl atalig <cherylmtsuyama@yahoo.com>
Sent: Monday, February 16, 2015 11:57 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

cheryl atalig

kamuela, HI 96743

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 7:24 AM
To: AGRtestimony
Cc: ejhayden1@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Erin Baldauf	Individual	Support	No

Comments:

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

Do not reply to this email. This inbox is not monitored. For assistance please email webmaster@capitol.hawaii.gov

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In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Carol Beardmore

Kapaa, HI 96746

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 10:15 AM
To: AGRtestimony
Cc: hooluanaranch@yahoo.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Luana Beck	Individual	Oppose	No

Comments:

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From: Virginia Bennett <vbennett@hawaii.edu>
Sent: Monday, February 16, 2015 12:47 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Virginia Bennett

Honolulu, HI 96822

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 9:53 AM
To: AGRtestimony
Cc: rbergstrom@surfrider.org
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Rafael Bergstrom	Individual	Support	No

Comments: Aloha AGR Committee Members, I would like to voice my strong support for HB1514. It is so important that we do all that we can to protect our future generations from unnecessary exposure to chemicals and pesticides. Over time we have come to realize the serious public and environmental health threat that such agents have in our society today. Its important that we continue to put the burden of proof on the industry and not wait for the effects to show up in our population first. Having buffer zones around our schools and parks where children play should be an unquestionable move in regards to pesticide use. Please strongly consider the protection of our future generations and pass this bill. Thank you for your time.

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 2:41 PM
To: AGRtestimony
Cc: mmb246@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Mitch Berman	Individual	Support	No

Comments: So important for our children. Should also be public health study around schools. School personnel report surprising large number of autistic students living in pesticide areas. We need to protect our children.

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 13, 2015 5:02 PM
To: AGRtestimony
Cc: patriciablair@msn.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/13/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Patricia Blair	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 6:10 PM
To: AGRtestimony
Cc: madcower@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Bryce Boeder	Individual	Support	No

Comments: I live across the river and downwind from Pioneer Research Facility in Waimea Kauai where they test and research poison resistant varieties of corn with heavy poison and chemical fertilizer inputs in monoculture style farming which tends to leave the soil open and bare. There have been 2 well documented incidents of children being poisoned from spray drift at Waimea Canyon school by Syngenta. There have also been many valley residents who have experienced toxic dust being blown into their homes from the fields across the river. Right now they are growing corn right up to the edge of the cliff. I think a mile away from homes would be more than reasonable considering the average wind speed here is 14mph.

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From: Joe and Lisa Bollinger <Bollie_90254@yahoo.com>
Sent: Monday, February 16, 2015 4:33 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Joe and Lisa Bollinger

Kamuela, HI 96743

From: kris bordessa <kgirl766@yahoo.com>
Sent: Monday, February 16, 2015 3:10 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

kris bordessa

Honokaa, HI 96727

From: Jonathan Boyne <boyne@hawaii.edu>
Sent: Monday, February 16, 2015 4:46 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Jonathan Boyne

Honolulu, HI 96822

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 14, 2015 2:17 PM
To: AGRtestimony
Cc: rob@browerhomes.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/14/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
robert brower	Individual	Support	No

Comments: My family and I strongly support this common sense measure. Simply read the labels on these restricted use pesticides, research the amount of days per year the wind blows over 15MPH, and then go to the Pioneer Dupont forced legal disclosure of how often RUP's were sprayed on the west side of Kauai. In Europe, where 2 of these companies are headquartered, this type of spraying must be done in a bio bubble. If, in Hawaii, we are going to be backwards enough to even let them emit these poisons into the open air, at least keep a statutory buffer zone around innocent people in the community.

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 13, 2015 7:14 PM
To: AGRtestimony
Cc: mariealohalani@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/13/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Marie Alohani Brown	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 4:30 PM
To: AGRtestimony
Cc: billcarlile@aol.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
JANE CARLILE	Individual	Support	No

Comments: Is there any question that children should be protected from pesticide drift? The only question is how and from how far away. That should be decided by science not emotion. This bill is a first step. Please pass this bill or a credible substitute to address this issue on our small island.

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From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 14, 2015 7:11 AM
To: AGRtestimony
Cc: Anandaloha@aol.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/14/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Suzanne Case	Individual	Support	No

Comments: Please do everything in your power to establish buffer zones. There is no reason to think of them as condemned areas when native plants can be used in those zones to help protect soil. Also trees and tall shrubs can be grown and would be a line of defense which would help to establish data for measuring cumulative pesticide drift. Thank you for considering this important bill.

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 2:39 PM
To: AGRtestimony
Cc: charlottetcasey@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
charlotte casey	Individual	Support	No

Comments: As a resident of the Westside of Kauai, I support this bill. We SHOULD have buffer zones around these research crops as a small measure to protect our Keiki and Kapuna. We don't know what they are spraying OR what the long term effects are on our children's health. The won't tell us but our health professionals have spoken and we need to listen. The Westside of Kauai is suffering. Good, hard working families are leaving, choosing "safer" schools and residences away from Biotech's fields. Ask Waimea High school what their latest enrollment numbers look like. This bill needs to pass as a start to resurrecting the Westside and giving it a future. Mahalo.

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From: Yvette Celiz <yvette.celiz@gmail.com>
Sent: Monday, February 16, 2015 6:04 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Yvette Celiz

Lahaina, HI 96761

From: jade chabg <jadchang@gmail.com>
Sent: Monday, February 16, 2015 11:16 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

jade chabg

Honolulu, HI 96822

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 4:33 PM
To: AGRtestimony
Cc: kahiwal@cs.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Clarence Ching	Individual	Support	No

Comments: The world environment (and especially ours) is full of toxicity that, among other things, is not protect our keiki and kupuna. As a kupuna of 78 years, I need the protections that you have the power to render. The keiki, especially infants, are defenseless . They need your protection also. So do the conservative thing and do the job that you are sworn to do. Defend the Constitutions and do your job to protect all the freedoms.

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 11:47 AM
To: AGRtestimony
Cc: cjohnson@rhomac.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
chris	Individual	Comments Only	No

Comments: Aloha Chair Tsuji, Vice Chair Onishi, and Members of the Committee, I strongly oppose HB 1514, HD 1, which requires mandatory disclosure and notification of outdoor pesticide use by specified schools, child care facilities, early childhood education and care facilities, family child care homes, group child care centers, group child care homes, and commercial agricultural entities. This bill sets up a new, unfunded, and arbitrary State pesticide use system to replace decades of U.S. EPA and Hawaii Department of Agriculture expertise. Registering a pesticide is a science based process which encompasses a 5-10 year process of research and evaluation. Law dictates that the US EPA must first determine that no harm will result from legal use of a pesticide before registering that product. Once federally registered, the Hawaii Department of Agriculture conducts numerous reviews to ensure compliance with state law and Hawaii specific environmental concerns. Both the federal and State government dictate how each pesticide is used and what notification, worker protection, buffers, and recordkeeping are required. HB 1514 will take farm land out of production, increase costs, and make it even more difficult to farm in Hawaii. An alternative House bill is also being heard this morning, HB 504. It presents an opportunity to increase funding and expand the authority of the Department of Agriculture Pesticide Branch. That bill will enhance the ability of the agency with expertise in this area to address pesticide concerns and ensure public safety while allowing agriculture to remain viable in Hawaii. Please oppose HB 1514, HD 1. Mahalo, Chris J Pahala

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From: Leslie Colter <Nobodyom@aol.com>
Sent: Monday, February 16, 2015 11:17 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Leslie Colter

Pahoa, HI 96778

From: Delbert Contival <dcontival@hawaii.rr.com>
Sent: Monday, February 16, 2015 3:12 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Delbert Contival

Kalaheo, HI 96741

From: David Contreras <dodgerblu6@gmail.com>
Sent: Monday, February 16, 2015 12:04 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

David Contreras

Volcano, HI 96785

From: Simone Correa <correasimone@hotmail.com>
Sent: Monday, February 16, 2015 6:07 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Simone Correa

Honolulu, HI 96813

onishi3 - Timothy

From: Nikita Coulombe <Nikita.coulombe@gmail.com>
Sent: Monday, February 16, 2015 11:40 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514, which will significantly increase protections of people living in Hawaii and natural resources from exposure to harmful pesticides.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

Nikita Coulombe

Waialua, HI 96791

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 1:27 PM
To: AGRtestimony
Cc: akamaimom@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Felicia Cowden	Individual	Support	Yes

Comments: Please support Hawaii House Bill 1514 HD1 requiring pesticide disclosure and buffer zones near schools and sensitive areas. This is a minimum step toward safety against known dangerous Restricted Use Pesticides. In this 2015 legislative session, the House Agricultural subcommittee has declared its belief that the State should have the authority over the Counties to control agriculture as demonstrated by its position through revisions of the Right-to-Farm bill to preempt counties from self-protection. Please build confidence through enacting statewide measures of community protection that will be demanded of industry for our most vulnerable citizens. Hawaii's citizens and county governments are being asked to trust the State to manage this chemical industry whose history has more than a century of environmental destruction around the world. Earn that trust by setting protected perimeters from potential danger from this barely supervised industry. The Departments of Health and Agriculture testified in front of the Kauai County Council (March 2014) that they did a "one-day snapshot" test for water contamination in streams on all islands for THE FIRST TIME EVER and found 100% of the tested streams had some form of pesticide chemicals in them from a myriad of sources. The industry has repeatedly held that there has been "no proof" of water contamination. These types of industry claims of safety compromise their own credibility when they consistently omit key elements such as that the existence of contamination has, in fact, never had oversight testing locally. In Kauai's extensive testimony for our similarly purposed Bill 2491, testimony from the Department of Ag showed that even serious complaints at schools with multiple impacts took a few years to have inadequate, yet expensive, investigation mostly paid for by the county. Only three Kauai community pesticide complaints out of a large number had ever had follow-through. Meanwhile the bio-tech industry is permitted to conduct experimental research in our communities with more latitude than outlined by the RUP labels which are designed to govern one crop, rather than three crops, per year. Super-weeds are developing as an adaptation from prior years' pesticide methods thus requiring corresponding changes that evolve into a type of chemical arms-race against nature and competitive seed companies. This is a bad trend. The vast majority of Federal regulatory safeguards have typically been placed decades AFTER significant evidence of human and environmental harm have been PROVEN. Repeatedly stories of impacts and a myriad of illnesses are invalidated as "anecdotal", because there has not been a double-blind study. Such studies are impossible as it would be unethical to willingly expose groups of children to multiple toxins, for example. The majority of the State policy makers do not live near the impact zone of the chemical spray in the rural areas of the neighbor islands. There are not enough regulators to manage the industry even while photographs of spraying and plowing on windy days are routinely placed on social

media and experienced by those living in the downwind neighborhoods. I have personally attended DOA training for pesticide sprayers. Most of the sprayers had limited English skills. The training outlined avoiding chemical drift primarily framed as a cost concern; never once was the potential harm on the downwind communities clarified. The bottom-line is a significant amount of the people in the rural communities simply do not trust the State to care about the people in the industrial-agricultural zones. Even the counties who have passed protective ordinances and ballot initiatives have done so at the insistence of the people. Almost all of the opposition against local regulatory laws on the industry come from people and entities that either directly benefit from blind regulatory oversight or the county people who wish to avoid the expense or responsibility of managing the farms. Even with the best of intentions, the state and the federal regulatory agencies are understaffed, under-informed and overwhelmed. This has been clear in council cross-examination even by industry-friendly council-members. Ensure the minimum of protection by placing reasonable buffers zones of 1/8-1/4 mile from schools depending on the prevailing wind. Please support this bill as if it was your own child in harm's way. Felicia Cowden Kilauea, Kaua'i

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I wholeheartedly Support HB1514 - Relating to Environmental Protection

Chris Lee - Chair, Nicole Lowen - Vice Chair

This proposed law aims to protect the State's environment and residents from the unintended impacts by:

1. Establishing disclosure requirements for large-scale commercial agriculture outdoor applications of pesticides in proximity to schools, childcare facilities, and certain commercial agricultural entities;
2. Establishing reasonable pesticide buffer zones for sensitive areas; and
3. Establishing penalties.

Research clearly demonstrates that even low exposures to environmental toxins, such as pesticides put healthy brain development in fetuses and young children at tremendous risk.

From what I have read over the years starting with Rachel Carson's book Silent Spring I am 100% convinced that the majority of pesticides that are considered "safe" today, most undoubtedly will be found unsafe tomorrow, especially when mixed with other pesticides. (Such as mixing bleach with ammonia causes a reaction and mixing medicines can kill patients). I have been reading through other testifiers' testimonies in support of this bill such as: Pat Gegen, Katie Johnson, Lyn Wilson, and Dr. Joe Ritter among others, with their scientific data and links such as:

American Academy of Pediatrics -

http://www.capitol.hawaii.gov/Session2015/Testimony/HB1514_TESTIMONY_EEP_02-05-15_.PDF

"Children encounter pesticides daily and have unique susceptibilities to their potential toxicity. Acute poisoning risks are clear and understanding of chronic health implications from both acute and chronic exposure are emerging. Epidemiological evidence demonstrates associations between early life exposure to pesticides and pediatric cancers, decreased cognitive function and behavioral problems.

...Recognizing and reducing problematic exposures will require attention to current inadequacies in....regulatory action on pesticides. "

The American College of Obstetricians and Gynecologists - <http://www.acog.org/Resources-And-Publications/Committee-Opinions/Committee-on-Health-Care-for-Underserved-Women/Exposure-to-Toxic-Environmental-Agents>

"The evidence that links exposure to toxic environmental agents and adverse reproductive and developmental health outcomes is sufficiently robust, and the American College of Obstetricians and Gynecologists and the American Society for Reproductive Medicine join leading scientists and other clinical practitioners in calling for timely action to identify and reduce exposure to toxic environmental agents while addressing the consequences of such exposure."

There is absolutely irrefutable scientific evidence that toxic chemicals around small children and pregnant women cause irreparable harm.

Big ag companies claim the Federal Government already has laws regarding buffer zones and the safety of pesticides, but there is rarely any oversight, and what about mixing pesticides? What are the long-term ramifications of pesticide exposure? What about the water table? What about the runoff into the oceans?

The clear, reasonable buffer zones at least would protect our most susceptible citizens from direct exposure, and the establishment of certain penalties would hopefully discourage infractions of this law.

Please support this very important bill.

Lois Crozer
Kailua

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 11:47 AM
To: AGRtestimony
Cc: cushmanzoo@hawaiiantel.net
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Sharron Cushman	Individual	Support	No

Comments: Children especially should be protected from exposure to pesticides. There is no safe level of exposure if you consider all the different locations pesticides have been sprayed. Too many illnesses can be attributed to exposure to pesticides. How do I know this? My health has been affected due to pesticide exposure.

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From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 13, 2015 3:02 PM
To: AGRtestimony
Cc: ndavlantes@aol.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/13/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Nancy Davlantes	Individual	Support	No

Comments: If federal regulations were all that Mr. Enright claims they are, we wouldn't have a problem with pesticide application. We know the regulations have failed on numerous occasions, leading to pollinator die-offs and human health complaints. At the very least, we need to know just what is being applied and where and when that happens.

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 14, 2015 5:42 PM
To: AGRtestimony
Cc: deborah@imaginariums.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/14/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Deborah Davis	Individual	Support	No

Comments:

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 11:17 AM
To: AGRtestimony
Cc: kekaukike@msn.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Richard DeLeon	Individual	Oppose	No

Comments: if the State continue this venue we as parents should file a suite under child abuse

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From: Richard Derwitsch <rickderwitsch@gmail.com>
Sent: Monday, February 16, 2015 12:43 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Richard Derwitsch

Winsted, CT 06098

From: Greg Donovan <donovangreg15@gmail.com>
Sent: Monday, February 16, 2015 5:59 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Greg Donovan

Haiku, HI 96708

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 9:05 AM
To: AGRtestimony
Cc: montessorihale@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Noreen Dougherty	Montessori Hale	Support	No

Comments: As a child advocate and educator in the state of Hawaii for 37 years, and as a former State of Hawaii Parent Teacher, Student Association Kauai Island Liaison to the State Legislature representing all of the children and their families on Kauai, I implore you to Pass HB1514 and to do all in your power to protect the health of our people and aina. Support HB1514: Label, Buffer, and Insist on Disclosure. Mahalo.

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 6:30 AM
To: AGRtestimony
Cc: dubieldesign@hotmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Rexann Dubiel	Individual	Support	No

Comments: Please SUPPORT HB 1514. As a veteran teacher at Sunset Beach Elementary, 26 years teaching 3rd grade, I will be with my students on the hearing day. Please.....it is your obligation, your duty to protect the children of Hawaii. They are impacted most by the toxic effects of pesticide drift. As their advocate, I impore you to SUPPORT HB 1514 to protect those most vulnerable. Please read the research from UC Davis.....this drift has now been linked to autism. Heed Pediatric Neurologist Dr. Ryan Lee of Shriner's Hospital and his testimony in support of this bill.

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Aloha,

My name is Brad Edwards, and I am a Licensed Clinical Social Worker who lives in Kihei. I am writing to voice my strong support for HB1514. I work with students at different schools across Maui and am shocked that they are exposed to pesticides through drift and through application on their own school campuses. There is no reason why our keiki should be exposed to poisons while at school. So far the Department of Health and the Department of Agriculture have been asleep at the wheel on this issue and have done nothing to protect the public health so the responsibility now lies with the state legislature.

Please support this sensible bill.

Mahalo,
Brad Edwards
(808) 250-7929

From: Brian Emmons <brimohi@msn.com>
Sent: Monday, February 16, 2015 1:17 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Brian Emmons

Honolulu, HI 96826

From: Don Erway <der1way@earthlink.net>
Sent: Monday, February 16, 2015 5:20 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Don Erway

Kailua Kona, HI 96740

Aloha.

My name is Ann Evans.

I am a resident of Maui County, a wife, mother, grandmother, registered voter, and a concerned citizen.

I am writing to STRONGLY support HB 1514.

How can this NOT be a priority? How can this even be in question?

WHY is it even an issue to support and enforce PROTECTION FOR OUR CHILDREN...with simple buffer zones around schools and hospitals?

I have been blessed to work with special needs children, for many years.

I can tell you that IF any of these conditions CAN be attributed to pesticide exposure, during pregnancy and thereafter...it is OUR...YOURS and MINE , kuleana to DO SOMETHING.

As a mom, grandma and a woman who chooses to stand with a very large group of concerned mothers, statewide, I can tell you that I only have one goal.

To PROTECT our keiki.

It should be yours, as well.

PLEASE do what you are supposed to do...represent the PEOPLE of Hawaii, young and old.

PASS HB1514.

mahalo.

From: Faith Ewbank <faith@planetserver.com>
Sent: Monday, February 16, 2015 12:04 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Faith Ewbank

Makawao, HI 96768

From: Greg and Pat Farstrup <gfarstrup@msn.com>
Sent: Monday, February 16, 2015 1:50 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Greg and Pat Farstrup

Honolulu, HI 96813

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 6:56 PM
To: AGRtestimony
Cc: ariannafeinberg@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Arianna Feinberg	Individual	Support	No

Comments: I strongly support passing HB1514 in order to create pesticide buffer zones around sensitive areas like schools and hospitals. The state legislature should take this opportunity to regulate the use of restricted use pesticides. Thank you for your continued service to our state.

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From: Philip Fernandez <pkfe@msn.com>
Sent: Monday, February 16, 2015 1:01 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Philip Fernandez

Kailua-Kona, HI 96740

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 8:49 AM
To: AGRtestimony
Cc: laughinatlife@hawaii.rr.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Francis Fujimoto	Individual	Oppose	No

Comments:

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From: Janet Fiore <mauijanet@yahoo.com>
Sent: Monday, February 16, 2015 11:16 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Janet Fiore

Kihei, HI 96753

From: diane fitsimmons <dianefit@hawaii.edu>
Sent: Monday, February 16, 2015 1:43 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

diane fitsimmons

Waialua, HI 96791

From: Marie Fontana <ricketyr@sbcglobal.net>
Sent: Monday, February 16, 2015 11:46 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Marie Fontana

Pahoa, HI 96778

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 13, 2015 8:43 PM
To: AGRtestimony
Cc: babaku@aol.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/13/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
douglas Fox	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 12:32 PM
To: AGRtestimony
Cc: fujimotofs@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Frank Fujimoto	Individual	Oppose	No

Comments: Thank you for the opportunity to provide testimony in opposition of HB1514. This flawed bill unfairly targets our local farmers and does nothing to address the safety procedures of other unregulated users of pesticides. By passing this bill into law, you will be helping to kill Hawaii's local farms. This bill will unfairly target our local farmers, who are already heavily and extensively regulated in their use of restricted use pesticides by the state Department of Agriculture and federal Environmental Protection Agency. The 0.75 mile buffer zone will effectively wipe many small farms off the map. This bill does not address at all other users of pesticides, such as private homeowners, hotels and cemeteries. Their *unregulated* use of pesticides is a greater public health and safety concern. Also, why has the termite/pest control industry been specifically excluded from this bill? They use much more toxic and concentrated pesticides than any farmer. I do care about the health and safety of all of our neighbors, but this bill is flawed and unfairly discriminates against our local farmers and does not take existing regulations into consideration. Instead, please invest our state's time and money into enforcing existing laws that already regulate the use of pesticides. Thank you for your time.

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From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 7:18 PM
To: AGRtestimony
Cc: kailea.sonrisa@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Kailea Frederick	Individual	Support	No

Comments: I support this bill to create pesticide buffer zones around sensitive areas such as school and hospitals.

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 1:13 AM
To: AGRtestimony
Cc: annsfreed@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Ann S Freed	Individual	Support	No

Comments: I am in strong support of this bill. Please protect our keiki and their teachers.

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From: Agathe Frings <agathefrings@yahoo.de>
Sent: Monday, February 16, 2015 11:16 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Agathe Frings

Hawi, HI 96719

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 6:10 AM
To: AGRtestimony
Cc: skyy@hawaii.rr.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
karen fujimoto	Individual	Comments Only	No

Comments: PLEASE DO NOT PASS THIS BILL!!! Pest control companies, golf courses, etc. use pesticides that are TOXIC compared to the almost benign chemicals used in farming. This bill is not fair to the farmers trying to make a living and supporting the local economy

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 1:00 PM
To: AGRtestimony
Cc: friendsforal@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Aan Fukuyama	Individual	Oppose	No

Comments:

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 13, 2015 9:39 PM
To: AGRtestimony
Cc: PelesGrrl@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/13/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Trinette Furtado	Individual	Support	No

Comments:

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 8:59 AM
To: AGRtestimony
Cc: agasc@mac.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Anne Gasc	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 5:28 PM
To: AGRtestimony
Cc: ogegen19@ischool.org
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Olivia Gegen	Individual	Support	Yes

Comments: Testimony Hi, my name is Olivia Gegen. I am a 13 year old in eighth grade currently going to Island school on the island of Kauai. I live in Kalaheo, Kauai. The first thing I am going to say is a quote from a brochure I read about how pesticides are undermining children's health & intelligence. It says, "If we are going to live so intimately with these chemicals-eating and drinking them, taking them into the very marrow of our bones-we had better know something about their nature and their power." -Rachel Carson. Rachel Carson was an American marine biologist and conservationist whose book Silent Spring and other writings are credited with advancing the global environmental movement. To me, this quote means that disclosure takes a major part in the right to know what my generation will have to face if we don't get it under control. I continued to read how children whose mothers lived within 500 feet of fields being sprayed were six times more likely to be on the autism spectrum. This tells me that the buffer zones need to be at least 3/4 of a mile from pesticides. I know somebody who has autism who is now 30 years old and her family will have to take care of her the rest of her life. I can see that this is difficult and sad for her entire family. I wonder how she will be taken care of when her parents die? I never thought I would have to think about being poisoned while driving through Waimea and Kekaha. Recently, on my way up to Koke'e, my throat started to hurt. It got better when we got to the top of the mountain but as we were driving down the next day, it once again got worse. I've had a cough ever since. It's been about 3 weeks. That brings up some questions for me such as, is my child going to be OK if he/she lives in Waimea or other high exposure pesticide areas in his/her lifetime? Will my child be ill when he/she grows up? I don't think I should have to worry about this at my age. That brings to mind some facts that came to my attention while reading about pesticides. 1 is that, even at very low levels, pesticide exposure can stunt development and make the ability to learn much more difficult. Another is that many of the processes that occur during brain development can be disrupted by pesticide exposure. At a more personal level, my mom occasionally comes home crying because she doesn't know how to treat these sick patients. I want to help her feel better, but I don't know how. Please, with all due respect, make decisions that will keep us children safe and excited about our futures. Thank you for your time.

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From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 14, 2015 8:42 PM
To: AGRtestimony
Cc: shantison@hotmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/14/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
son geiger	Individual	Comments Only	No

Comments: Aloha, my name is Sonja Geiger and me and my family have a 3,5 acre organic farm in Kilauea. I have been following the Issues of Restricted Used Pesticides, on Kauai, for a long time. I support bill HB1514, but truly I believe there should be a ban on those chemicals, because of the damage they do to Endangered Species, the Corals, the People living near spraying sites. Its irresponsible what is done to the local people of Kauai. All Humans, the Ocean and the Aina of Kauai have the same need, HEALTH! Pleas pass bill HB1514 to make Kauai a save place for all of us. MALAMA PONO!!!!

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 4:27 PM
To: AGRtestimony
Cc: jgelert@yahoo.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
John Gelert	Individual	Support	No

Comments: We need immediate buffer zones to protect the children, our homes, schools and hospitals. Agricultural chemicals cause many serious birth defects including spina bifida (open spine) and gastroschisis (intestines on outside of body). We have seen plenty of these in Hawaii.

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From: GENE ANDERSON <gamangos@aloha.net>
Sent: Monday, February 16, 2015 6:15 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

GENE ANDERSON

KAUNAKAKAI, HI 96748

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 7:31 PM
To: AGRtestimony
Cc: drgmaui@hawaii.rr.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Don Gerbig	Individual	Oppose	No

Comments: This bill is not based on any known data that would support all the additional reporting and information distribution to those who know little about agricultural pest control It's based on fear-mongering with no factual evidence to back up the need for such punitive measures being placed on all farming operations. There is an attempt to key the punitive measures outlined in the bill to only large farming operations. But this is not so, all farming operations will be affected by this poorly written legislation. The effects will be enormous cost increases to the agricultural industry in the state of Hawaii. Agricultural employment is sure to decrease as farmers go out of business rather than try to meet these burdensome notification and record keeping demands. To add buffer zones, where pesticide application is not allowed will further burden our local farming operations. Imagine, you are not allowed to farm a portion of your property which you have been farming for years and years without harm to anyone because some activist thinks its wrong, without providing any proof of harm, What is the most hilarious thing about this proposed bill is that it completely ignores all pesticide applications in urban areas where pesticides are applied in and around where adults and children eat and play. Wonder how this banning of pesticide usage in buffer zones will affect the ever increasing Little Fire Ant population in Hawaii? Passing such legislation is similar to grocery clerks designing safety regulations for nuclear power plants. I highly recommend the committee not pass this bill due to the embarrassment it will ultimately cause them within the Ag Community. Respectfully submitted by Don Gerbig Lahaina Maui

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From: Gary Johnson <orchids_7@hotmail.com>
Sent: Monday, February 16, 2015 5:47 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Gary Johnson

Kailua, HI 96734

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 8:18 AM
To: AGRtestimony
Cc: jimmygomes@hawaii.rr.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Jimmy Gomes	Individual	Oppose	No

Comments:

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From: Ann Becker Gommers <annietbi@hotmail.com>
Sent: Monday, February 16, 2015 2:14 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Ann Becker Gommers

Waialua, HI 966791

From: Strat Goodhue <psalm7115@gmail.com>
Sent: Monday, February 16, 2015 12:23 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Strat Goodhue

Kailu, HI 98006

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 7:35 AM
To: AGRtestimony
Cc: gordines@kauaiflowers.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
John R. Gordines	Individual	Oppose	No

Comments:

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Do not reply to this email. This inbox is not monitored. For assistance please email webmaster@capitol.hawaii.gov

From: Sue Gordon <kaaavaz@msn.com>
Sent: Monday, February 16, 2015 2:43 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Sue Gordon

kaneohe, HI 96744

From: Tara Grace <taragrace808@gmail.com>
Sent: Monday, February 16, 2015 11:25 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Tara Grace

Haiku, HI 96708

From: Sandra Gray <mattie@hawaiiantel.net>
Sent: Monday, February 16, 2015 1:43 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Sandra Gray

Kapaau, HI 96755

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 14, 2015 5:49 PM
To: AGRtestimony
Cc: una@hawaii.rr.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/14/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Una Greenaway	Individual	Support	No

Comments: Please kokua the keiki o ka aina. We deserve these simple things. disclosure and buffer zones.

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From: Tulsi greenlee <Tulsi@mauiishome.com>
Sent: Monday, February 16, 2015 12:50 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Tulsi greenlee

haiku, HI 96708

From: Cindy Griffin <griffinclg@gmail.com>
Sent: Monday, February 16, 2015 1:23 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Cindy Griffin

Anahola, HI 96703

From: Carolynn Griffith <carolynngrif@gmail.com>
Sent: Monday, February 16, 2015 12:00 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Carolynn Griffith

Honolulu, HI 96825

ELIZABETH RICE GROSSMAN

15 February 2015

Honorable Joseph M. Souki

Speaker, House of Representatives

RE: HB1514

Sir:

I am writing in support of HB1514 and I'm honored to do so.

The number of large-scale commercial agricultural operations have been expanding in recent years, and with HB 1514, we have the opportunity to establish buffer zones around schools, adult residential care homes, family child care homes, hospitals, etc., thus protecting vulnerable populations. There is credible evidence that exposure to pesticides can lead to higher rates of autism and developmental disabilities in children. It's just the right thing to do!

Please support HB1514.

Respectfully,


Elizabeth Rice Grossman

onishi3 - Timothy

From: Hollan hamid <Hollan@hotmail.com>
Sent: Monday, February 16, 2015 1:53 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Hollan hamid

anahola, HI 96703

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 9:31 AM
To: AGRtestimony
Cc: lovinitmaui@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Robin Hammerquist	Individual	Oppose	No

Comments:

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From: Trisha Hansen <TrishaHansen@aol.com>
Sent: Monday, February 16, 2015 12:42 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Trisha Hansen

Kailua Kona, HI 96740

From: Jim Hastings <kauai@huckle.com>
Sent: Monday, February 16, 2015 11:22 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Jim Hastings

Kapaa, HI 96746

From: James Hedgecock <flowergitha@yahoo.com>
Sent: Monday, February 16, 2015 11:53 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

James Hedgecock

Kea'au, HI 96749

From: james heermans <oliveronald@yahoo.com>
Sent: Monday, February 16, 2015 11:43 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

james heermans

Honolulu, HI 96814

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 9:31 AM
To: AGRtestimony
Cc: paula@mauiwine.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Paula Hegele	Individual	Oppose	No

Comments: Please oppose this measure which adds an additional layer of unnecessary burden and unproven need to our Hawaii farmers.

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From: Denise Hennig <den@aloha.net>
Sent: Monday, February 16, 2015 11:55 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Denise Hennig

Lanai City, HI 96763

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 11:07 PM
To: AGRtestimony
Cc: 2da1wahine@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Sandra Herndon	Individual	Support	No

Comments: It's very important that this bill pass. Mahalo for hearing our concerns and responding in kind.

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From: Patty Hickey <phickey@hawaii.rr.com>
Sent: Monday, February 16, 2015 12:24 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Patty Hickey

North Kihei, HI 96753

From: Diana Hirsch <dianadhirsch@gmail.com>
Sent: Monday, February 16, 2015 4:39 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Diana Hirsch

Kailua, HI 96734

From: Shay Chan Hodges <shay.chanhodges@gmail.com>
Sent: Monday, February 16, 2015 12:36 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Shay Chan Hodges

Haiku, HI 96708

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 13, 2015 3:50 PM
To: AGRtestimony
Cc: lynhowe1946@yahoo.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/13/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Lyn Howe	Individual	Support	No

Comments: Of course you must pass this. we must keep these chemicals away from our schools and sensitive zones. There is no reason not to pass this. It is no hardship for the companies and they should be doing it anyway just to be good neighbors

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 2:57 PM
To: AGRtestimony
Cc: ahuntemer@aol.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Angela Huntemer	Individual	Support	No

Comments: Aloha Chair, Vice Chair and Committee Members, I support HB1514 because it establishes disclosure requirements for outdoor applications of pesticides in proximity to schools, childcare facilities, and certain commercial agricultural entities. Establishes reasonable pesticide buffer zones for sensitive areas. This measure also establishes penalties for violations. Mahalo, Angela Huntemer, North Shore O'ahu.

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From: Haydn Huntley <haydn.huntley@gmail.com>
Sent: Monday, February 16, 2015 11:32 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Haydn Huntley

Makawao, HI 96768

From: charles ice <icec002@hawaii.rr.com>
Sent: Monday, February 16, 2015 4:29 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

charles ice

aiea, HI 96701

From: Wendy Ikeda <puzzledog@yahoo.com>
Sent: Monday, February 16, 2015 5:11 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Wendy Ikeda

Honolulu, HI 96813

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 10:34 AM
To: AGRtestimony
Cc: piwamoto@msn.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Pat Iwamoto	Individual	Oppose	No

Comments: Our farm has been in operation for over 60 years and residential growth has popped up next door and all around. If we have to have a buffer zone of the requested feet we will eventually not exist as a farm.

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Aloha,

I am writing in strong support of HB 1514, which requires that the state establish pesticide buffer zones around schools and nursing homes to protect keiki and kupuna health.

This bill also requires that restricted-use pesticide users disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift. These are common sense regulations that are in line with those of 33 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to where they live, learn, and play, and to restrict application near our schools.

In fact, Hawai'i is one of only 17 states that does NOT regulate pesticides near schools. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds from neighboring agricultural lands, or from pesticide residues. It is critical that the state take action to reduce childhood pesticide exposure because toxic exposure to pesticides during fetal, neonatal, and infant life can disrupt critical developmental processes.

Pesticide drift happens frequently, particularly in Hawai'i due to the common windy and warm conditions of the islands. At least 26 schools in Hawai'i are located within a mile of large agricultural companies that spray restricted-use pesticides. Many residents, including children, have suffered from sickness they attribute to pesticide drift.

The people of Hawai'i have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools and nursing homes are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514.

Thank you for the opportunity to provide testimony.

Jasmine Silverstein

jasminesilverstein@yahoo.com

onishi3 - Timothy

From: Ernest and Marielis Jepson <scottspalapa@yahoo.com>
Sent: Monday, February 16, 2015 5:27 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Ernest and Marielis Jepson

Kihei, HI 96753

From: Alan Johnson,PhD <alanjohn@hawaii.edu>
Sent: Monday, February 16, 2015 11:27 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Alan Johnson,PhD

Honolulu, HI 96819

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 14, 2015 10:19 AM
To: AGRtestimony
Cc: sungods79@yahoo.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/14/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Sol Kahn	Individual	Support	Yes

Comments: Without a doubt we need buffer zones to protect our kids! This shouldn't even be a question. Why would ANYONE think it's OK to risk the health and safety of our kids just to make sure that they make a profit??? Where in one's mind is this ok??? These chemicals aren't light and non lethal, these are heavy duty deadly chemicals meant to do one thing, kill. And they do a great job at it until the plant or bug grows a resistance. Then they make another one that is stronger and stronger and this cycle continues. The real problem is that there is no cap to this. So it'll only get worse so in the meantime let's make sure our families are safe while we work on better more sustainable farming practices.

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From: Diane Kanealii <dkanealii02@gmail.com>
Sent: Monday, February 16, 2015 1:26 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Diane Kanealii

Kamuela, HI 96743

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 13, 2015 3:47 PM
To: AGRtestimony
Cc: Karen@RedwoodGames.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/13/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Karen Chun	Individual	Support	No

Comments: Many thanks for hearing this bill. I was oversprayed by HC&S (in fact all my neighbors were). My home was chosen for swabbing by the Dept of Ag and 5 types of herbicides were detected (we don't ourselves use any herbicides) 4 of these were restricted use pesticides. I experienced health effects which included 3 weeks of uncontrollable high blood pressure. To think of our children in schools who are so much less able to tolerate over-spraying being subjected to this is terrible. Please make sure our children are safe from over-spraying. Disclosure would have helped me because although Dept of Ag did tell me later what the tests showed (although they have never responded to tell me the final disposition of the illegal over-spraying) my doctor could have used this information much earlier to help treat me for the side effects of these herbicides.

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From: Sonja Kass <sonja_and_andy@yahoo.com>
Sent: Monday, February 16, 2015 2:56 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Sonja Kass

Kapaa, HI 96746

From: Kevin Brown <kblimey@gmail.com>
Sent: Monday, February 16, 2015 11:37 AM
To: AGRtestimony
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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Kevin Brown

Kaunakakai, HI 96748

From: Elizabeth Kempf <elizabeth@sterlingcpa.com>
Sent: Monday, February 16, 2015 3:34 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Elizabeth Kempf

Makawao, HI 96768

From: Stacy Kennedy <Lunabelleloves@gmail.com>
Sent: Monday, February 16, 2015 11:40 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Stacy Kennedy

Kapaa, HI 96746

From: sandy kinter <auntysandy4@yahoo.com>
Sent: Monday, February 16, 2015 12:50 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

sandy kinter

kapaa, HI 96754

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 13, 2015 10:20 PM
To: AGRtestimony
Cc: panther_dave@yahoo.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/13/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Dave Kisor	Individual	Support	No

Comments: This should include meteorological monitoring with audible alarms to indicate that biochemical warfare is in progress and that doors, windows and air conditioners should be secured unto the threat is declared over. Our troops were lied to about Agent Orange and this isn't that different.

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 12:59 AM
To: AGRtestimony
Cc: wao-hsl@WeAreOne.cc
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Joseph Kohn MD	Individual	Support	No

Comments: www.WeAreOne.cc

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 11:50 PM
To: AGRtestimony
Cc: iluveryouhoo@yahoo.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
tatiana korman	Individual	Support	No

Comments:

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 13, 2015 4:51 PM
To: AGRtestimony
Cc: klayton1kubo@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/13/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Klayton Kubo	Individual	Support	Yes

Comments:

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From: Cindy Lance <cindylouwho@hawaiiantel.net>
Sent: Monday, February 16, 2015 11:30 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Cindy Lance

Honolulu, HI 96822

From: jo amsterdam <joamsterdam@hotmail.com>
Sent: Tuesday, February 17, 2015 6:40 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

jo amsterdam

kalaheo, HI 96741

From: Pamala Anderson <calipamala@yahoo.com>
Sent: Tuesday, February 17, 2015 8:22 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Pamala Anderson

Koloa, HI 96756

From: Lauraine Ayers-Briel <lauraine_a@mac.com>
Sent: Tuesday, February 17, 2015 10:23 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Lauraine Ayers-Briel

Haiku, HI 96708

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 6:39 PM
To: AGRtestimony
Cc: oldsurfin@cox.net
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Wayne Babcock	Individual	Support	No

Comments: I VERY STRONGLY support this bill. It is time to protect the people not the ones using dangerous chemicals and pesticides. Many are watching including tourists. Do the right thing! Thank you!

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From: Bob Babson <babsonb001@hawaii.rr.com>
Sent: Monday, February 16, 2015 7:34 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Bob Babson

Kihei, HI 96753

From: Jennifer Barretto <pbjbarretto@msn.com>
Sent: Monday, February 16, 2015 8:00 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Jennifer Barretto

Kapaa, HI 96746

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 6:25 AM
To: AGRtestimony
Cc: hoalike5@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Mary M. Barter	Individual	Support	No

Comments: This bill is so reasonable, it is shocking it wasn't already legally put in place years ago. The present law needs to be changed. I know that "correlation is not causation", BUT the American Pediatric Society took a few years reviewing the evidence and decided on the PREPONDERANCE of evidence of correlation that living close to farming operations is affecting our children's well being and health. The health problems seen are serious, especially for children and in fetuses. Please do the right thing and force farmers to comply with basic decency.

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From: Olaf Behnendt <cocolafo@gmail.com>
Sent: Monday, February 16, 2015 6:54 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Olaf Behnendt

Paia, HI 96779

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 9:57 AM
To: AGRtestimony
Cc: kmbellavita@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
KarenMarie Bellavita	Individual	Support	Yes

Comments: Agriculture's function and priority is to sustain life. The very committee that is entrusted with this most vital and basic function should ensure the safety of all people. Pesticides only function is to kill and harm, our children and elders need these buffer zones to protect them.

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 7:22 PM
To: AGRtestimony
Cc: dario.bernacchi@monsanto.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Dario Bernacchi	Individual	Oppose	No

Comments: I oppose this bill. It is targeted to punish agriculture, it legislates on an area where full regulations already exist, it postulates a problem that does not exist, it claims lack of info where there is plenty. Product info is available, applications are not intensive, agrivulture has been shrinking rather than expanding, studies show negligible impact from ag on environment. Dario

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From: Megan Blazak <mblazak@gmail.com>
Sent: Tuesday, February 17, 2015 9:01 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am a registered voter in House District 2. I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Megan Blazak

Hilo, HI 96720

From: Bo Breda <bobreda@gmail.com>
Sent: Tuesday, February 17, 2015 8:17 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Bo Breda

Pahoa, HI 96778

February 16 2015

Dear Representatives,

Please accept this testimony in strong support of HB 1514 / SB 793.

The health concerns being raised by doctors, parents, teachers, scientists and other residents in regards to intensive pesticide use by the agrochemical-seed industry are a matter of **environmental justice**. It is a statistical fact that marginalized, low-income, and especially communities of color face higher rates of exposure to toxic pollutants such as pesticides, and as a result suffer disproportionately from environmentally related diseases. It is also well-documented that such communities face **major structural obstacles in trying to prove harm**. When it comes to environmental health issues, there is always some amount of scientific uncertainty that can be used in attempts to delay regulatory action. The agrochemical-seed companies that are lobbying against this bill have a very long and well-documented history of using deceit, denial, and doubt in order to delay public health protections. We must be mindful that they have, on too numerous occasions, intentionally manufactured uncertainty in cases where harm was taking place (I am happy to provide a bibliography reference list).

Legislating matters related to environmental health and science is never an easy task. However, this bill is not seeking to make a judgement on current harms or deliberate over complicated scientific questions—it is simply about reducing dangerous pesticide exposure for vulnerable communities, and making important health information available to the public.

There are many unknowns in regards to the current impacts of pesticide use by the agrochemical companies, and further independent scientific study is clearly necessary. However, what we do know is already more than enough reason to take these first, conservative and common-sense steps forward. There is an abundant scientific literature on the dangers of the pesticides being used in the highest amounts, up-wind from communities, on a daily basis. Some of the latest research on these pesticides is particularly concerning; I would encourage you to take a look at recent studies on the pesticide chlorpyrifos and brain development disorders (<http://www.sacbee.com/news/local/health-and-medicine/article2602007.html>). Chlorpyrifos is being used in Hawaii at amounts far exceeding other agricultural areas (1975 pounds active ingredient chlorpyrifos used by Syngenta, Dow, DuPont and BASF on Kauai over 12 months, based on Good Neighbor Program reporting). Chlorpyrifos is particularly prone to drift, as it readily evaporates from leaf and soil surfaces, especially at warm temperatures, and can continue to linger in the air many days after it has been sprayed. The local-impact studies that are needed will not be possible without disclosure of pesticide use.

While I do not think this bill goes far enough, it will begin the process of offering some very basic protections and the transparency that is necessary to mitigating harms. I would encourage strengthening the bill, including extending buffer zones to all residential areas, where people face daily exposure and the risks of long-term, cumulative impacts. In regards to the disclosure requirements, reports should be put online for the community at-large to access on at least a weekly basis, including identification of precise locations of spraying. The medical community should have easy access to this data when treating their clients. This is data that the industry keeps, and it is only a matter of making it public. The minor record-keeping expenses that might be incurred by multibillion dollar companies are insubstantial when weighted against the public health.

Thank you for taking the time to read this, and mahalo for your service.

Andrea Brower, Kauai resident

Committee on Energy and Environmental Protection
Representative Chris Lee, Chair
Representative Nicole E. Lowen, Vice Chair

Tuesday, February 17, 2015

From: Malia Busby/Parent/Kalae, Molokai

TESTIMONY IN STRONG SUPPORT OF HB1514 – RELATING TO ENVIRONMENTAL PROTECTION

Aloha Esteemed Members of the Committee on Energy and Environmental Protection,

My name is Malia Busby and I am writing in strong support of HB1514 Relating to Environmental Protection.

As a mother of two young school girls, I am deeply concerned about the health of my family. Understanding that several local schools across the state are in dangerous proximity to large-scale agricultural operations, the exposure and negative health impacts of pesticides are of grave concern. I am especially concerned because both of my daughters attend schools directly across from fields that are sprayed regularly here on Molokai. We don't know what is being sprayed, in what combinations they're being sprayed, the frequency of spraying and the effects these applications could have on our daughters now and in the future.

Pesticide exposure is of more risk to young children for several reasons; their size, the immense growing and development occurring in their bodies during youth, and the ways in which they interact with the world around them – activities such as placing their hands in their mouth or playing on the grass and ground.^{1,2} Even low-level exposure during fetal,³ neonatal,⁴ and infant life can disrupt critical developmental processes.⁵

¹National Research Council. 1993. Pesticides in the Diets of Infants and Children. National Academy Press: Washington D.C.

²Roberts J. R. and Karr C. J. 2012. Pesticide Exposure in Children. Council on Environmental Health. *Pediatrics*, 130(6): e1757-e1763. Available at: <http://pediatrics.aappublications.org/content/130/6/e1757.full.html>

³Rull R. P., Gunier R., Von Behren J., Hertz A., Crouse V., Buffler P. A., and Reynolds P. 2009. Residential Proximity to Agricultural Pesticide Applications and Childhood Acute Lymphoblastic Leukemia. *Environmental Research*, 109(7): 891-899.

⁴Chevrier C., Limon G., Monfort C., Rouget F., Garlantezec R., Petit C., Durand G., and Cordier A. 2011. Urinary Biomarkers of Prenatal Atrazine Exposure and Adverse Birth

Our children spend the large majority of their day at school, where we trust their safety is the key priority. It is crucial that we protect their school environments and their growing bodies from the harmful health effects of pesticide exposure.

Any pesticide can drift beyond the field where it is applied. Spray drift occurs during application, and can move even farther distances by windy conditions. Volatile pesticides like 2,4-D and dicamba are subject to vapor drift, which occurs when previously applied pesticides evaporate from plant and soil surfaces days to months after application,⁶ and is more likely in hot, conditions.

We have already witnessed emergency evacuations and negative health impacts from pesticide drift in near Hawai'i schools.^{7,8} Our children are being exposed. There is no time to waste.

Thank you for your sincere consideration to pass this measure to Protect Our Keiki.

Sincerely,

Malia Busby

Outcomes in the PELAGIE Birth Cohort. *Environmental Health Perspectives*, 119(7): 1034-1041.

⁵Shelton, JF et al. 2014. Neurodevelopmental Disorders and Prenatal Residential Proximity to Agricultural Pesticides: The CHARGE Study. *Environmental Health Perspective*, 122(10): 1103-1110.

⁶USGS 2003. "USGS releases study on toxic rainfall in an Joaquin Valley," US Geological Survey, August 18, 2003.

⁷Leone D. 2008. Odor that got kids sick debated. Honolulu Advertiser, February 24, 2008. <http://the.honoluluadvertiser.com/article/2008/Feb/24/In/Hawai'i802240350.html>.

⁸Hillyer B. 2008. Lawmakers concerned about pesticide spraying. Hawai'i News Now, February 5, 2008. <http://www.Hawai'inewsnow.com/story/7822628/lawmakers-concerned-about-pesticide-spraying>

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 10:03 PM
To: AGRtestimony
Cc: Happiflying@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Alisen Celestyne	Individual	Support	No

Comments: Our governments are failing to protect the people. Please wake up and start working for the people.

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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From: Marlene Celinski <mpcelinski@gmail.com>
Sent: Monday, February 16, 2015 7:44 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Marlene Celinski

Kailua Kona, HI 96740

From: Camille Chong <ccnal@hotmai.com>
Sent: Monday, February 16, 2015 9:59 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Camille Chong

Honolulu, HI 96826

From: Fabienne Christe <Fabi.brakefree@gmail.com>
Sent: Tuesday, February 17, 2015 1:35 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Fabienne Christe

Kapaa, HI 96746

From: Randall Chun <randall.chun@hawaiiantel.net>
Sent: Monday, February 16, 2015 9:06 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Randall Chun

Honolulu, HI 96817

onishi3 - Timothy

From: Yolanda Clay <yolanda-clay@earthlink.net>
Sent: Monday, February 16, 2015 10:43 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Yolanda Clay

Kailua-Kona, HI 96740

From: Susan Coan <susan.cowsmeadow@gmail.com>
Sent: Monday, February 16, 2015 11:56 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Susan Coan

Lihue, HI 96766

From: Paula Cohen <Alohaphap@aol.com>
Sent: Monday, February 16, 2015 9:01 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Paula Cohen

Princeville, HI 96722

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 6:57 PM
To: AGRtestimony
Cc: 4wdtiki@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Bill Collins	Individual	Support	No

Comments: This registered and active voter supports HB1514.

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onishi3 - Timothy

From: Richard Conrad <rconrad999@hawaii.rr.com>
Sent: Monday, February 16, 2015 8:38 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Richard Conrad

Waianae, HI 96792

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 10:32 PM
To: AGRtestimony
Cc: scott@aloha.net
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Scott Crawford	Individual	Support	No

Comments:

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onishi3 - Timothy

From: Gail Crosthwaite <gcx2@hawaii.rr.com>
Sent: Tuesday, February 17, 2015 9:49 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo
Gail Y Crosthwaite
27-664 Kaieie Road
Papaikou, HI 96781

Gail Crosthwaite

Papaikou, HI

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 10:57 PM
To: AGRtestimony
Cc: torian1103@yahoo.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
cynthia	Individual	Support	No

Comments:

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From: Diane Anderson <hariom@hawaii.rr.com>
Sent: Tuesday, February 17, 2015 9:25 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Diane Anderson

Haleiwa, HI 96712

From: Ambra D'Arcangelo <a.darcangelo@libero.it>
Sent: Monday, February 16, 2015 11:04 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Ambra D'Arcangelo

Milano, HI 20100

From: John Davis <alohaainaservices@gmail.com>
Sent: Tuesday, February 17, 2015 8:59 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am a registered voter in House District 2. I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

John Davis

Hilo, HI 96720

onishi3 - Timothy

From: David S De Luz Jr <djr@teamdeluz.com>
Sent: Tuesday, February 17, 2015 10:07 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I STRONGLY oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Department of Agriculture to educate and do outreach programs to our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture are not the enemy. We are hardworking community members that strive to produce and sustain local food production.

Mahalo,

David S. De Luz, Jr.
Manager
Kukaiiau Ranch LLC

David S De Luz Jr

Hilo, HI

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 8:29 PM
To: AGRtestimony
Cc: leimomikekina@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Leimomi Dierks	Individual	Support	No

Comments:

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 10:31 AM
To: AGRtestimony
Cc: calebdohrman@hotmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Caleb Dohrman	Individual	Oppose	No

Comments: Aloha Chair Tsuji and Committee Members, I strongly oppose HB 1514 and encourage you not to pass this legislation. This bill is aimed at large scale users of RUP's, mainly at large scale seed farms. Although people may not eat seed corn, this crop becomes seed for farmers, which are grown for a number of products. One specific product is for production animal consumption. For example, that kalbi beef or kalua pig, most likely consumed products treated with conventional crop protection methods. Seed farmers are part of the food chain just as much as vegetable and fruit crop farmers. I come from a deep agriculture background and know the difficulties in raising a healthy productive crop. My grandfather was a farmer, my father is a farmer, and I am a farmer. Altogether my family has farmed a combined 95 years. It is within that background that I know crop protection is vital to success as a farmer. As advances are made in technology why shouldn't the farmer be able to utilize those advances as well? Pesticide usage is a proven safe method of crop protection. This is only safe if it's used within the specified guidelines laid out on the label. When and only when the chemical is used incorrectly does this become a hazard. The EPA sets these guidelines, and agencies, such as HDOA, hold users accountable. This is even more important when using RUP's. To be able to use a RUP, the user needs to be specifically licensed, and trained to know the limitations of the product. For example, only a certain amount can be applied per season, or wind restrictions. Farmers know this and abide by the limitations. Many people that support this bill are using children as "propaganda" to support this bill and protect the Keiki. I, as well as many other farmers, have kids of my own. You have to ask yourself, why would a farmer knowingly apply chemicals incorrectly to put children in danger? They wouldn't, and the government agencies are regulating that. It is very disturbing to accuse farmers of neglecting safety and risking children's lives for a crop. I don't know a single person that would put children or anyone in harm's way. There is also the matter that some chemicals are "banned" in other countries, so why is the USA allowing them to be sprayed? Though, I respect other countries and their research, I'm going to trust our government and agencies and their decisions. The USA is by far the leading agriculture country, and we are the most knowledgeable/experienced farmers the world has seen. What I do support is additional funding for the department of Agriculture to provide education to the communities about pesticides. I will conclude that I strongly oppose HB1514 and urge you to do the same. Not because I asked you to, but because you used science, facts, and level headed reasoning to make decisions. Mahalo

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convening of the public hearing.

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 9:14 AM
To: AGRtestimony
Cc: hennedon@hotmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Don	Individual	Oppose	No

Comments: This bill is clearly a veiled attack on so-called 'big ag'. Proponents of this bill have resorted to logical fallacies, fear-mongering, distorting facts, and reports that have been discredited by the wider scientific community. They are using this bill to further a very dangerous agenda.

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onishi3 - Timothy

From: Jay Duquette <Jaymanmolokai@live.com>
Sent: Monday, February 16, 2015 9:29 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Jay Duquette

Kaunakakai, HI 96748

From: Trudy Elkins <trudyelkins@hotmail.com>
Sent: Monday, February 16, 2015 6:39 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Trudy Elkins

Kehai, HI 96753

From: Kevin Eminger <kevineminger@gmail.com>
Sent: Tuesday, February 17, 2015 10:18 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Kevin Eminger

Paradise, CA 95969

From: Peter Epperson <peterepperson@gmail.com>
Sent: Tuesday, February 17, 2015 9:49 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Peter Epperson

Mountain View, HI 96771

onishi3 - Timothy

From: eva roberts <evaart@earthlink.net>
Sent: Monday, February 16, 2015 6:59 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

eva roberts

kula, HI 96790

From: Gloria Faltstrom <gloriam@hawaii.rr.com>
Sent: Monday, February 16, 2015 9:42 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Gloria Faltstrom

Kaneohe, HI 96744

From: Megan Fox <megan.pittsley@gmail.com>
Sent: Monday, February 16, 2015 8:28 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Megan Fox

Lihue, HI 96766

From: Burt Furuta <bfuruta@hawaii.rr.com>
Sent: Monday, February 16, 2015 10:27 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Burt Furuta

Honolulu, HI 96813

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 10:10 AM
To: AGRtestimony
Cc: likowallace@ymail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Faye L Wallace	Individual	Support	No

Comments: I am in strong support that you establish disclosure requirements for outdoor applications of pesticides in proximity to schools, childcare facilities, and certain commercial agricultural entities. And to establish reasonable pesticide buffer zones for sensitive areas and penalties.

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onishi3 - Timothy

From: Mario Gaggero <tanegg@gmail.com>
Sent: Tuesday, February 17, 2015 7:25 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo
Mario Gaggero

Mario Gaggero

Kihei, HI

onishi3 - Timothy

From: Matt Graham <grahamr@gmail.com>
Sent: Tuesday, February 17, 2015 5:47 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Matt Graham

Kihei, HI

From: william greenleaf <bgreenleaf.maui@yahoo.com>
Sent: Tuesday, February 17, 2015 7:22 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

william greenleaf

Makawao, HI 96768

From: Stephen Grillo <grillos@mac.com>
Sent: Monday, February 16, 2015 7:04 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Stephen Grillo

PAHOA, HI 96778

onishi3 - Timothy

From: Bill Halterman <flathorn@aol.com>
Sent: Tuesday, February 17, 2015 7:07 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Bill Halterman

Pahoa, HI

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 7:23 PM
To: AGRtestimony
Cc: HARRISMDW001@hawaii.rr.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
William Harris, M.D.	Individual	Support	No

Comments:

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onishi3 - Timothy

From: Kathleen Hashimoto <kathyhashimoto@hawaii.rr.com>
Sent: Tuesday, February 17, 2015 7:40 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Kathleen Hashimoto

Kailua, HI

onishi3 - Timothy

From: Marlene Hawthorne <marhaw1943@gmail.com>
Sent: Tuesday, February 17, 2015 6:57 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Marlene Hawthorne

Kalaheo, HI

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 10:40 PM
To: AGRtestimony
Cc: foodsovereigntynow@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Mitsuko Hayakawa	Individual	Support	Yes

Comments: Aloha. Thank you for hearing this important bill HB1514 requiring the disclosure of pesticides and setting buffer zones around sensitive areas. Several years ago, my son was adversely affected by a general use pesticide from a home gardener two blocks away. He smelled the toxic odor and came down with dizziness and headache. If a general use pesticide should affect my child this way, I worry how a restricted use pesticide must affect children. It cannot possibly be safe. As a mother I have zero tolerance for any exposure acute or chronic to any child or kupuna. They do not have the defenses as a healthy adult would to protect themselves. Not only are we addressing the fact that these pesticides are highly toxic and dangerous to our most population, there should be careful attention to the fact that there are many RUPs and in large amounts and in high frequency. Even though pesticide sprayers of RUPs are supposedly well-trained, they cannot control drift or dust exposure. We must practice precaution with children and kupunas and set a decent size buffer zone. Their health and well-being should take precedence over financial gains. Residents also should be allowed to access information on what where and how much is being sprayed. It is a basic requirement that would allow our state officials to monitor usage as well.

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From: Ursula Heinz <heinz001@hawaii.rr.com>
Sent: Monday, February 16, 2015 9:59 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Ursula Heinz

Kaneohe, HI 96744

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 9:39 AM
To: AGRtestimony
Cc: ghew@hcsugar.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Garret Hew	Individual	Oppose	No

Comments:

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 10:23 AM
To: AGRtestimony
Cc: 243hhh@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Harry Hashimoto	Individual	Oppose	No

Comments: Stop picking on farmers. If you make a bill, have it effect everyone including homeowners and the schools themselves.

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onishi3 - Timothy

From: Gordon Inouye <GordonInouye@aol.com>
Sent: Tuesday, February 17, 2015 8:10 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Gordon Inouye

PAPAIKOU, HI

From: carole jokiel <cajokiel@yahoo.com>
Sent: Monday, February 16, 2015 6:54 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

carole jokiel

kaneohe, HI 96744

From: Diana Kahele <dkahele148@gmail.com>
Sent: Tuesday, February 17, 2015 8:58 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Diana Kahele

Hilo, HI 96720

onishi3 - Timothy

From: Allene Kaplan <aworthylife@gmail.com>
Sent: Tuesday, February 17, 2015 6:22 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Allene Kaplan

Hilo, HI

onishi3 - Timothy

From: Larry Keaton <lkeaton@hawaii.rr.com>
Sent: Tuesday, February 17, 2015 6:30 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Larry Keaton

Mililani, HI

From: Fran Kelly <frannyk808@gmail.com>
Sent: Monday, February 16, 2015 10:33 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Fran Kelly

honaunau, HI 96726

From: Sheryl Kincaid <Lapalika@aol.com>
Sent: Tuesday, February 17, 2015 8:32 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Sheryl Kincaid

Honolulu, HI 96825

From: gail koffman <gailkoffman@gmail.com>
Sent: Tuesday, February 17, 2015 7:58 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

gail koffman

fairfax, CA 94978

onishi3 - Timothy

From: Kim Kozuma <kimkdvm719@gmail.com>
Sent: Tuesday, February 17, 2015 9:39 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Kim Kozuma

Hilo, HI

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 9:21 PM
To: AGRtestimony
Cc: bkulbis@reagan.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Brett Kulbis	Individual	Oppose	No

Comments: I oppose this legislation. See these excerpts of testimony by 3rd Generation Papaya Farmer. "I strongly opposed HB 1514. This is an attack on local small agriculture. Though it may not be written for small farms, it will still affect us. In fact, it DIRECTLY affects us because our farm borders the Brigham Young Hawaii Campus. We have 6 acres that are bordering the men's and women's dormitories along our farm. If this law were to come into effect, we would loose that prime agricultural land that our farm has cultivated for over 25 years. To add to that, in those 25 years, we have not had a single complaint from any students, staff or faculty member from the campus. The fields that border the dormitories have infrastructure that we have personally invested in, they include roads, irrigation, soil amendmets and swales to prevent flooding or run off. If we were not allowed to continue farming in those fields, it would severely impact our production and ultimately our business. The exemption for the Pest and Termite Companies is very discriminatory towards farmers. They spray and use far more dangerous chemicals than we as farmers ever use. If we are to regulate and manage pesticide usage in Hawaii, it should be for everyone including businesses, golf courses, schools, government, even homeowners, not just farmers."

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onishi3 - Timothy

From: Gene Lamkin <gene_lamkin@hawaiiantel.net>
Sent: Monday, February 16, 2015 11:12 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Gene Lamkin

Keaau, HI

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 9:59 AM
To: AGRtestimony
Cc: makotolane@yahoo.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
makoto lane	Individual	Support	No

Comments: Please protect the young and elderly against known endocrine disruptors.

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 11:07 AM
To: AGRtestimony
Cc: avanipics@yahoo.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Avani Lange	Individual	Support	No

Comments: It is very important that we protect our children, our home and community from exposures to heavy duty chemicals and we have a right to our own personal health in which we would like to protect from a danger we feel to be a threat. We choose food as the way nature intended it, NO GMO!!!!

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From: Laurel C <laurel333ca@yahoo.ca>
Sent: Monday, February 16, 2015 7:08 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Laurel C

Holualoa, HI 96745

From: Amy Lavin <Alavin8@gmail.com>
Sent: Monday, February 16, 2015 2:14 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Amy Lavin

Kihei, HI 96753

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 5:15 PM
To: AGRtestimony
Cc: luann@tinroofranch.org
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
luann casey	Individual	Support	No

Comments: I support buffer zones and disclosure of pesticides that are being sprayed. Thank you, Luann Casey

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From: Leandra Celiz <leandranceliz@gmail.com>
Sent: Monday, February 16, 2015 6:06 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Leandra Celiz

Lahaina, HI 96761

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 3:55 AM
To: AGRtestimony
Cc: elise808@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Elise Lee	Individual	Support	No

Comments:

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 13, 2015 7:46 PM
To: AGRtestimony
Cc: bkdl@hotmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/13/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Brian Lehmann	Individual	Support	No

Comments:

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From: Bobbi Lempert <earthchild4ever@yahoo.com>
Sent: Monday, February 16, 2015 12:32 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Bobbi Lempert

Paia, HI 96779

From: Gordana Leonard <gordana@hawaiian.net>
Sent: Monday, February 16, 2015 3:44 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Gordana Leonard

Kailua Kona, HI 96745

From: Nancy Levis <Nancylevis@hotmail.com>
Sent: Monday, February 16, 2015 5:29 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Nancy Levis

lihue, HI 96766

From: Marjorie Lewis <marjorie.lewis7@hawaiiantel.net>
Sent: Monday, February 16, 2015 11:29 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Marjorie Lewis

Kapaa, HI 96746

onishi3 - Timothy

From: Martha Lind <mauimartha@hawaiiantel.net>
Sent: Monday, February 16, 2015 5:17 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Martha Lind

Makawao, HI 96768

From: Gary Lite <saildive@maui.net>
Sent: Monday, February 16, 2015 6:08 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Gary Lite

Kihei, HI 96753

Honorable Representative Clift Tsuji, Chair
Honorable Representative Richard H.K. Onishi, Vice Chair
Honorable Members of the Committee on Agriculture

RE: HB 1514 HD1 relating to usage regulation of Pesticides
WITH RESERVATIONS and ADDITIONS

Good Morning Chair Tsuji, Vice Chair Onishi and Members of the Committee on Agriculture:

The Committee on Energy & Environmental Protection made amendments to HB 1514 on February 5, 2015. I understand the concern with regulating the use of pesticides to prevent more accidents of school children being adversely affected by noxious smells in the surrounding areas of their schools and possibly to Hospitals and Care Facilities, but I suggest several other additions are necessary.

Please add:

- Other Establishments that also uses Pesticides, such as Nurseries, Botanical Gardens, Landscapers, City and County Department of Parks and State of Hawaii Department of Parks to the list besides Farmers.
- Please do not exclude Commercial Termite Companies from the list.

I feel these Enterprises also use Pesticides and also need to be regulated. One City and County of Honolulu's Nursery is on Paki Avenue, a few blocks from Waikiki Elementary School. There is also the City's Queen Kapiolani Garden or better known as the Rose or Hibiscus Garden below Monsarrat Avenue between Paki and Leahi Avenues, which is across Waikiki Elementary School and a few blocks from Jefferson Elementary School.

The Commercially licensed Termite Company that I use to treat pests inside and outside my home uses a spray form of a pesticide. I am instructed Not to walk over the area sprayed till after it dries.

These are my reasons for additions are needed to HB 1514 HD1.
Thank you for the opportunity to speak.

Daisy Murai, a resident of Kapahulu
3039 Kaunaoa Street
Honolulu, HI 96815
Dated: February 17, 2015

Date of Hearing: February 19, 2015
Time: 8:30 am
Conference Room 312

Honorable Representative Clift Tsuji, Chair
Honorable Representative Richard H.K. Onishi, Vice Chair
Honorable Members of the Committee on Agriculture

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3039 Kaunaoa Street
Honolulu, HI 96815
Dated: February 17, 2015

Date of Hearing: February 19, 2015
Time: 8:30 am
Conference Room 312

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 12:26 PM
To: AGRtestimony
Cc: elizailano@hotmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Eliza Ilano	Individual	Comments Only	No

Comments: Protect Hawaii's children by creating pesticide buffer zones around schools.

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From: elaine logan` <loveatmyworld@yahoo.com>
Sent: Monday, February 16, 2015 6:49 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

elaine logan`

kilauea, HI 96754

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 11:31 PM
To: AGRtestimony
Cc: vallohfoto@yahoo.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Valerie Loh	Individual	Support	No

Comments: Please support this bill that ensures the safety of our keiki/children by keeping harmful/toxic chemicals a safe(er) distance away from them, and allows effective penalties for violators. Thanks very much!

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From: Melinda I. Long <hikingmelinda@yahoo.com>
Sent: Monday, February 16, 2015 11:25 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Melinda I. Long

Kihei, HI 96753

From: Sunny Savage-Luskin <sunnysavage@gmail.com>
Sent: Monday, February 16, 2015 1:13 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Sunny Savage-Luskin

Haiku, HI 96708

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 9:32 AM
To: AGRtestimony
Cc: Janine@blackdogkauai.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM
Attachments: Testimony HB1514 Feb 2015.pages

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Janine Lynne	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 11:07 AM
To: AGRtestimony
Cc: orchid6128@aol.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
deb mader	Individual	Support	No

Comments: Aloha, My family strongly supports hb1514 asking for disclosure and buffer zones. I am victim of over-spray of Monsanto on their Maui Mokulele field, where only a dozen feet or so separates their gmo experimental crops from public sidewalk. I was on this public sidewalk in front of the Monsanto field on November 19, 2014 when I smelled a strong sweet perfume smell. It happened three times within 90 minutes. I became disoriented, feeling foggy. I suffered a headache and sore throat, irritated eyes, followed by a terrible dry cough which lasted 10 days. It took me two minutes once inside my car to figure out how to back up. I was not able to find out what was being sprayed or how much. I reported all of this to Lester Chin at Dept of Ag, who was supposed to investigate. There were several other people who suffered similar things at the same place and time. I have yet to hear back from Mr. Chin regarding his findings. I am lucky that my (then)6 month old was in the car with Grandma at the time this happened. Normally she goes everywhere I go, but the angels were looking over us that day as she did not breathe in the chemicals that I did. We desperately need to know what these companies are spraying. Particularly since they are conducting open-air GMO experiments where they are testing seeds for CHEMICAL RESISTANCE. An example that has me concerned is the new combo of 2,4D (components of agent orange) and glyphosate. The EPA has not approved this combined use (made by another company as "enlist duo")in the state of Hawaii, yet Monsanto has permits on file with the USDA to conduct field trials on soybeans testing for resistance to 2,4d and glyphosate. Meaning they are using the same components of "enlist duo" right here on Maui, probably in the same field that is so close to a public area. This is a where you can read the permit <http://www.isb.vt.edu/getRelDetail.aspx?bp=14-238-102rm> This is only ONE instance, ONE permit allowing open air testing of GMO seeds for CHEMICAL resistance...There are 178 records on file for 2014 for the state of Hawaii alone! I know that this bill does not single out one company, but I am hoping that the multi-national GMO corporations who have fields near schools and public sidewalks and homes will be included in those that will need to have buffer zones and disclosure, since they use a vastly LARGER AMOUNT of Restricted Use Pesticides than anyone else. We've seen what's happened to the school children in Waimea. KIDS ARE GETTING SICK! And yet, the poisoning is allowed to perpetuate. Living on Maui, I can assure you the problem of chemical exposure is not limited to the Garden Isle. It is happening here as well. Mahalo for listening to PEOPLE and placing our duty to uphold the public trust doctrine above corporate profits. The children (and those yet to be born) thank you for supporting HB1514 Malama 'Aina! Respectfully Yours, Deb Mader Creagh Kihei HI

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From: laurie makaneole <makaneole@yahoo.com>
Sent: Monday, February 16, 2015 3:23 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

laurie makaneole

koloa, HI 96756

From: Craig Malina <craigmalina@gmail.com>
Sent: Monday, February 16, 2015 2:05 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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Thank you for the opportunity to provide testimony.

Craig Malina

Hanalei, HI 96714

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 12:57 PM
To: AGRtestimony
Cc: jodimalinoski@yahoo.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Jodi Malinoski	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 7:14 PM
To: AGRtestimony
Cc: rnmsecretbonus@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Robert N Mansfield, Jr	Individual	Support	No

Comments: Hawaii State Representatives I am writing in strong support of HB 1514, which requires that the state establish pesticide buffer zones around schools and nursing homes to protect keiki and kupuna health. This bill also requires that restricted-use pesticide users disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift. These are common sense regulations that are in line with those of 33 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to where they live, learn, and play, and to restrict application near our schools. Many pesticides, including those already used on Hawai'i, are increasingly linked to cancers, hormone disruption, asthma and developmental delays. The pesticide chlorpyrifos exemplifies these concerns. Independent research from several institutions, including University of California - Berkeley and Columbia University, found that a mother's exposure to the pesticide during pregnancy is linked to lower IQ level and weaker working memory for her child, and increased likelihood of developing ADHD and autism. Children are exposed to pesticides where they live, learn and play. Pesticides regularly end up in water through runoff and percolate through groundwater, end up as residue on food or can be tracked in on parents' clothes, can be carried on dust or drift through the air – and remain there – sometimes many days after the initial application. The Environmental Protection Agency admits as much (1996): "...we recognize that some degree of drift of spray particles will occur from nearly all applications." It's no surprise then that hazardous pesticides are being found in close proximity to the state's children. And in some cases have directly led to hospital visits. Chlorpyrifos (product name: Lorsban) has been detected in the air near schools, including monitors operated by the University of Hawaii. The people of Hawai'i have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools and nursing homes are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use. I urge you to vote Yes on HB 1514. Thank you for the opportunity to provide testimony, Mr. Robert N. Mansfield, Jr. POB 601 Kaaawa, Hawaii 96730

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From: Marilyn Markley <rhio.gabriel@hawaiiantel.net>
Sent: Monday, February 16, 2015 7:10 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Marilyn Markley

Pahoa, HI 96778

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 10:21 PM
To: AGRtestimony
Cc: occupyhilomedia@yahoo.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Kerri Marks	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 2:16 PM
To: AGRtestimony
Cc: lisamarten@hawaii.rr.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Lisa Marten	Individual	Support	No

Comments: Aloha Chair and Representative. Please pass Bill 1514. It is a simple, low cost measure to protect our keiki from potential health and developmental problems. Mahalo, Lisa Marten

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 5:39 PM
To: AGRtestimony
Cc: mary.flemming333@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
mary	Individual	Comments Only	No

Comments: What more can I say than we must support the pesticide buffer zone bill. There is no real knowing what long term effects these pesticides have on our land and our people. Our kekie deserve to live a life that is free of the detriments of previous generatio ns. This is a place to start for the health and well being of seven future generations.

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 14, 2015 1:27 PM
To: AGRtestimony
Cc: meccaleccahi@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/14/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
mecca monson-gere	Individual	Support	No

Comments:

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 14, 2015 2:27 PM
To: AGRtestimony
Cc: MSMatson@Hawaii.rr.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/14/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Michelle Matson	Individual	Support	No

Comments:

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From: lise matthews <liselanglois@hotmail.com>
Sent: Monday, February 16, 2015 7:04 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

lise matthews

Kekaha, HI 96752

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 10:32 AM
To: AGRtestimony
Cc: diamondbranchhi@aol.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Brendan Balthazar	Maui Cattlemens Assn.	Oppose	No

Comments: This bill will not only put a lot of farmers and rancher out of business but limiting the control of weeds and pests. But will open them to litigation. What happened to we support agg. If we have to hire labor to pull and cut weeds we can't begin to compete with mainland products.

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Aloha, My name is Marghee Maupin and I am a primary care provider in Waimea on the Island of Kauai. I am representing myself, not my place of work.

I strongly support the protections and information that would be provided under HB1514 - the large buffer zone will provide a little more protection from drift and the disclosure is necessary for me to successfully diagnose and treat my patients.

I will briefly discuss 2 elements of this bill that are especially important to me: buffer zones and disclosure.

According to previous testimony on this hb1514 by Mr. Enright stated that "Most pesticide products will have the label statement "Avoid Drift" which requires the applicator to ENSURE that an application will not move off target and potentially cause unreasonable adverse effects." and in the testimony submitted by Ms. Misalucha from HCIA she states that "The safety of our employees and the community is of utmost importance to us and we follow strict federal and State pesticide laws and regulations carefully." Given these two statements by leaders in the agricultural industry I am confused how in 5 consecutive studies between 2010 and 2012, they identified the same 5 RUPs in air samples both inside and outside of Waimea Canyon Middle School. If safety is of the utmost importance and applicators need to ensure that no drift occurs, I would like Mr. Enright to explain how these 5 restricted use pesticide being used in adjacent fields were found in 5 these separate occasions INSIDE a middle school? Some will point out that the study says that the levels found in the school were below levels of concern..... I'm sorry but having ANY level of a restricted use pesticide in a school is too high of a level.... Remember ... We are talking about poison..... How much poison do you want your children or grandchildren exposed to? Can they be exposed to it every day as long as it is below a level of concern?

Disclosure is necessary for me to perform my duties as a health care provider. Mr. Enright also stated that pesticide reporting may require that his department hire some additional people. While that may be true, timely pesticide reporting and disclosure would assist health care providers in

identifying potential agents that are causing both acute and chronic diseases. Without disclosure I cannot rule out pesticide poisoning as the cause of diseases because right now with the data we have I need to assume that chemical spraying is occurring every single day. I can rule out things like smoking, bad diet, alcohol but not pesticides because we don't know what is being sprayed near my patients homes, their kids schools or our parks on the west side..... So, scientifically speaking if I rule out everything else through comprehensive histories, lab samples, and And I can find no causal relationship, then it seems like it could be the pesticides..... Give me disclosure and prove me wrong....

I have made dozens or more attempts to rally up support and get important information from the Department of Agriculture and The Department of Health. Most recently I made a desperate attempt to obtain guidance from Dr. Barbara Brooks, state toxicologist and Ann Kam, Kauai Pesticide officer. In 2 separate incidents, about one week apart I had a patient who had been working in the agrochemical fields. She made her way into the doorway of the clinic, after being dropped off by the agrochemical company nurse. She had become violently ill vomiting, dizziness, unable to catch her breath, sensitive to light and she was starting to lose consciousness. She was rushed by us in a wheelchair to the Emergency Room. The second person was seen one week later. She came to me with the exact same symptoms (she lives next to the agrochemical industries), yet she was losing consciousness more rapidly and again she was rushed to the emergency room in a wheelchair. She lost consciousness in the Emergency Room and was hospitalized the ICU for 5 days. Months later I got a call from Ms. Onaga (Dept of Ag) that the reason they did not help me with these patients is that I did not use the exact words "I need to know what, where and when pesticides were sprayed in the vicinity of where my patient fell ill and I need this information in order to treat my patient" I asked Ms Onaga to send me this information in an email to explain to me the exact process (this was 3 weeks ago and one half hour after testimony had been given at the capitol building on the first reading of HB1514 about how the Dept of Agro was not responsive I finally received a call. Also 2 weeks ago I emailed Dr. Barbara Brooks and asked her to please send me a pesticide reporting form. She did not answer my email.

As a health care provider on the front lines, I have never been able to get any assistance from any state agency to assure my patients health and safety. $\frac{3}{4}$ mile buffer zones and full disclosure will be a step towards proper and safer care for my patients.

January 2014 – December 2014 Suspected Pesticide Illness Report

The following compilation of unidentifiable people is a list of patients I have seen through the entire year of 2014. This compilation has been sent monthly to the Department of Health and other agencies such as Department of Agricultural. I have never received a useful response. In fact I have rarely have gotten any response at all.

I have worked to rule out possible causes for their sicknesses and have come to the supposition that pesticide exposure is the responsible offender that is triggering their illnesses.

Patients with potential pesticide exposure ailments

Jan-14

Patient	Age	Age	Age	Age	Age	Ailments / Diagnosis	Comments
	0-12	13-20	21-35	35-50	50+		
1					X	Asthma, chronic sinusitis, allergies, fatigue, dysequilibrium	Symptoms started when pt moved here around year 2000; chronic allergies, asthma, frequent skin rashes, fatigue, burning eyes. Reports consistently cleaning red dirt of countertops, in fan, etc. Patient and no one in home smokes
2				X		Chronic sinus infections, asthma, fatigue	Symptoms since moving here from mainland one year ago. Patient and no one in home smokes.
3			X			Sever Asthma frequently coughing until vomiting, burning eyes, severe allergies, chronic sinusitis, chronic rashes	Moved th Makaweli from another pat of island. This is when symptoms started. She has been to the emergency room on a regular basis for difficulty breathing. Have used multiple medications for her with little response. Patient and no one in home smokes.
4					X	Severe allergies, severe asthma, multiple hospitalizations, very frequent visits to clinic for difficulty breathing	Symptoms much worse following a pattern of first heavy rains, then hot still days (I believe this is due to revitalization {after speaking to PANNA scientist, Enily Marquez} of pesticide saturated ground on west side). Also symptoms worse when wind picks up. Reports having to consistently clean red dust off countertops. Pt takes daily high dose steroids and multiple other meds for asthma and allergies. Patient lives alone and does not smoke.
5					X	Allergies, asthma, chronic sinusitis, frequent nausea, frequent headaches, coughing a lot at night	Patient has these conditions ongoing. Some days worse than others. Patient does not smoke and no one in house smokes.
6				X		Dizziness, fatigue, depression, anxiety, diabetes, hypertension	Patient is a smoker. I am working with him on smoking cessation. Patient works for seed corn companies.
7					X	Headaches, fatigue, difficulty breathing, wheezing	Patient was gone on mainland for 3 months and immediately upon her return home to Makaweli she started having daily headaches, fatigue and difficulty breathing.
8			X			Asthma, allergies	Patient moved to Waimea from Lihue one month ago. Patient lived on mainland before moving to Lihue (where she also lived for one month). She never has had asthma before, yet she had mild allergies as a very young child. Her mother was in room to confirm. Patient does not smoke. Unsure if she has passive smoke exposure. This is the first time she is being prescribed a rescue inhaler.
9					X	Severe chronic sinusitis - requiring surgeries, Allergies. Sinusitis, after surgeries, conities to be a problem	Patient says he often feels difficulty breathing and cannot find relief. Sometimes hot showers help.
10					X	Chronic cough, asthma, chronic allergies	Patient lives alone and does not smoke. Also had flair up, I believe due to revitalization on hot steamy day after heavy rains. She is on her 2nd antibiotic in less than 10 days for sinusitis and bronchitis.

Feb-14

Patient	Age	Age	Age	Age	Age	Ailments / Diagnosis	Comments
	0-12	13-20	21-35	35-50	50+		
1	X					New onset of asthma, allergies and frequent respiratory infections	Lives in Kekaha. Became ill with these symptoms since moving from mainland one year ago
2				X		Resistant severe sore throat, cough, fatigue	Works for seed company
3	X					Resistant allergies, wheezing, bloody noses on and off	Lives in Kekaha and sometimes stays in Kalaheo. Symptoms greatly improve when he stays in Kalaheo
4			X			Chronic respiratory infections, allergies, rashes	Lives in Waimea. Symptoms improve when she is not working on the west side (her job requires that she travel to different parts of the island)
5	X					frequent bloody noses	Lives in Kekaha
6					X	Burning eyes and nose on and off, chronic allergies	Lives in Waimea. She is a smoker. However these symptoms started several years ago and she has been a smoker for several decades
7	X					Chronic allergies	Ill since moving from the mainland to Kekaha one year ago
8					X	New onset of asthma	Lives in Kekaha

Mar-14

Patient	Age	Age	Age	Age	Age	Ailments / Diagnosis	Comments
	0-12	13-20	21-35	35-50	50+		
2	X					Recurring nasal congestion with frequent earaches	Lives in Kekaha
3					X	Chronic asthma and allergies	Lives in Waimea
4			X			Chronic sinus congestion, asthma	Lives in Kekaha. Symptoms clear up when she stays in Kalaheo
5					X	recurring sore throat	Lives in Kekaha

Apr-14

Patient	Age	Age	Age	Age	Age	Ailments / Diagnosis	Comments
	0-12	13-20	21-35	35-50	50+		
2	X					Recurring cough, congestion	Lives in Kekaha
3			X			Chronic sinusitis, asthma, allergies	Lives in Makaweli. Had asthma as a child. Recurrence of sx's when moved to west side
4					X	Chronic low oxygen saturatuin, asthma, allergies burning eyes	Pt stayed at condo in Princeville for one week and symptoms completely resolved
5					X	Cough, fatigue	Lives in Kekaha
6					X	Recurring cough and allergies	Lives in Kekaha
7					X	Asthma, allergies, fatigue, headaches	Lives in Waimea Valley. Just moved from off island in March. When she moved here she developed significantly worse asthma, allergies and had to start on a daily steroid inhaler which she has never had to use in the past
8					X	Recurring cough	Lives in Kekaha
9					X	Chronic asthma, allergies	Lives in Waimea Valley. Having to use nebulizer 3 times a day, besides other meds that he uses daily for asthma and allergies. Having difficulty with exercising regularly due to the chronic shortness of breath. He sees the pulmonoligist on a regular basis
10					X	Chronic sore throat, asthma	Lives in Kekaha. Treated multiple times with steriods, antibiotics, nasal sprays, inhalers. Symptoms persist
11				X		chronic nosebleeds	since moving to Kekaha from mainland
12			X			chronic rash	Lives in Waimea. Resistent to treatment
13			X			Chronic asthma, allergies	Moved to Kauai from Washington state. The entire time she lived in Washington (9 years - never had to use allergy or asthma medicines) she did not have asthma symptoms. Patient lives in Kapaa. She has severe allergies and asthma symptoms when she comes to work in Waimea 5 days a week. She does not have these symptoms at home in Kapaa

May-14

Patient	Age	Age	Age	Age	Age	Ailments / Diagnosis	Comments
	0-12	13-20	21-35	35-50	50+		
1					X	Asthma	Agro-chemical worker not responding adequately to treatment, coughs more at work than at home
2					X	Dizziness, headaches, nausea	Worked in Agro-chem fields, laid off and symptoms resolved
3				X		Asthma, bronchitis	Pt reports high/close exposure to pesticides at agrochemical companies and told does not have to worry or wear PPE. Asthma only as a child, returned when he went to work at agrochemical companies 20 years later
4				X		Ongoing cough, wheezing - not responding to Rx	Asthma as a child, return of asthma in his 30's - works at PMRF - high exposure to toxins
5					X	Allergies, wheezing resistant to treatment	Works at agrochemical company - told he doesn't need PPE even though he works closely with pesticides
6					X	Painful burning itchy eyes	Lives in Waimea valley - also wheezing
7				X		Diarrhea, fatigue and headaches	was reported after a heavy rain and then a still, hot day... expect volatilization
8					X	Asthma	Asthma not responding well to typical treatment, lives in waimea valley
9					X	Coughing, wheezing, rash, runny nose, nausea, diarrhea	Not responding well to treatment, lives in Kekaha
10					X	Coughing, wheezing, rash, runny nose, nausea, diarrhea	Cough and wheeze for more than 1 month, responding poorly to treatment - lives in Kekaha
11					X	Dizzy at work, sob, wheezing, runny nose	Works for Agrochemical company
12					X	Asthma, cough, responding poorly to treatment	Lives in Kekaha
13					X	Allergies - responding poorly to treatment	Works for agrochemical company
14					X	Ongoing cough - responding poorly to treatment	Lives Kekaha
15			X			Recurrence of asthma after many years of no symptoms	Lives in Kaumakani
16				X		Cough / allergies and asthma - poor response to treatment	Lives in Makaweli
17					X	Chronic cough, asthma, responds poorly to treatment	Lives near coffee fields and wheezes at home
18					X	Chronic cough, asthma, responds poorly to treatment	Lives in Waimea
19					X	Astma, allergies, dizziness fatigue, responds poorly to treatment	Illnesses started when moved to waimea about 10 years ago - currently lives in Waimea
20		X				Asthma, Cough, Hemoptysis since April - responding poorly to treatment	Lives in Waimea

Jun-14

Patient	Age	Age	Age	Age	Age	Ailments / Diagnosis	Comments
	0-12	13-20	21-35	35-50	50+		
1					X	Ongoing cough, poorly responding to treatment	Lives in Kekaha
2					X	Chronic cough and allergies responding poorly to treatment	Lives in Kekaha
3				X		Ongoing cough and allergies, headaches for 5 months (poorly responding to treatment)	Lives in Kekaha
4			X			Ongoing Allergies	Lives in Makaweli
5				X		Asthma, allergies - poorly responding to treatment	Never had asthma until she moved from off-island to Kekaha
6					X	Breast Cancer, Parkinsons	Lives in Waimea
7				X		Dizziness, nausea, lightheadedness	Symptoms worse at work - works for agrochemical company
8					X	Diagnosed with cancer of the neck - metasticized	No risk factors, eats out of organic garden, has lived in Kekaha for several decades

July-14

Patient	Age	Age	Age	Age	Age	Ailments / Diagnosis	Comments
	0-12	13-20	21-35	35-50	50+		
1					X	Dizziness and chronic cough - poorly responds to treatment	Works for agrochem company
2		X				Chronic cough - responds poorly to treatment	Lives in Kekaha
3					X	Allergies, eye irritation, dry cough	Started having these symptoms when moved to Waimea from Oahu (4 months ago)
4					X	Ongoing asthma, allergies, poor response to treatment	Lives in Kekaha
5	X					Wakes up with bloody nose on pillow - 3 to 4 times per week and increased problems learning in school	Lives in Kekaha
6					X	Ongoing asthma and allergies, poorly responding to treatment	Lives in Kekaha
7					X	Ongoing asthma and allergies, poorly responding to treatment	Lives in Kekaha
8				X		Severe Asthma, daily immunosuppressants, poor response to treatment	Lives in Kekaha
9					X	Chronic cough, shortness of breath, asthma poorly responding to treatment	Lives in Kekaha
10	X					Asthma, allergies and rarely had symptoms until moved to Kekaha from Oahu 3 months ago	Lives in Kekaha
11					X	Severe asthma, immunosuppressants daily. Hospitalized approximately once a month for asthma - takes great self-care	Lives in Waimea
12		X				Chronic asthma, allergies - poor response to treatment	Lives in Kekaha

August-14

Patient	Age	Age	Age	Age	Age	Ailments / Diagnosis	Comments
	0-12	13-20	21-35	35-50	50+		
1					x	chronic cough and asthma, htn	Lives in Kekaha, works in agro chem fields
2		x				New onset of allergies, asthma	sx's not responding well to treatment. Lives in Kekaha
3					x	Persistent dry cough, allergies	Sx's since mid 2013 when she moved from Oahu to Kauai
4					x	chronic runny nose and cough	Lives in Kekaha
5	x					chronic, allergies, asthma, nosebleeds	Lives in Kekaha (has sx's) and lives Kapaa part time (no Sx's). Mother reports that he is starting to have harder time learning.
6					x	chronic cough, asthma, allergies	Lives in Kekaha
7					x	cough, wheeze	Not responding to treatment. Lives in Kekaha
8		x				persistent cough, asthma	Sx's started when pt moved to Kekaha from Oahu 3 weeks ago
9			x			Chronic allergies, asthma, rashes	Just since moving to west side. She lives in Makaweli
10			x			Chronic allergies, asthma, sinusitis	Resistant to treatment. Lives in Kekaha
11					x	Severe asthma, daily prednisone, frequent hospitalizations	Lives in Waimea. Reports that she often smells harsh chemicals in the air. Then they go into air condition room (large family) to avoid smell
12		x				Chronic allergies and asthma with daytime sleepiness due to sx's	Lives in Kekaha

September-14

Patient	Age	Age	Age	Age	Age	Ailments / Diagnosis	Comments
	0-12	13-20	21-35	35-50	50+		
1		x				chronic allergies and asthma	may have secondary exposure due to family members work at agro companies.
2		x				chronic allergies, asthma, headaches, fatigue	Lives in Waimea
3					x	New onset of asthma - first time in life	Lives in Eleele
4					x	fatigue, body aches, coughing, stuffy nose,, less appetite, diarrhea	Pt reports that her son smells harsh chemicals in the air frequently. Lives in Waimea
5				x		headaches, body aches, sore throat, congestion, dizziness, fatigue, loss of appetite	States neighbors in area (most of them) have the same sx's. She lives in Kaumakani next to the coffee fields.
6	x					Sever allergies, asthma.	Mother reports that they frequently smell chemicals in the air. Lives in Kekaha
7				x		Significant acute on chronic asthma.	Lives in Makaweli and works for agro companies.
8				x		Asthma, allergies and fatigue with chronic sinus infections	Lives very close to agrochemical companies. Her sx's started when she moved from Oahu to Kauai. She reports that her whole family has the same chronic sx's. Lives in Kekaha. Pt comes in with these c/o frequently
9							
10							

October-14

Patient	Age	Age	Age	Age	Age	Ailments / Diagnosis	Comments
	0-12	13-20	21-35	35-50	50+		
1					x	Chronic Weakness, SOB	Lives in Hanapepe. She was just in Las Vegas and was free of these sx's.
2	x					Chronic nosebleeds 2-3 x/day, asthma,	Has been going to ER for severe nosebleeds. Lives between Hanapepe and Ni'ihau.
3					x	chronic respiratory sx's and recurring pneumonia	Lives in Kekaha
4					x	chronic allergies, asthma, recurring URI's	Lives in Kekaha and reports that she cleans the floor day and evening (of red dirt that blows in).
5					x	Chronic allergies, asthma	Lives in Makaweli
6			x			Recurring sinus infections	Lives in Eleele, works in Waimea
7					x	Chronic dizziness	Lives in Kekaha
8					x	Chronic sinusitis	Lives in Hanapepe, works in Waimea
9					x	URI for 3 weeks, fatigue	Lives in Waimea
10			x			chronic sinusitis and allergies	Lives in Waimea

November-14

Patient	Age	Age	Age	Age	Age	Ailments / Diagnosis	Comments
	0-12	13-20	21-35	35-50	50+		
1				x		frequent allergies, sinusitis,	Lives in Kekaha
2					x	New onset f asthma	Lives in Kekaha
3					x	Very Short of breath, in and out of consciousness	Lost consciousness and was hospital for 5 days. Lives next to Dow fields. Made an attempt to report to either DOA or DOH (can't remember, b/c they refused to take my report). They said the pt had to report. Not sure how she would do this since she had lost consciousness. Was of course rushed to the ER.
4					x	lives close to Pioneer - had sudden onset of dizziness, vomitting and lightheadedness after smelling a "sweet -like" odor. Also with chronic asthma, fatigue, allergies	Lives in Waimea, very close to Pioneer.
5					x	chronic asthma. Now using rescue inhaler 2-3 times a day.	Lives very close to pesticide spraying (pioneer). Last time she had asthma (before the current frequent asthma sx's) was 1992
6					x	6 month cold with asthma	
7							
8							
9							
10							

December-14

Patient	Age	Age	Age	Age	Age	Ailments / Diagnosis	Comments
	0-12	13-20	21-35	35-50	50+		
1					x	Chronic Asthma and allergies	Lives in Kekaha
2					x	Severe ashtma with multiple hospitalizations. Has taken Prenisone for years now	Lives in Waimea Valley
3			x			Chronic sinusitis	Lives in Eleele
4					x	Chroni allergies, asthma, hypertension	Exceptionally healthy lifestyle. Organic gardener, including taro. Has lived on Waimea River for his entire life. Used to swim, fish and allow his animals in river. He says now there is a chemical substance that collects on the surface of the river and the river smells like chemicals. He says alll his grandchildren have nebulizers for their asthma and they use it regular and he tells the same story about the majority of his neighbors. He is very disturbed about the change in the environment and his families health.
5			x			Chronic sinusitis and cough, pregnant	Lives in Kekaha. Leaves the country for several months every year and symptoms resolve.
6				x		prolonged cold sx's, fatigue, shortness of breath, new onset of asthma	Lives in Hanapepe. Sx's started when he moved from Alaska to Kauai about 3 weeks ago
7			x			chronic sinusitis and asthma	Lives in Kekaha. Pregnant
8		x				Seen for confirmation of pregnancy	Works for agroceimical companies and has been convinced by her bosses that she is at no har, nor is her baby due to wrking in agrochemical fileds
9						Chronic asthma and allergies	Lives in Kekaha
10					x	Shortness of breath with work responsibilities	Pt chases chickens in the agroceimical fields as this is his full time job responsibility
11					x	Chronic dty cough and allergies	Lives in Kekaha
12			x			Chronic sinusitis	Lives in Kekaha. Pregnant
13			x			Chronic upper respiratory sx's	Lives in Waimea
14				x		Chronic dry cough	Pesticide applicator
15	x					Chronic allergies and asthma	Lives in Eleele
16					x	Chronic cold sx's, breast cancer	Lives in Kekaha
17					x	Chronic Asthma and allergies	Lives in Kekaha
18			x			Chronic rashes, resistant to treatment	Lives in Kekaha

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 13, 2015 4:11 PM
To: AGRtestimony
Cc: mmcardle19@aol.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/13/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Peggy McArdle	Individual	Support	No

Comments: Aloha. What is one life worth? Health costs to the Public must be paramount in all decision making at the County and State level. Allowing banned pesticides in Hawaii's environment is reckless and irresponsible. Who do YOU work for? Do you work for the Chemical/Ag Corporations or for the People of Hawaii? Please vote to SUPPORT HB1514. Please Protect Hawaii's Keiki and all Hawaii's Citizens. Mahalo Rep. Chris Lee for introducing this must needed legislation.

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Do not reply to this email. This inbox is not monitored. For assistance please email webmaster@capitol.hawaii.gov

onishi3 - Timothy

From: Diana McClure <dirathbun2@aol.com>
Sent: Monday, February 16, 2015 9:29 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo
Diana McClure
Kahului, HI 96732

Diana McClure

kahului, HI

From: Lisa McDaniel <lisamcdaniel@sbcglobal.net>
Sent: Monday, February 16, 2015 10:35 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Lisa McDaniel

Waialua, HI 96791

onishi3 - Timothy

From: Evelyn McDermott <ilovethehawaiianislands@yahoo.com>
Sent: Monday, February 16, 2015 9:25 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Evelyn McDermott

Ewa Beach, HI

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 11:58 AM
To: AGRtestimony
Cc: rmmx3@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Rosanne McDonald	Individual	Support	No

Comments: This bill **MUST** pass!! Please take this step and let us know that we are living in a safe environment Mahalo

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From: Andrea McGarty <vincitquisevincit@live.com>
Sent: Monday, February 16, 2015 1:49 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Andrea McGarty

Honolulu, HI 96815

From: Julia McGovern <mcgovern.je@gmail.com>
Sent: Monday, February 16, 2015 2:49 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Julia McGovern

Waimea, HI 96796

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 9:40 AM
To: AGRtestimony
Cc: haikukatie@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Katie McMillan	Individual	Support	No

Comments: I cannot understand why anyone would oppose pesticide buffer zones. Pesticides are toxic chemicals and are scientifically proven to cause cancer. Regardless of the yet to be determined safety of GMO's, these pesticides are already proven to harm life. No one would be near these chemicals without protective gear on. People in their homes and children ins schools are vulnrable because they don't have access to such gear nor or they even told what is being sprayed and when. This is a huge public safety issue and it must be stopped. Chemicals cannot be unregulated and there use be kept a secret.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 2:24 AM
To: AGRtestimony
Cc: kanakamind@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Keoki Medeiros	Individual	Support	No

Comments: We need to create pesticide buffer zones and disclosure requirements for the largest users of Restricted Use Pesticides here in Hawaii. As a registered nurse it is frustrating to see how difficult it has been to protect our families and our aina. I fully support HB1514.

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From: Javier Mendez <mendezj@hawaii.edu>
Sent: Monday, February 16, 2015 1:55 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Javier Mendez

Honolulu, HI 96817

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 11:08 PM
To: AGRtestimony
Cc: chris@mentzel.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Chris Mentzel	Individual	Support	No

Comments:

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From: WILLIAM MEYERS <wrmeyerscoinc@gmail.com>
Sent: Monday, February 16, 2015 1:29 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

WILLIAM MEYERS

kula, HI 96790

onishi3 - Timothy

From: Mark Gordon <mark.gordon333@gmail.com>
Sent: Monday, February 16, 2015 4:47 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Mark Gordon

Waikiloa, HI 96738

From: Robin Midkiff <robinm1099@gmail.com>
Sent: Tuesday, February 17, 2015 10:34 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Robin Midkiff

Honolulu, HI 96817

From: Vanessa Millard <vanessa@darylmillard.com>
Sent: Monday, February 16, 2015 1:25 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Vanessa Millard

Lahaina, HI 96761

From: Tracy Mills <tracy.emills@gmail.com>
Sent: Monday, February 16, 2015 2:41 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Tracy Mills

Haiku, HI 96708

onishi3 - Timothy

From: Susan Miyasaka <miyasaka@hawaii.edu>
Sent: Monday, February 16, 2015 9:24 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Susan Miyasaka

Hilo, HI

onishi3 - Timothy

From: Terence Moniz <tmgundog@aol.com>
Sent: Monday, February 16, 2015 9:30 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Terence Moniz

Keaau, HI

onishi3 - Timothy

From: Diana Montgomery-Brock <brock002@hawaii.rr.com>
Sent: Tuesday, February 17, 2015 6:56 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Diana Montgomery-Brock

Mililani, HI

From: Sherrie Moore <sherrie@hawaiiantel.net>
Sent: Monday, February 16, 2015 2:27 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

STOP the poisoning of our islands!

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

STOP the poisoning of our islands!!!

Thank you for the opportunity to provide testimony.

Sherrie Moore

Pahoa, HI 96778

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 9:51 AM
To: AGRtestimony
Cc: res1z0vb@hawaiiantel.net
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Dana G. Moss	Individual	Support	No

Comments: This sounds and feel respectful with a layer of protection for all our Keki and any one who could be in a direct line of fire from drifting over spray. This already has happened on Kauai. Please support this with vigor

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onishi3 - Timothy

From: ed moya <earthling808@earthlink.net>
Sent: Monday, February 16, 2015 11:23 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

ed moya

Ewa Beach, HI 96706

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 13, 2015 7:33 PM
To: AGRtestimony
Cc: miles@aloha.net
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/13/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Miles Mulcahy	Individual	Support	No

Comments: I support this measure

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From: Dwayne Munar <dwayne_munar@yahoo.com>
Sent: Monday, February 16, 2015 1:13 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Dwayne Munar

Waianae, HI 96792

From: Arika Murphy <Arika.hultquist@gmail.com>
Sent: Monday, February 16, 2015 11:49 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Arika Murphy

Lahaina, HI 96761

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 3:38 AM
To: AGRtestimony
Cc: jemray@hawaii.rr.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Jan Murray	Individual	Support	No

Comments: I support full disclosure and buffer zones. Sometimes 50% of the children are out sick in elementary schools. I support the ban of all pesticides, but having full disclosure and buffer zones offers a little protection that is better than nothing. Mahalo Janet Murray Kailua Kona

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From: Carol murry <murry@hawaii.edu>
Sent: Monday, February 16, 2015 5:35 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Carol murry

Honolulu, HI 96826

onishi3 - Timothy

From: masao nakamura <nakamura1382@aol.com>
Sent: Monday, February 16, 2015 10:51 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

masao nakamura

Hilo, HI

From: Michele Nihipali <nihipalim001@hawaii.rr.com>
Sent: Monday, February 16, 2015 2:08 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Michele Nihipali

Hauula, HI 96717

From: Lehua Nishimura <lehua752@gmail.com>
Sent: Tuesday, February 17, 2015 9:25 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Lehua Nishimura

Honolulu, HI 96814

From: Pat and Glenn Nitta <psnitta@hawaii.rr.com>
Sent: Monday, February 16, 2015 4:59 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Pat and Glenn Nitta

Waimea, HI 96796

onishi3 - Timothy

From: Darcey Nobriga <info@heartofpalmhi.com>
Sent: Monday, February 16, 2015 9:32 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Darcey Nobriga

Laupahoehoe, HI

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 14, 2015 4:15 AM
To: AGRtestimony
Cc: raphiell@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/14/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Raphiell Nolin	Individual	Support	No

Comments:

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From: Barbara Nosaka <barbrick@hawaiiantel.net>
Sent: Monday, February 16, 2015 1:57 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Barbara Nosaka

Honolulu, HI 96822

onishi3 - Timothy

From: Curt Oishi <curtsoishi@yahoo.com>
Sent: Monday, February 16, 2015 11:14 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Curt Oishi

Hilo, HI

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 9:12 AM
To: AGRtestimony
Cc: aniko65@live.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Avi Okin	Individual	Support	No

Comments: We need more than buffer zones to prevent degradation of our health from those who have little or no regard for our lives. This is a start, but not the whole equation. Please support this beginning for all our health sakes.

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From: jeremiah oldfather <jeremiah_jko@yahoo.com>
Sent: Tuesday, February 17, 2015 7:44 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

jeremiah oldfather

honokaa, HI 96727

onishi3 - Timothy

From: gwendolyn olins <hulaheaven@aol.com>
Sent: Monday, February 16, 2015 1:42 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

gwendolyn olins

Kailua-Kona, HI 96740

From: Susan Oliver <Susan.d.oliver@gmail.com>
Sent: Monday, February 16, 2015 12:32 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Susan Oliver

Ocean View, HI 96737

From: Melissa Olivit <molivit@yahoo.com>
Sent: Tuesday, February 17, 2015 9:28 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Melissa Olivit

Haiku, HI 96708

From: Lindsey Ono <Keahiahau@gmail.com>
Sent: Monday, February 16, 2015 5:16 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Lindsey Ono

Honolulu, HI 96816

From: Katherine Orr <ksorr8@gmail.com>
Sent: Monday, February 16, 2015 1:06 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Katherine Orr

Kaneohe, HI 96744

From: Alex Oshiro <djrx.cares@hawaii.rr.com>
Sent: Monday, February 16, 2015 6:26 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Alex Oshiro

Honolulu, HI 96814

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 11:44 AM
To: AGRtestimony
Cc: mary@mauivortex.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Mary Overbay	Individual	Support	No

Comments: Aloha Representatives, I support HB1514 because I think all citizens, and especially children, should have access to organic food, and have clean air, land, and water. Sadly that is not possible. This bill takes one baby-step toward protecting our children from the onslaught of corporations poisoning us for profit. Our health, and our children’s health, and Hawai’i’s economic future depend on transitioning to commercial organic gardening, just like we do at home. If Hawaii wants to grow its agribusiness it needs to grow Organic, because the price of Organic food is skyrocketing, and becoming difficult to buy at any price. According to a recently published report from the American Academy of Pediatrics, [1] their main concerns for children are increased risk of childhood cancers,[2] neurobehavioral & cognitive deficits,[3],[4],[5] adverse birth outcomes,[6],[7] and asthma ALL due to pesticide exposure.[8] Our bees and butterflies are dying! Will our children be next? [1] Roberts, J. R. & C. J. Karr. (2012). “Pesticide Exposure in Children”. Council on Environmental Health. Pediatrics, 130(6): e1757-e1763.

<http://pediatrics.aappublications.org/content/130/6/e1757.full.html> [2] Infante-Rivard C. Labuda, D. Krajinovic, M. & D. Sinnett. (1999). “Risk of childhood leukemia associated with exposure to pesticides and with gene polymorphisms.” Epidemiology, 10(5): 481-487. [3] Rauh, V. Arunajadai, S. Horton, M. et al. (2011). “Seven-year neurodevelopmental scores and prenatal exposure to chlorpyrifos, a common agricultural pesticide.” Environmental Health Perspectives. 119(8): 1196–1201. [4] Bouchard, M.F. Chevrier J, Harley, KG et al. (2011). “Prenatal exposure to organophosphate pesticides and IQ in 7-year-old children.” Environmental Health Perspective, 119(8): 1189–1195. [5] Engel, S.M. Wetmur, J. Chen, J. et al. (2011). “Prenatal exposure to organophosphates, paraoxonase 1, and cognitive development in childhood.” Environmental Health Perspectives. 119(8): 1182–1188. [6] Garry, V.F. Schreinemachers, D. Harkins, M. E. & J. Griffith. (1996). “Pesticide applicators, biocides, and birth defects in rural Minnesota.” Environmental Health Perspective, 104 (4), 394-399. [7] Garry, V.F. Harkins, M.E. Erickson, L.L. Long-Simpsons, L.K. et al. (2002). “Birth defects, season of conception, and sex of children born to pesticide applicators living in the Red River Valley of Minnesota, USA.” Environmental Health Perspectives, 110 (Suppl. 3): 441-449. [8] Salam, M.T. Li, Y.F. Langholz, B. Gilliland, F.D. & Children’s Health Study. (2004). “Early-life environmental risk factors for asthma: findings from the Children’s Health Study.” Environmental Health Perspective, 112(6): 760–765.

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the

convening of the public hearing.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 10:15 AM
To: AGRtestimony
Cc: faypacheco@yahoo.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Fay I Pacheco	Individual	Support	No

Comments: I strongly urge you to vote in favor of establishes disclosure requirements for outdoor applications of pesticides in proximity to schools, childcare facilities, and certain commercial agricultural entities. Also, to establishes reasonable pesticide buffer zones for sensitive areas and penalties.

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From: Hillary Palmer <hlbpalmer@gmail.com>
Sent: Monday, February 16, 2015 2:25 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Hillary Palmer

Makawao, HI 96768

From: Lisa Parker <lisaparker@hotmail.com>
Sent: Tuesday, February 17, 2015 9:12 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Lisa Parker

Kapaa, HI 96746

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 14, 2015 6:04 AM
To: AGRtestimony
Cc: mauibrad@hotmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/14/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Brad Parsons	Individual	Support	No

Comments:

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From: Patricia Blair <Patriciablair@msn.com>
Sent: Monday, February 16, 2015 1:12 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Patricia Blair

Kailua, HI 96734

onishi3 - Timothy

From: Lesley Patton <grammawl@gmail.com>
Sent: Monday, February 16, 2015 7:21 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Lesley Patton

Kapaau, HI 96755

Unified United States Common Law Grand Jury:

P.O. Box 59; Valhalla, New York, 10595; Fax - (888) 891-8977

WRIT OF QUO WARRANTO

5 SERVED VIA UNITED STATES POSTAL SERVICE TO: United States Supreme Court
Judges and all Federal District Judges:

10 FILED VIA UNITED STATES POSTAL SERVICE IN: US Supreme Court & All United
States District Courts

*"Silence can only be equated with fraud where there is a legal or moral duty to speak,
or where an inquiry left unanswered would be intentionally misleading..."¹*

15

- Official proceeding 18 USC §1512 • Clerk is to file. 18 USC §2076 • Felony to conceal or remove 18 USC §2071

20 Bar controlled federal and state court judges, by their presumed authority, contrary to their oath
and duty fraudulently claim the Constitution for the United States and its cap-stone Bill of Rights
abolished by traitorous bar controlled legislators, acts of conspiracy, treason and war against the
United States.

25 We the People Decree by Quo Warranto all said unconstitutional legislation null and void and
declare all such subversives enemies of the Peoples of the United States of America and order all
United States Marshals, Bailiffs, County Sheriffs and Deputies to arrest all such federal and state
judges for conspiracy, treason and breach of the peace when witnessing the violation of Peoples'
unalienable rights from the bench, in violation of Article III Section 3 for levying war against the
people, adhering to the enemy, giving aid and comfort.²

30 18 U.S. Code §2385 WHOEVER ORGANIZES OR HELPS OR ATTEMPTS TO ORGANIZE ANY SOCIETY, GROUP,
OR ASSEMBLY OF PERSONS WHO TEACH, ADVOCATE, OR ENCOURAGE THE OVERTHROW OR DESTRUCTION
OF ANY SUCH GOVERNMENT³ BY FORCE OR VIOLENCE; OR BECOMES OR IS A MEMBER OF, OR AFFILIATES
WITH, ANY SUCH SOCIETY, GROUP, OR ASSEMBLY OF PERSONS [BAR], KNOWING THE PURPOSES THEREOF -
SHALL BE FINED UNDER THIS TITLE OR IMPRISONED NOT MORE THAN TWENTY YEARS, OR BOTH...

¹ U.S. v. Tweel, 550 F.2d 297, 299. See also U.S. v. Prudden, 424 F.2d 1021, 1032; Carmine v. Bowen, 64 A. 932

² Article III Section 3. Treason against the United States, shall consist only in levying war against them, or in adhering to their enemies, giving them aid and comfort.

³ Preamble We the people of the United States, in order to form a more perfect union, establish justice, insure domestic tranquility, provide for the common defense, promote the general welfare, and secure the blessings of liberty to ourselves and our posterity, do ordain and establish this Constitution for the United States of America. Article I Section 8 To make rules for the government and regulation of the land and naval forces;

WRIT QUO WARRANTO⁴

"It will be an evil day for American Liberty if the theory of a government outside supreme law finds lodgment in our constitutional jurisprudence. No higher duty rests upon this Court than to exert its full authority to prevent all violations of the principles of the Constitution."

5 [Downs v. Bidwell, 182 U.S. 244 (1901)]

COMES NOW THE CONSTITUTED⁵ UNIFIED⁶ COMMON LAW⁷ GRAND JURIES⁸ of the fifty united States of America, this evil day;

10 WE COMMAND all County, State, Federal and US Supreme Court judges and clerks to perform their duty guaranteeing to every state in this union a republican form of government⁹ and protect each of them against invasion¹⁰, or vacate your office now.

15 WHEREAS; We the People in order to form a more perfect union, establish justice, insure domestic tranquility, provide for the common defense, promote the general welfare, and secure the blessings of liberty to ourselves and our posterity, did ordain and establish the Constitution for the United States of America that all Judges and all members of the Government both state and Federal are lawfully bound to obey¹¹, DECREE THAT:

20 We the People have been providentially provided legal recourse to address the criminal conduct of persons, themselves entrusted to dispense justice. The grand jury is an institution separate from the courts, over whose functioning the courts do not preside thus, the People have the unbridled right by law and in law to empanel their own grand juries and present "True Bills" of information, indictment and presentment

⁴ **QUO WARRANTO.** In old English practice. A writ, in the nature of a writ of right for the king, against him who claimed or usurped any office, franchise, or liberty, to inquire by what authority he supported his claim, in order to determine the right. It lay also in case of non-user, or long neglect of a franchise, or misuser or abuse of it; being a writ commanding the defendant to show by what warrant he exercises such a franchise, having never had any grant of it, or having forfeited it by neglect or abuse. 3 Bl.Comm. 262.

⁵ **CONSTITUTED** - The People of each county have come together to agreed and declared a return to Common Law Juries.

⁶ **UNIFIED** - Every county in the state has constituted the Common Law Juries.

⁷ **COMMON LAW** - Article VI - This Constitution, and the laws of the United States which shall be made in pursuance thereof; and all treaties made, or which shall be made, under the authority of the United States, shall be the supreme law of the land; and the judges in every state shall be bound thereby, anything in the Constitution or laws of any State to the contrary notwithstanding.

⁸ **COMMON LAW GRAND JURY** - Amendment V No person shall be held to answer for a capital, or otherwise infamous crime, unless on a presentment or indictment of a Grand Jury...; The Court of Appeals' rule would neither preserve nor enhance the traditional functioning of the grand jury that the "common law" of the Fifth Amendment demands. UNITED STATES v. WILLIAMS, Jr. 112 S.Ct. 1735; 504 U.S. 36; 118 L.Ed.2d 352

⁹ **Article IV Section 4.** The United States shall guarantee to every state in this union a republican form of government, and shall protect each of them against invasion; and on application of the legislature, or of the executive (when the legislature cannot be convened) against domestic violence.

¹⁰ **INVASION.** (Blacks 4th) An encroachment upon the rights of another; the incursion of an army for conquest or plunder. Webster. See /Etna Ins. Co. v. Boon, 95 U.S. 129, 24 L.Ed. 395. CONSTITUTIONAL LIBERTY OR FREEDOM. Such freedom as is enjoyed by the citizens of a country or state under the protection of its constitution; the aggregate of those personal, civil, and political rights of the individual which are guaranteed by the constitution and secured against invasion by the government or any of its agencies. People v. Hurlbut, 24 Mich. 106, 9 Am.Rep. 103.

¹¹ **Article VI.** This Constitution, and the laws of the United States which shall be made in pursuance thereof; and all treaties made, or which shall be made, under the authority of the United States, shall be the supreme law of the land; and the judges in every state shall be bound thereby, anything in the Constitution or laws of any State to the contrary notwithstanding.

to a court of record, which is then required to commence a criminal proceeding. Our Founding Fathers with foresight grafted into the common law Fifth Amendment a "buffer" the People may rely upon for justice, when public officials, including judges go rogue, act in bad behavior and criminally violate the law.¹²

5

THE PRIME DIRECTIVE

The prime directive¹³ ordained by the American People purposed their government to (1) form a more perfect union,¹⁴ (2) establish justice, (3) insure domestic tranquility, (4) provide for the common defense, (5) promote the general welfare, and (6) secure the blessings of liberty to ourselves and our posterity.

10 The subsequent violent felony acts of war by our servants against the aforesaid prime directive (1) debilitates the union of the American People, (2) establishes injustice, (3) undermines domestic tranquility, (4) renders the People vulnerable to foreign and domestic enemies, (5) destabilizes the general welfare, and (6) annihilates the blessings of liberty to ourselves and our posterity.¹⁵

15 Common-sense can only conclude that there are forces within our servant government conspiring war and subterfuge against the American People by denying the very republican form of government¹⁶ that they took an oath¹⁷ to protect and defend against all enemies foreign and domestic. Thereby it is the duty of all oath-takers to take a stand now, obey and defend the Constitution, and assist the People in arresting and terminating the following unconstitutional acts, by simply obeying the law of the land and acknowledging the unalienable right of the People to self-govern. Therefore judges everywhere are commanded "AGAIN" to obey the law of the land and sign the attached mandamus. The excuse "we are only following orders" did not stand in Nuremberg and it most certainly "will not stand here." To prove our conclusion, let facts be
20 submitted to a candid world:

- ❖ Our servants have refused Assent to Laws, the most wholesome and necessary for the public good;
- ❖ Our servants have trodden upon the rights of the People;
- ❖ Our servants have passed legislation destructive to the Constitution, forbidden by the same;
- 25 ❖ Our servants have exposed We the People to all the dangers of invasion from without, and subversion from within;
- ❖ Our servants have obstructed the laws for illegal-aliens who are flooding our nation with foreign insurgents some hostile destroying our economy and putting at risk the security of our States;

¹² **UNITED STATES v. WILLIAMS**, 112 S.Ct. 1735, 504 U.S. 36, 118 L.Ed.2d 352; No. 90-1972. Argued Jan. 22, 1992. Decided May 4, 1992.

¹³ **Preamble to the Constitution for the United States of America** - We the people of the United States, in order to form a more perfect union, establish justice, insure domestic tranquility, provide for the common defense, promote the general welfare, and secure the blessings of liberty to ourselves and our posterity, do ordain and establish this Constitution for the United States of America.

¹⁴ A perfect union of states but a "more perfect union" among the People, anti-federalist papers, Bruno.

¹⁵ **Declaration of Independence** - We hold these truths to be self-evident, that all men are created equal, that they are endowed by their Creator with certain unalienable Rights, that among these are Life, Liberty and the pursuit of Happiness.--That to secure these rights, Governments are instituted among Men, deriving their just powers from the consent of the governed, --That whenever any Form of Government becomes destructive of these ends, it is the Right of the People to alter or to abolish it, and to institute new Government, laying its foundation on such principles and organizing its powers in such form, as to them shall seem most likely to effect their Safety and Happiness.

¹⁶ **Article IV Section 4**. The United States shall guarantee to every state in this union a republican form of government, and shall protect each of them against invasion;

¹⁷ **Article VI** The Senators and Representatives before mentioned, and the members of the several state legislatures, and all executive and judicial officers, both of the United States and of the several states, shall be bound by oath or affirmation, to support this Constitution;

- ❖ Our servants have obstructed the Administration of Justice, by refusing acquiescence to laws established for Judiciary powers;
- ❖ Our servants have transformed judges into chancellors dependent upon the will of the BAR Guild alone, a society of mercenary economic corporate hit men-Esquires¹⁸, resolute on destroying common law, the foundation of America;
- 5 ❖ Our servants have erected a multitude of 4th Branch administrative agencies unaccountable to the Constitution, and sent hither swarms of corporate administrative, disobedient to the Constitution, revenue and code enforcement officers to harass our people, and eat out their substance;
- ❖ Our servants have kept among us, in times of peace, Standing Armies and excessively militarized local police forces without the Consent of the People;
- 10 ❖ Our servants have joined with foreign bankers to subject us to a jurisdiction foreign to our Constitution, and unacknowledged by our laws; giving assent to their acts of pretended legislation;
- ❖ Our servants are secretly accommodating large bodies of armed foreign troops among us;
- ❖ Our servants have imposed a multiple of property-robbing taxes, direct taxes, fees and fines on us without our Consent;
- 15 ❖ Our servants have deprived us of the benefits of honest Trial by Jury;
- ❖ Our servants have deprived us of the benefits of unrigged Grand Juries;
- ❖ Our servants have transported us into chancery courts to be tried for pretended offences;
- ❖ Our servants have enlarged its boundaries under the guise of District of Columbia (10 mile square federal city) so as to render it at once an example and fit instrument for introducing absolute rule into these States;
- 20 ❖ Our servants have arrogantly disregarded our Bill of Rights, abolishing our most valuable laws, altering fundamentally the Peoples form of government, without consent;
- ❖ Our servants have declared power to legislate through executive order, without consent;
- 25 ❖ Our servants have waged War against us;
- ❖ Our servants have plundered our manufacturing base, ravaged our small businesses and destroyed the lives of our people;
- ❖ Our servants have excited domestic insurrections amongst us;
- ❖ Our servants have engaged in human trafficking of our children and elderly through courts;
- 30 ❖ Our servants have engaged in Racketeering and extortion through our courts;
- ❖ Our servants have held mock trials in courts not of record and thereby unlawfully incarcerating and financially fleecing millions of People, denying due process;
- ❖ Our servants have empanelled bogus puppet grand and petit juries in order to perform BAR will and profiteering;
- 35 ❖ Our servants have stolen our homes in rem and fraud assisting bankers in double-dipping;
- ❖ Our servants have kidnaped our children and destroyed our families in family courts;
- ❖ Our servants have robbed our parents, turned their twilight years into nightmares and destroyed our families in probate court;
- ❖ Our servants have turned our common law courts into chancery courts of injustice;
- 40 ❖ Our servants have put People in debtors prison;

¹⁸ **ESQUIRE.** In English law. A title of dignity next above gentleman, and below knight. Also a title of office given to sheriffs, serjeants, and barristers at law, justices of the peace, and others. 1 Bl.Comm. 406; 3 Steph.Comm. 15, note; Tomlins. On the use of this term in American law, particularly as applied to justices of the peace and other inferior judicial officers, see *Christian v. Ashley County*, 24 Ark. 151; *Corn. v. Vance*, 15 Serg. & R., Pa., 37.

❖ Our servants have transformed our unalienable rights into crimes violating at every stage our Bill of Prohibitions, serving the BAR and not the People:

- Against Amendment I our servants have prohibited the free exercise of Judeo-Christian religion, our servants have denied free speech, our servants have commandeered the press, our servants have denied our right to petition the government for a redress of grievances;
- Against Amendment II our servants have dismantled the Militia and closed our armories, our servants have denied the right of the people to keep and bear arms;
- Against Amendment IV our servants have violated our privacy using bogus warrants, spying on the people, eavesdropping on our conversations and unlawfully maintaining files on the People to be used during the planned unlawful martial law to target dissenters and enslave the People;
- Against Amendment V our servants have accused People in courts not of law incarcerating millions with corrupt Grand Juries and forcing People to witness against themselves, our servants have deprived millions of life, liberty, or property, without due process of law, our servants have seized private property under rem and caprice;
- Against Amendment VI our servants have denied millions of People trials by an impartial jury, our servants have denied assistance of counsel unless they were BAR co-conspirators of the court to stealthily deprive People of their unalienable rights;
- Against Amendment VII our servants have denied suits at common law, our servants have denied trial by jury, our servants have denied the Peoples heritage, common law;
- Against Amendment VIII our servants have imposed excessive bails, fines, cruel and unusual punishments for behaviors that are not crimes;
- Against Amendment IX our servants have denied scores of other unalienable rights retained by the people;
- Against Amendment X our servants have corrupted government at every level and have turned sovereignty of the People into a crime.

At every stage of these oppressions we have petitioned for redress in the most humble terms. Our repeated Petitions have been answered only by repeated injury. Servants whose character is thus marked by every act which may define a Tyrant, is unfit to be the stewards of a free People; we therefore command you to repent and obey the law of the land or face the wrath of We the People.

WAR AGAINST THE CONSTITUTION/PEOPLE BY CONGRESS

Secret construction of a statutory prison

The following is by no means an exhaustive list of usurpations by congress and acts of treason against We the People of the united States of America and our decree of 1789 [Constitution for the United States of America]. To list all would take volumes but the foregoing is an accurate representation of a government that has become destructive.

- 1) Suspension of habeas corpus (Reconstruction Act, 1871) **in violation of Article I Section 9 (paragraph 2)**¹⁹;

¹⁹ **Article I Section 9 paragraph 2** The privilege of the writ of habeas corpus shall not be suspended,

- 2) Reconstituted the United States as a corporate controlled democracy (Reconstruction Act, 1871) **in violation of Article IV Section 4**²⁰;
- 3) Creation of the Federal Reserve which provides for foreign bankers to unlawfully control the United States monetary system (Federal Reserve Act, 1913) and eventually unlawfully disbanded the United States Treasury **in violation of Article I Section 8**;
- 4) Granted the President broad sweeping investigative and prosecutorial powers against anyone, including the American people, found by the President to be an enemy thereby giving the President essentially dictatorial powers. (Trading with the Enemy Act, 1917); **in violation of Article IV Section 4**²¹;
- 5) Disbandment of the United States Treasury (1920) **in violation of Article I Section 8**;
- 6) Registration requirements of the People in order to use the People as chattel (collateral) for the federal notes (Townshend Act, 1925) **in violation of Article III Section 3**²²;
- 7) War against the People of the United States (Trading With the Enemy Act amended, 1933 and Alien Registration Act of 1940) **in violation of Article III Section 3**²³;
- 8) Numerical Identification System to track and control the Peoples' financial business and to apply an unlawful direct tax (Social Security Act, 1935) **in violation of Article I Section 9**²⁴;
- 9) Common law was abrogated (Erie Railroad v Tompkins, 1938) **in violation of Article III Section 2, Article VI, Amendment VII and Amendment V**²⁵;
- 10) Immunity to Judges for their crimes (International Organizations Immunities Act, 1945) **in violation of Article II Section 4**²⁶;
- 11) Corrupted our Grand Juries through government controls (1946) **in violation of Amendment V**;
- 12) Government spying on the People, empowers the government to deploy unwarranted "dragnets" for massive amounts of information on private citizens; (Patriot Act, 2001) **in violation of Amendment IV**²⁷;
- 13) Authorization for government to indefinitely detain American citizens/nationals without probable cause, without warrant, without charges and without due process in law, (National Defense Authorization Act, 2014) **in violation of Amendment V**²⁸;

²⁰ Article IV Section 4. The United States shall guarantee to every state in this union a republican form of government, and shall protect each of them against invasion;

²¹ **Article IV Section 4** The United States shall guarantee to every state in this union a republican form of government, and shall protect each of them against invasion;

²² **Article III Section 3** Treason against the United States shall consist in adhering to their enemies, giving them aid and comfort.

²³ **Article III Section 3** Treason against the United States shall consist in levying war against them.

²⁴ **Article 1 Section 9** No capitation, or other direct, tax shall be laid, unless in proportion to the census or enumeration herein before directed to be taken.

²⁵ **Article III Section 2** The judicial power shall extend to all cases, in law and equity, arising under this Constitution, the laws of the United States..., Article III Section 2 The trial of all crimes shall be by jury; and such trial shall be held in the state where the said crimes shall have been committed; **Article VI** This Constitution, and the laws of the United States which shall be made in pursuance thereof; and all treaties made, or which shall be made, under the authority of the United States, shall be the supreme law of the land; and the judges in every state shall be bound thereby, anything in the Constitution or laws of any State to the contrary notwithstanding. **Amendment VII** In suits at common law, where the value in controversy shall exceed twenty dollars, the right of trial by jury shall be preserved, and no fact tried by a jury, shall be otherwise reexamined in any Court of the United States, than according to the rules of the common law. **Amendment V** No person shall be held to answer for a capital, or otherwise infamous crime, unless on a presentment or indictment of a Grand Jury.

²⁶ **Article II Section 4** The President, Vice President and all civil officers of the United States, shall be removed from office on impeachment for, and conviction of, treason, bribery, or other high crimes and misdemeanors.

²⁷ **Amendment IV** The right of the people to be secure in their persons, houses, papers, and effects, against unreasonable searches and seizures, shall not be violated, and no Warrants shall issue, but upon probable cause, supported by Oath or affirmation, and particularly describing the place to be searched, and the persons or things to be seized.

²⁸ **Amendment V** No person shall be deprived of life, liberty, or property, without due process of law;

- 14) Socialism/communist indoctrination taught in our schools (Common Core) in violation of the will of the People and Article IV Section 4.²⁹
- 15) 100% control of Peoples movements, food, water, energy and control over the minds of our children (Agenda 21, United Nations passed in 1992 and supported by President George Bush) in violation of the Constitution for the United States of America, Bill of Rights, Magna Carta and the Holy Bible;

• ~~WE THE PEOPLE~~ HEREIN ~~DO~~ DECREE ALL UNCONSTITUTIONAL LEGISLATION NULL AND VOID •

~~WAR~~ AGAINST THE ~~PEOPLE~~ BY ~~ADMINISTRATIONS~~

Preparation for war by executive legislation

“Necessity is the plea for every infringement of human freedom. It is the argument of tyrants; it is the creed of slaves”. - William Pitt

- 15 Most executive orders end with the phrase “these executive orders don’t define what specifically constitutes a national emergency.” The following executive orders are just a few of 1000’s of executive orders, without authority, that are preparing to take full control over the lives of every man, woman and child in America, under the guise of necessity, these provide for:
- 1) Martial law (executive order #100, aka Lieber Code,1863);
 - 20 2) Formation of the FBI (executive order, 1908);
 - 3) Presidential closing of all the banks in the country (executive order, 1933);
 - 4) Presidential confiscation of gold (executive order, 1933);
 - 5) Presidential removed property rights (executive order, 1933);
 - 6) federal seizure of all communications media in the US (executive order #10995);
 - 25 7) federal seizure of all electric power, fuels and minerals both public & private (executive order #10997);
 - 8) federal seizure of all food supplies and resources, both public and private and all farms and equipment, including what people are storing for emergencies in their homes (executive order #10998);
 - 30 9) federal seizure of all means of transportation, including cars, trucks, or vehicles of any kind and total control over all highways, seaports and water ways (executive order #10999);
 - 10) federal seizure of American people for work forces under federal supervision, including the splitting up of families if the government so desires (this happened before in Europe during the Nazi regime) (executive order #11000);
 - 35 11) federal seizure of all health, education and welfare facilities, both public and private (executive order #11001);

²⁹ **Preamble** We the people of the United States, in order to form a more perfect union, establish justice, insure domestic tranquility, provide for the common defense, promote the general welfare, and secure the blessings of liberty to ourselves and our posterity, do ordain and establish this Constitution for the United States of America. **Article IV Section 4.** The United States shall guarantee to every state in this union a republican form of government

- 12) the powers the Postmaster General to register every single person in the US (executive order #11002);
- 13) federal seizure of all airports and aircraft (executive order #11003);
- 14) federal seizure of all housing and finances and authority to establish forced relocation, authority to designate areas to be abandoned as "unsafe," establish new locations for populations, relocate communities, build new housing with public funds (executive order #11004);
- 15) federal seizure of all railroads, inland waterways and storage facilities, both public and private (executive order #11005);
- 16) FEMA's complete authorization to put above said orders into effect in times of increased international tension of economic or financial crisis in case of any declared "National Emergency" (executive order #11051);

• WE THE PEOPLE HEREIN DECREE ALL EXECUTIVE ORDERS NULL AND VOID •

WAR AGAINST THE PEOPLE BY JUDICIARY

RICO. 18 USC § 1962 - Prohibited activities (c) It shall be unlawful for any person employed by or associated with any enterprise engaged in, or the activities of which affect, interstate or foreign commerce, to conduct or participate, directly or indirectly, in **the conduct of such enterprise's affairs through a pattern of racketeering activity or collection of unlawful debt.**

The Judiciary denies constitutionally constrained courts of Law and operates under the name of equity when in fact People are hijacked unawares into chancery courts,³⁰ to settle unlawful corporate monetary issues, ruled by Chancellors³¹ a/k/a Judges that have been banned in the United States since 1789.³² The People ordained Law and Equity both of which must adhere to the Law of the Land (common Law) Article VI.³³ The 7th Amendment provides for suits at common law.³⁴ The Fifth Amendment provides for all criminal charges to be by indictment or presentment by a common law grand jury.³⁵ See United States v Williams.

• WE THE PEOPLE HEREIN DECREE CHANCERY COURTS NULL AND VOID •

³⁰ **COURT OF CHANCERY.** A court having the jurisdiction of a chancellor; a court administering equity and proceeding according to the forms and principles of equity. In England, prior to the judicature acts, the style of the court possessing the largest equitable powers and jurisdiction was the "high court of chancery." In some of the United States, the title "court of chancery" is applied to a court possessing general equity powers, distinct from the courts of common law. *Parmeter v. Bourne*, 8 Wash. 45, 35 P. 586; *Bull v. International Power Co.*, 84 N.J.Eq. 209, 93 A. 86, 88. The terms "equity" and "chancery," "court of equity" and "court of chancery," are constantly used as synonymous in the United States. It is presumed that this custom arises from the circumstance that the equity jurisdiction which is exercised by the courts of the various states is assimilated to that possessed by the English courts of chancery. Indeed, in some of the states it is made identical therewith by statute, so far as conformable to our institutions. *Wagner v. Armstrong*, 93 Ohio St. 443, 113 N.E. 397, 401.

³¹ **CHANCELLOR.** (Blacks 4th) In American law, this is the name given in some states to the judge (or the presiding judge) of a court of chancery; The Lord high In England, the highest judicial functionary in the kingdom; He exercises many functions and powers over and above the jurisdiction which he exercises in his judicial capacity in the supreme court of judicature, of which he is the head. *Wharton*.

³² **Article III Section 2** The judicial power shall extend to all cases, in law and equity, arising under this Constitution, the laws of the United States ...

³³ **Article VI** This Constitution, and the laws of the United States which shall be made in pursuance thereof; and all treaties made, or which shall be made, under the authority of the United States, shall be the supreme law of the land; and the judges in every state shall be bound thereby, anything in the Constitution or laws of any State to the contrary notwithstanding.

³⁴ **Amendment VII** In suits at common law, where the value in controversy shall exceed twenty dollars, the right of trial by jury shall be preserved, and no fact tried by a jury, shall be otherwise reexamined in any Court of the United States, than according to the rules of the common law.

³⁵ **Amendment V** No person shall be held to answer for a capital, or otherwise infamous crime, unless on a presentment or indictment of a Grand Jury

TAKE JUDICIAL COGNIZANCE³⁶ OF THE ONLY CONSTITUTIONAL POWERS

The “ONLY” lawful powers (21) We the People gave to our legislators are found in Article 1 Section 8.

Whereas Congress shall have power to:

- 1) Tax; *[as defined]*
- 5 2) borrow money;
- 3) regulate *[to make regular]* commerce with foreign nations, and among the several states;
- 4) establish a uniform rule of naturalization;
- 5) uniform bankruptcies laws;
- 6) coin money and fix the standard of weights and measures;
- 10 7) provide for the punishment of counterfeiting;
- 8) establish post offices;
- 9) post roads;
- 10) promote sciences and useful arts;
- 11) constitute tribunals inferior to the Supreme Court;
- 15 12) punish piracies and felonies committed on the high seas;
- 13) declare war;
- 14) grant letters of marque *(A license to a private citizen to seize property of another nation)* and reprisal;
- 15) make rules concerning captures on land and water;
- 16) raise and support armies, and fund no longer term than two years;
- 20 17) provide and maintain a navy;
- 18) make rules for the government and regulation of the land and naval forces;
- 19) provide for calling forth the militia to execute the laws of the union, suppress insurrections and repel invasions;
- 20) provide for organizing, arming, and disciplining, the militia;
- 25 21) exercise exclusive legislation in all cases whatsoever, over such District **(not exceeding ten miles square)** the seat of the government of the United States and like authority over forts, magazines, arsenals, dockyards, and other needful buildings;
- 22) make all laws which shall be necessary and proper for carrying into execution the foregoing powers, and all other powers vested by this Constitution in the government of the United States, or in any
- 30 department or officer thereof.

President(s) was given no powers to legislate by executive order, the “ONLY” lawful powers (9) We the People gave to the President are found in Article II Section 2, whereas the President shall have power to:

- 1) be commander in chief of the Army and Navy of the United States, and of the militia of the several states, when called into the actual service of the United States;
- 35 2) require the opinion, in writing, of the principal officer in each of the executive departments, upon any subject relating to the duties of their respective offices, and he shall have power to grant reprieves and pardons for offenses against the United States, except in cases of impeachment;

³⁶ **JUDICIAL COGNIZANCE.** Judicial notice, or knowledge upon which a judge is bound to act without having it proved in evidence. [Black's Law Dictionary, 5th Edition, page 760.] Jurisdiction is the authority by which courts and judicial officers take cognizance of and decide cases. [Board of Trustees of Firemen's Relief and Pension Fund of City of Marietta v. Brooks, 179 Okl. 600, 67 P.2d 4, 6; Morrow v. Corbin, 122 Tex. 553, 62 S.W.2d 641; State v. Barnett, 110 Vt. 221, 3 A.2d 521, 526;]

- 3) by and with the advice and consent of the Senate, to make treaties, provided two thirds of the Senators present concur;
- 4) nominate, and by and with the advice and consent of the Senate, shall appoint ambassadors, other public ministers and consuls, judges of the Supreme Court, and all other officers of the United States, whose appointments are not herein otherwise provided for, and which shall be established by law;
- 5) fill all vacancies that may happen during the recess of the Senate;
- 6) shall from time to time give to the Congress information of the state of the union, and recommend to their consideration such measures as he shall judge necessary and expedient;
- 7) on extraordinary occasions, convene both Houses, or either of them, and in case of disagreement between them;
- 8) shall receive ambassadors and other public ministers;
- 9) shall take care that the laws be faithfully executed, and shall commission all the officers of the United States.

The only lawful jurisdiction given to the courts are under law and equity and both jurisdictions are governed by **Article VI** which decrees:

This Constitution, and the laws of the United States which shall be made in pursuance thereof; and all treaties made, or which shall be made, under the authority of the United States, shall be the supreme law of the land; and the judges in every state shall be bound thereby, anything in the Constitution or laws of any State to the contrary notwithstanding.

The “ONLY” lawful powers we the People gave to the Judiciary are found in **Article III Section 1&2** whereas the Court’s powers are as follows:

- 1) The judicial power of the United States, shall be vested in one Supreme Court, and in such inferior courts as the Congress may from time to time ordain and establish [*federal district courts*];
- 2) The judges, both of the supreme and inferior courts, shall hold their offices during good behavior;
- 3) The judicial power shall extend to all cases, in law and equity arising under:
 - a. this Constitution;
 - b. the laws of the United States;
 - c. treaties made, or which shall be made, under their authority;
 - d. all cases affecting ambassadors, other public ministers and consuls;
 - e. all cases of admiralty and maritime jurisdiction;
 - f. controversies to which the United States shall be a party;
 - g. controversies between two or more states;
 - h. between a state and citizens of another state;
 - i. between citizens of different states;
 - j. between citizens of the same state claiming lands under grants of different states, and between a state, or the citizens there of, and foreign states, citizens or subjects;
 - k. In all cases affecting ambassadors, other public ministers and consuls, and those in which a state shall be party.
- 4) The Supreme Court shall have original jurisdiction in all the other cases before mentioned;
- 5) The Supreme Court shall have appellate jurisdiction, both as to law and fact;

Government servants have been entrusted with the Peoples business and some have abused their power to enslave or sell the American People as cattle. The BAR has beguiled you with power, compartmentalized many, others have turned a blind eye for filthy lucre and some are just useful idiots.

5 Therefore it is conclusive that there are 21 powers given to our legislatures, 9 powers given to the President, 21+ prohibitions and all courts are to act only under common law. Among these powers nowhere can it be found authority from the People to perform any of the aforementioned unconstitutional acts or to create statutes controlling the behavior of the People, private corporation administrative acts and rules, a/k/a corporate charters are ~~HEREIN~~ **DECREED NULL AND VOID**.

10 Judges rest upon fraudulent appellate court rulings and statutes that are repugnant to the Constitution while they convince themselves that by following such statutes they are immune from penalties should the People become aware of their fraud. Take notice we are aware of the fraud and your feeble response is misguided and subject to serious legal consequences should you choose to remain silent and fail to act.

15 Because rights are unalienable, legislators cannot legislate (abolish) them away no matter what the BAR has instructed you. Rights come from God and not man; therefore not even the People can give them up for themselves or others. Once we the People ordained common law the law of the land no man can abrogate it; to claim to do so is an act of war against the People and their God.

20 Unconstitutional acts are not law³⁸ and no one is bound to obey them.³⁹ Judges are expected to maintain a high standard of judicial performance⁴⁰ and when they violate the Constitution they cease to represent the government,⁴¹ become liable for damages⁴² and lose any immunity they may think they have.⁴³ *"State Judges, as well as federal, have the responsibility to respect and protect persons from violations of federal constitutional rights."*⁴⁴ *"Decency, security and liberty alike demand that government officials be subjected to the same rules of conduct that are commands to the citizen;"*⁴⁵ *"Judges have no more right to decline the exercise of jurisdiction which is given, than to usurp that which is not given. The one or the other would be treason to the Constitution."*⁴⁶ *"No judicial process, whatever form it may assume, can have any lawful authority outside of the limits of the jurisdiction of the court or judge by whom it is issued; and an attempt to enforce it beyond these boundaries is nothing less than lawless violence."*⁴⁷

³⁸ "An unconstitutional act is not law; it confers no right; it imposes no duties; affords no protection; it creates no office; it is in legal contemplation, as inoperative as though it had never been passed." **Norton vs Shelby County 118 US 425 p. 442**

³⁹ "No one is bound to obey an unconstitutional law and no courts are bound to enforce it." **16th American Jurisprudence 2d, Section 177 late 2nd, Section 256**

⁴⁰ "Judges must maintain a high standard of judicial performance with particular emphasis upon conducting litigation with scrupulous fairness and impartiality." **28 USCA 2411; Pfizer v. Lord, 456 F 2d 532; cert denied 92 S Ct 2411; US Ct App MN, (1972).**

⁴¹ "...an...officer who acts in violation of the Constitution ceases to represent the government." **Brookfield Co. v Stuart, (1964) 234 F. Supp 94, 99 (U.S.D.C., Wash.D.C.)**

⁴² "...an officer may be held liable in damages to any person injured in consequence of a breach of any of the duties connected with his office...The liability for nonfeasance, misfeasance, and for malfeasance in office is in his 'individual', not his official capacity..." **70 AmJur2nd Sec. 50, VII Civil Liability.**

⁴³ "Government immunity violates the common law maxim that everyone shall have a remedy for an injury done to his person or property." **Firemens Ins. Co. of Newark, N.J. v. Washburn County, 2 Wisc 2d 214 (1957)**

⁴⁴ **Gross v. State of Illinois, 312 F 2d 257; (1963)**

⁴⁵ "Decency, security, and liberty alike demand that government officials be subjected to the same rules of conduct that are commands to the citizen. In a Government of laws, existence of the government will be imperiled if it fails to observe the law scrupulously. Crime is contagious. If government becomes a lawbreaker, it breeds contempt for the law...it invites every man to become a law unto himself...and against that pernicious doctrine, this court should resolutely set its face." **Olmstead v U.S., 277 US 348, 485; 48 S. Ct. 564, 575; 72 LEd 944.**

⁴⁶ **Cohen v. Virginia, (1821), 6 Wheat. 264 and U.S. v. Will, 449 U.S. 200**

⁴⁷ **Ableman v. Booth, 21 Howard 506 (1859)**

Therefore all servants acting in concert under color of law, statute, regulations, and custom that are willfully or ignorantly depriving the People of our unalienable rights and immunities secured and protected by the Constitution for the United States of America are hereby ordered to stand down, correct this matter by signing the attached Mandamus and by such actions we will accept that you are attempting to take responsibility for past abuses and making a good faith effort to amend bad behaviors beginning now and we the People will move forward without looking behind.

Let us remind you that governments are instituted among Men, deriving their just powers from the consent of the governed, that whenever any Form of Government becomes destructive of these ends, it is the Right [and duty] of the People to alter it.

10

WHEREFORE, WE THE PEOPLE BY OUR OWN PREROGATIVE UNDER SEAL COMMAND the accounting of your Stewardship by Obeying and Answering the following under penalty of perjury:

Answers through counsel are insulting, placing salt upon open wounds and will be determined as non-answers and thereby have been predetermined by the People to be in non-compliance and will result in the issuance of a true bill presentment upon all conspirators, clerks, lawyers and judiciary alike.

Answers by the sending of repugnant forms or the returning of quo warranto have also been predetermined by the People to be in non-compliance and will result in the issuance of a true bill presentment upon both clerk and conspiring judiciary.

All federal judges are COMMANDED to comply and obey the common law as defined under the Article VI paragraph 2 of the common law United States Constitution and its common law capstone Bill of Prohibition [Rights]. You have a duty to speak and act; therefore silence can only be interpreted as complicity with the conspiracy to over throw the Peoples' government of the United States of America.

- i. Failure to preserve, protect and defend the Constitution for the United States Article II Section 1 is to war against the People;
- ii. Failure to secure the blessings of liberty Preamble is to war against the People;
- iii. Failure to repel and protect each state against invasions from within to destroy the Peoples' Republican form of government Article IV Section 4 and Article I Section 8 paragraph 15 is to war against the People.

Every day you resist the will of the People, U.S. Constitution, places Liberty in greater jeopardy and in so doing We the People will hold you responsible and will require compliance to the utmost weight of the highest law, for the domestic enemy of our Republic cannot endure without your support because you alone are holding in the balance Peace or War.

YOU ARE HEREBY ORDERED:

- 1) To order all clerks to obey the law by filing and processing all True Bills from common law grand juries as required by law under 18 USC §2076 & §2071;
- 2) All judges are ordered to command all state and federal judges to obey the law of the land as commanded, United States Constitution Article VI paragraph 2;
- 3) All judges are ordered to sign and mail [*to address above*] the attached Mandamus which commands all servants in all courts to cease from obstruction and interference of the Peoples business and access to their courts under 18 USC §1512b;
- 4) All judges are to confirm with the court clerks that this Quo Warranto has been filed as required by 18 USC §2076 & §2071 and a time stamped copy has been mailed to the address above;
- 5) All judges are to produce a certified copy of your constitutional oath of office, as required by Article VI, Paragraph 3 of the Constitution and 5 USC § 3331;
- 6) All judges are to produce affidavits declaring that you did not pay for or otherwise make or promise consideration to secure your office as per 5 USC § 3332;
- 7) All judges are to produce their personal surety bond; and documentation that establishes your complete line of chain of command delegated authority, including all intermediaries, beginning with the President of the United States, or the Governor of the State you claim authority from;
- 8) These documents should all be filed as public records pursuant to 5 USC §2906 for requirements concerning filing oaths. In the event you do not have a personal surety bond, you may provide a copy of your financial statement, which you are required to file annually. Your financial statement will be construed as a private treaty surety bond in the event that you exceed lawful authority.

YOU ARE COMMANDED, UNDER SEAL to obey items 1 and 2 and provide within seven (7) calendar days from receipt of this demand by mail; items 3 through 8 to the address above **OR** resign your office immediately. Failure to comply with all the demands of this Writ of Quo Warranto will be an admission of your intentional and willful engagement in RICO and HIGH-TREASON against the People and will be subject to presentments or indictments for immediate removal from office and criminal prosecution for the committing of illicit and on-going crimes in a wheel and chain of conspiracy.

Signed and so ORDERED by the People under SEAL, November 10, 2014:

Grand Jury Foreman

**IN THE UNITED STATES DISTRICT COURT
FOR _____**

WRIT OF MANDAMUS

The United States District Court for _____ district of _____ State orders all State, County, City, Town, and Villages Judges; Court Clerks; County Clerks; County Sheriffs to obey the Law of the Land;

Article VI Clause 2. This Constitution, and the laws of the United States which shall be made in pursuance thereof; and all treaties made, or which shall be made, under the authority of the United States, shall be the supreme law of the land; and the judges in every state shall be bound thereby, anything in the Constitution or laws of any State to the contrary notwithstanding.

The United States Constitution guarantees to every state in this union and the People thereof, a constitutional republican form of government that the judiciary and all oath takers must obey.

Therefore all State, County, City, Town, and Villages Judges; Court Clerks; County Clerks; County Sheriffs and United States Marshals are so ordered as follows:

- i. All State, County, City, Town, and Village Judges and clerks are to obey the law of the land specifically defined in Article VI Clause 2
- ii. All State, County, City, Town, and Villages Judges and clerks are to obey under penalty of 18 USC §2071, law of the land, are not to conceal, remove, mutilate or misfile any record, proceeding, paper, document, or other thing filed by the Common Law Grand Juries with the court clerk or county clerk.
- iii. All Federal, State, County, City, Town, and Villages Judges and clerks are to obey under penalty of 18 USC §1512, law of the land, are not to alter, destroy, mutilate, or conceal an object with intent to impair the object’s integrity or availability for use in an official proceeding; or intimidate, threaten, or corruptly persuades another person to withhold a record, document, or other object, from an official proceeding; or obstructs, influences, or impedes any official proceeding.

- iv. All clerks under penalty of 18 USC §2076, law of the land, are to file and are not to refuse or neglect to make or forward any report, certificate, statement, or document from the common law grand jury and all judges are to act upon them as required by law.
- v. Sheriffs took an oath to support and defend the United States Constitution, consequently as per Article VI clause 2 the Laws of the United States are to be obeyed. Therefore upon command under seal of the 5th Amendments Common Law Grand Jury concerning violations, by judges, clerks, prosecutors or any other elected or appointed official of 18 USC § 2071, 18 USC §1512, 18 USC § 2071, 18 USC § 2076 or any other law of the fifty United states of America are to arrest the same for said offences.
- vi. Should the Sheriff fail to perform his duties, upon command under seal of the 5th Amendments Common Law Grand Jury concerning said violations the United States Marshal shall arrest the Sheriff and the Under Sheriff shall perform said duties in the Sheriff's stead.
- vii. Finally, the grand jury is an institution separate from the courts, over whose functioning the courts do not preside, no "supervisory" judicial authority exists. It is a constitutional fixture in its own right belonging to no branch of the institutional government, serving as a kind of buffer or referee between the Government and the people. The grand jury operates in the courthouse and under judicial auspices, operating at arm's length from the judicial branch". The Fifth Amendment's "constitutional guarantee presupposes an investigative body 'acting independently of either prosecuting attorney or judge, unfettered by technical rules. Therefore judges and clerks have no authority to prevent, obstruct or interfere with the peoples' necessary compensation and access into the courts, 18 USC §1512b, in order to operate in the courthouse for the administration of the Common Law Juries.

SO ORDERED AND ADJUDGED

ENTER.

DATED: _____

~ Seal ~

From: Tiffany Pavich <t.pavich@hotmail.com>
Sent: Monday, February 16, 2015 12:23 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Tiffany Pavich

Lihue, HI 96766

From: Pablo Celiz <pvceliz@yahoo.com>
Sent: Monday, February 16, 2015 6:08 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Pablo Celiz

Lahaina, HI 96761

From: Francine Pearson <pdspears@hawaiiantel.net>
Sent: Monday, February 16, 2015 11:40 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Francine Pearson

Hilo, HI 96721

From: wendy pellegrini Pellegrini <wendypellegrini@gmail.com>
Sent: Monday, February 16, 2015 4:43 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

wendy pellegrini Pellegrini

Princeville, HI 96722

From: Scott Peppel <booch326@yahoo.com>
Sent: Monday, February 16, 2015 6:29 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Scott Peppel

Princeville, HI 96722

From: Pete Wilson <perhansahi@gmail.com>
Sent: Monday, February 16, 2015 6:20 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Pete Wilson

Pahoa, HI 96778

onishi3 - Timothy

From: Pierce Gray <dpgray32@gmail.com>
Sent: Monday, February 16, 2015 3:01 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

For the last two weeks the winds have come from the South, blowing the pesticides from the Monsanto and Dow test fields into Haiku (the trade winds are usually from the east). I have been sick for two weeks, breathing these toxic chemicals. Bees are dropping dead all over my garden. These chemicals, tested with any regulation in Hawaii, are deadly.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Pierce Gray

Haiku, HI 96708

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 9:36 AM
To: AGRtestimony
Cc: feenix206@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Stephen Pianowski	Individual	Comments Only	No

Comments: I am a commercial vegetable producer on Kauai and also a director of the East Kauai Soil Conservation District. I am NOT in favor of any new laws that are inconsistent with current laws or restrictions regarding pesticide use in the United States or on the Mainland. Pesticide use is not cheap and is not used if not absolutely necessary by producers. The ability to use pesticides safely already has standards set out by the USDA for which Pesticide use is regulated. I would only support laws and restrictions consistent with those already in place on the Mainland. I would support additional pesticide use training classes for pesticide users and others concerned with pesticide use so they can all have a better understanding of the materials that are being used. In Hawaii, the importance of being self sustainable food wise is even more important than on the mainland. The ability to safely use pesticides is important to guarantee a locally produced food supply in Hawaii. I also support the use of Restricted use pesticide licensing to assure that the use of pesticides is done by educated parties.

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From: Don Piepgrass <dhpiepgrass@gmail.com>
Sent: Monday, February 16, 2015 11:53 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Don Piepgrass

Honolulu, HI 96815

From: Joy Pitts <alohajoy2@yahoo.com>
Sent: Monday, February 16, 2015 11:24 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Joy Pitts

mililani, HI 96789

From: Peggy McArdle <Hapuna22@aol.com>
Sent: Monday, February 16, 2015 4:09 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Peggy McArdle

Kailua Kona, HI 96740

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 10:46 AM
To: AGRtestimony
Cc: barbarapolk@hawaiiantel.net
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Barbara Polk	Individual	Support	No

Comments: With the increasing use of chemicals in agriculture and public places, our laws and protections of citizens has not kept pace. It is time to enact laws that protect our most vulnerable populations and to ensure that the public is aware of the pesticides and other chemicals that are being used in their environment. Business and government secrecy should not trump the public welfare.

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 10:20 AM
To: AGRtestimony
Cc: k2pome@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Katherine Pomeroy	Individual	Support	No

Comments:

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 6:49 PM
To: AGRtestimony
Cc: sylvias-space@att.net
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM
Attachments: OAHU_Buffer Zones.pdf

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Sylvia Pope-Young	Individual	Support	No

Comments:

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From: Jim Porowski <jcporowski@yahoo.com>
Sent: Monday, February 16, 2015 6:37 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Jim Porowski

makawao, HI 96768

onishi3 - Timothy

From: PUA CASE <PUACASE@HAWAIIANTEL.NET>
Sent: Monday, February 16, 2015 3:08 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

PUA CASE

KAMUELA, HI 96743

From: Susie Purdy <susieboepurdy@yahoo.com>
Sent: Monday, February 16, 2015 2:24 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Susie Purdy

Koloa, HI 96756, HI 96756

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 6:09 PM
To: AGRtestimony
Cc: nimboy44@aol.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Bill Quinlan	Individual	Support	No

Comments: I strongly support this Bill. There is no downside for farmers and we need to protect our keiki.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 12:04 AM
To: AGRtestimony
Cc: lragan001@yahoo.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
L. Ragan	Individual	Support	No

Comments: We should take this further and also ban certain pesticides like Europe has already. We experienced severe headaches and nausea in our residential neighborhood 2 years ago because some idiot a whole block over used malathion incorrectly on a very windy day. May I add: this pesticide is highly toxic to aquatic organisms and bodies of water--my area is near a wash that goes directly to the ocean.

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From: Linda Raquinio <sunlineshawaii@aol.com>
Sent: Monday, February 16, 2015 11:18 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Linda Raquinio

Ocean View, HI 96737

From: martin ravitzky <marty-rav@msn.com>
Sent: Tuesday, February 17, 2015 8:44 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

martin ravitzky

Kahului, HI 96732

onishi3 - Timothy

From: Sheryl Rawson <Sherylhilo@gmail.com>
Sent: Monday, February 16, 2015 11:22 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Sheryl Rawson

Hilo, HI

From: Faye H. Reese <fayehreese@yahoo.com>
Sent: Monday, February 16, 2015 1:33 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Faye H. Reese

Kalaheo, HI 96741

Testifier name: Kristie Reilly (independently testifying)
House Committee on Agriculture
Thursday, February 19, 2015 @ 8:30 AM
HB1514 HD1– Relating to Environmental Protection

Aloha Committee Chair Clift Tsuji, Vice Chair Richard H.K. Onishi, and committee members,

Thank you for the opportunity to submit my comments. I support HB1514 because Hawaii is increasingly becoming more vulnerable to the influence of commercial agriculture giants. As an individual who has worked in the environmental industry for several years, I recognize the real dangers and threats that some of these restricted use pesticides can pose.

As the proposed measure states, certain populations are more sensitive to the adverse affects of restricted use pesticides, including children and elderly individuals. Even when pesticides are applied according to label instructions there are short-term health impacts, including: nausea, dizziness, respiratory problems, headache, rashes and mental disorientation. Children are especially sensitive to any exposure due to the lower ratio of their body mass to the amount of chemical. They also have developing organs, which are more sensitive than the fully developed organs of adults. Studies show that even at low levels, pesticides can negatively impact endocrine, respiratory, immune and neurological systems. Organophosphate pesticides cause genetic damage linked to ADHD and Parkinson's Disease. There is evidence of increased instances of brain cancer in individuals living in proximity to agriculture areas, and elevated rates of leukemia in children exposed to pesticides. Researchers at UC Davis recently published a study in *Environmental Health Perspectives* which links an increased risk of having a child with autism spectrum disorder or other developmental delay with the proximity to which pregnant women lived in relationship to agricultural areas where pesticides were applied. The risk increased by two thirds in these areas.

With this information at hand and with the knowledge that we still don't know the full impacts that some of these restricted use pesticides have, especially when used in combination with other pesticides, it makes sense to enact this regulation that creates buffers and imposes notification requirements. Most of the damage that is known to occur through the use of these pesticides is irreversible. We can, however, use other means to control pests. There are other states that have passed similar regulations on buffer zones and/or have legislation in place that requires notification prior to the application of restricted use pesticides, including California, Washington, Oregon, New York and New Jersey. As island ecosystems typically are, Hawaii's environment is even more sensitive than these states.

I looked through the testimony provided to the members of the House Committee on Energy and Environmental Protection and I would like to point out that many organizations supporting this measure are groups and organizations that serve and support the public interest. Its clear that those that are opposed to it have a different agenda, one that solely serves their own interests.

Thank you for taking the time to hear and consider my comments. I hope that we can work together to protect Hawaii's sensitive populations from the dangers associated with exposure to restricted use pesticides.

Mahalo,
Kristie Reilly
1542 Thurston Ave. C
Honolulu, HI 96822
(808) 594- 7161

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 8:20 PM
To: AGRtestimony
Cc: claudiarice25@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
claudia rice	Individual	Support	No

Comments:

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From: scott richardson <ohmyheck31@yahoo.com>
Sent: Monday, February 16, 2015 11:17 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

scott richardson

Honolulu, HI 96815

From: Laura Richman <Laura@LauraRichman.com>
Sent: Monday, February 16, 2015 12:13 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Laura Richman

Keaau, HI 96749

From: Sarah Ridenour <Sarahjane1262@yahoo.com>
Sent: Monday, February 16, 2015 3:01 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Sarah Ridenour

Kappa, HI 96746

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 11:57 PM
To: AGRtestimony
Cc: raphiell@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Raphiell Nolin	Individual	Support	No

Comments:

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From: Rosemari Roast <rosemariroast@gmail.com>
Sent: Monday, February 16, 2015 12:44 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Rosemari Roast

Winsted, CT 06098

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 11:01 AM
To: AGRtestimony
Cc: robyama@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/16/2015

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Submitted By	Organization	Testifier Position	Present at Hearing
rob	Individual	Oppose	No

Comments:

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From: Judith Roberts <juditheroberts@gmail.com>
Sent: Monday, February 16, 2015 3:01 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Judith Roberts

Kamuela, HI 96743

onishi3 - Timothy

From: Nancy Roemer <nroemer@aol.com>
Sent: Monday, February 16, 2015 2:43 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Nancy Roemer

Makakilo City, HI 96707

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 11:43 PM
To: AGRtestimony
Cc: imaspicychicken@yahoo.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Ashley Romero	Individual	Support	No

Comments:

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From: judy rosenstern <judyrosenstern@yahoo.com>
Sent: Monday, February 16, 2015 7:34 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

judy rosenstern

Honokaa, HI 96727

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 8:58 AM
To: AGRtestimony
Cc: matt.htfa@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Matthew Ross	Individual	Oppose	No

Comments: I support our local farmers and their right to use modern agricultural methods on their crops. Please do not pass this bill.

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onishi3 - Timothy

From: Rhonda Russell <rrussell@keck.hawaii.edu>
Sent: Tuesday, February 17, 2015 8:24 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Rhonda Russell

HONOKAA, HI

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 13, 2015 6:36 PM
To: AGRtestimony
Cc: shannonkona@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/13/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Shannon Rudolph	Individual	Support	No

Comments: Strongly support. Many other states & counties have reasonable and somewhat effective buffer zones and disclosure laws, etc. it is unconscionable that we do not have these rules in place here. We are not protecting our keiki or other residents. You are not getting the whole story from the Ag Dept. on the health effects happening in Hawai`i. Many of these sick neighbors to the GMO fields are my friends and they are telling you the truth. The rules in place now are ineffective if they are not enforced. The Ag Dept. neglected to tell you that out of 72 pesticide complaints in recent years, only three of them have actually been investigated. We are doing a grave disservice to Hawai`i residents. Even Gov. Ige supports buffer zones. We also need to know what these large users of RUPs are using in order for doctors to know how to help.. but, if the communities are being repeatedly sprayed with a mixture of chemicals, not even the doctors can help them. I hate to keep harping on this to you, but we are never going to quit until we have adequate safeguards in place. If you fail to protect us 'for rel' this year, citizens will consider our own lawsuit. This insanity has gone on long enough and you SHOULD believe your own community doctors, nurses, teachers, and parents, before you believe chemical lobbyists. Voting against this bill is voting against Hawai`i residents that need your protection, now!

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From: Mike Rueli <biggystinker@yahoo.com>
Sent: Tuesday, February 17, 2015 8:10 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Mike Rueli

Honolulu, HI 96816

From: William Russell <jrtfoxie@aol.com>
Sent: Monday, February 16, 2015 11:22 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

William Russell

Mililani, HI 96789

From: Mary Ann Saindon <sane@joimail.com>
Sent: Monday, February 16, 2015 2:17 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Mary Ann Saindon

Keaau, HI 96749

From: Sheryl Samuel <haysamsongs@gmail.com>
Sent: Monday, February 16, 2015 2:57 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Sheryl Samuel

Honokaa, HI 96727

From: Susan Sanger <sanger@hawaii.edu>
Sent: Monday, February 16, 2015 2:41 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Susan Sanger

Honolulu, HI 96825

From: Barry Sato <bsato@theavco.net>
Sent: Tuesday, February 17, 2015 8:34 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Barry Sato

pearl city, HI 96701

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 9:26 AM
To: AGRtestimony
Cc: bschoneberg@rhomac.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Bonnie Schoneberg	Individual	Oppose	No

Comments: I oppose this bill for various reasons. One of the most prominent aspects I oppose are the buffer zones. While well meaning towards protecting the community, this would limit farming activities substantially and for many farmers would reduce farming acreage which would put many farmers either out of business or would put them close to failure. It also doesn't really make sense, given that the community would still be exposed to pesticides that the county sprays along roadways, in parks, in parking lots, and so on.

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From: Lilo Schroeter <Liloschroeter@gmail.com>
Sent: Monday, February 16, 2015 11:43 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Lilo Schroeter

Honolulu, HI 96815

From: Cheryl Sederberg <talofa02@gmail.com>
Sent: Monday, February 16, 2015 3:32 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Cheryl Sederberg

Kapaau, HI 96755

From: peter sellas <flamelalaine@hotmail.com>
Sent: Monday, February 16, 2015 12:24 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

peter sellas

kilauea, HI 96754

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 11:07 PM
To: AGRtestimony
Cc: dean@HawaiiGoesFishing.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Dean Sensui	Individual	Oppose	No

Comments: I oppose this bill based on empirical evidence that show the use of pest control agents on farms do not pose a health risk to the people who live near them, nor the people who work on them and have spent their lives there. All pesticides are already tightly regulated by federal and state laws. This bill would put an unnecessary burden on large farming operations as well as family-run farms that provide much of the fruits and vegetables we find in our stores and the People's Open Markets in our neighborhoods. All crops are susceptible to a long list of blights and pests, making many of these chemical control agents a necessary part of the farming industry. Without them, it would be very difficult to grow produce at a scale large enough to feed the people at a reasonable price. And because farmers have to use these pest control agents over large areas, they do their utmost to use as little as possible. Excessive application can actually harm crops as well as greatly reduce any profit margin and the ability to make a decent living. What's not well-known is that organic farms also use pesticides. There isn't any rule that prohibits their use under what's generally accepted as "organic farming." Peer-reviewed studies have shown no causal relationship between the use of pesticides and purported illnesses. If the epidemiology is examined closely, it becomes clear that the maladies attributed to chemical use around farms are equally distributed in areas nowhere near them. Studies by the Department of Health have determined that there is no contamination of rural streams that are adjacent to farms. However, there are detectable amounts of pesticides and herbicides in urban streams, which means the problem of chemical exposure isn't greatest near farms, but from the misuse of these chemicals in your neighbor's yard. Let's base these decisions upon good science that has gone through the rigorous peer-review process. It's the only way to know that information gathered is, in fact, valid and the best available. If not, we risk wiping out small family-run farms and making us even more dependent upon imported food. Keep in mind the impending dock strike. When that lifeline gets cut, where else are we to find the food that we'll need? Thank you for your consideration. Dean Sensui.

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 11:03 AM
To: AGRtestimony
Cc: kenzen808@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Ken Sentner	Individual	Support	No

Comments: Strongly support HB1514 to help protect our precious keiki from being poisoned by pesticides sprayed too near their schools and playgrounds.

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From: Katie Settlemier <sunnysolution@gmail.com>
Sent: Monday, February 16, 2015 2:38 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Katie Settlemier

Mountain View, HI 96771

From: Jamie Sexton <jamiesexton@gmail.com>
Sent: Monday, February 16, 2015 12:25 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Jamie Sexton

Honolulu, HI 96822

From: Janette Shablow <shablow@gmail.com>
Sent: Monday, February 16, 2015 11:47 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

RESTRICTED USE PRODUCTS WILL HOPEFULLY BE BANNED IN OUR MORE ENLIGHTENED FUTURE.

" Wahine & Kāne! I mua a loa'a ka lei o ka lanakila.!" . "Women and men go forward and win the lei of victory. I love you all too! Aloha!"

Hawaiian chant "Pule Aina"

E ke akua, he pule ia e holo ana i ka po'ino o ka 'aina a me ke pale a'e i pau ko ka 'aina haumia He pule ia e ho'opau ana i na hewa o ka 'aina apau

Oh Creator.

This is a prayer to wash away all iniquity from the land, to ward off and end the contamination of the land.

This is a prayer to end the mistakes done to all the land.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Janette Shablow

Kapaa, HI 96746

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 13, 2015 3:39 PM
To: AGRtestimony
Cc: slwsurfing@yahoo.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/13/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
sharon	Individual	Support	No

Comments: Aloha ~ Sharon Willeford (DOE teacher 30 yrs) from Hawai'i Island. Organophosphate/pesticide poisoning victim. Has taken 4 yrs. to be able to restore function to endocrine and nervous system. MUCH PAIN! Our children and kupuna should NOT have to suffer at the hands of Biotech pesticide abusers (same people that brought you Agent Orange, cancer and birth defects. With much Gratitude, Sharon Willeford

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 7:55 PM
To: AGRtestimony
Cc: mark@marksheehan.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Mark Sheehan	Individual	Comments Only	No

Comments: this is a very good bill. Pesticide drift has been shown to lead to greater rates of autism and developmental disabilities in children in areas where pesticides are sprayed. This is a first step in protecting our keikis health. Please take it. Mahalo,

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From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 8:39 PM
To: AGRtestimony
Cc: tsheeran@hotmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Thomas Sheeran	Individual	Support	No

Comments: HB1514 Dear Chair Lee, Vice Chair Lowen and Members of the Committee, My name is Tom Sheeran and I strongly support HB 1514 which requires disclosure, notification, and buffer zones to protect schools, nursing homes and other sensitive sites from exposure to toxic pesticides. Buffer Zones are a common sense solution to prevent pesticide drift from large agricultural operations in our community. Many other states already provide similar protection and Hawaii should do the same to protect children and sensitive populations from the toxic impacts of pesticide use by regulating their use on or around schools and other critical areas. Thank you for the opportunity to submit this testimony in support of HB 1514. Tom Sheeran Mo'ili'ili

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From: Kathy Shimata <kshimata@hawaiiantel.net>
Sent: Monday, February 16, 2015 6:43 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people from exposure to harmful pesticides.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Kathy Shimata

Honolulu, HI 96822

From: Roy Shitanaka <rts5371@yahoo.com>
Sent: Tuesday, February 17, 2015 10:40 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Roy Shitanaka

Waimea, HI 96796

From: Rachel Short <RachelPSHORT@gmail.com>
Sent: Tuesday, February 17, 2015 9:08 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Rachel Short

Hilo, HI 96720

onishi3 - Timothy

From: Jim Shortslef <shortslefj@aol.com>
Sent: Monday, February 16, 2015 11:12 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Jim Shortslef

Waipahu, HI

Aloha mai kakou,

I write in SUPPORT of HB1514. I believe the creation of buffer zones around schools, hospitals and residential areas is one small but necessary step in protecting the health of our citizens, from keiki to kupuna. Restricted Use Pesticides are dangerous and need to be heavily regulated. Buffer zones are critical to making sure toxic pesticides do not drift into the air breathed by school children, hospital patients and workers, and all of the innocent residents caught nearby agriculture fields using these chemicals. Hawaii is behind the trend, with many other states already enacting Buffer Zone laws. Please be conscious and forward thinking, our keiki deserve clean air, clean water and clean food. Please SUPPORT HB1514!

Mahalo Nui!
Cherub Silverstein

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 9:29 AM
To: AGRtestimony
Cc: jbsrasta@aol.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
John Silvestrone	Individual	Support	No

Comments: I would like to add my support to this bill HB 1514. I have seen too many news reports about children in schools being rushed to the hospital because someone was spraying pesticides nearby and they got sick from it. The Chemical Companies ALWAYS say their product is safe. They said DDT was safe and look where that got us. We can't trust them with our children's health, nor with the health of the Aina. Here in Hawai'i, unlike the Mainland, tradition demands that we place people's lives and the health of the Aina, over personal wealth and success...it's the reverse of Capitalism, but this is Hawai'i and not the mainland. Please pass this bill, so we can begin to control the mostly unregulated applications of these deadly chemicals and protect Hawai'i's most vulnerable people, especially children and the Aina that supports us all. Thank You Sincerely John Silvestrone

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From: Huldah Simpson <Infiniteheart8@yahoo.com>
Sent: Monday, February 16, 2015 11:33 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Huldah Simpson

Haiku, HI 96708

From: Karren Louise Sisson <karren711@aol.com>
Sent: Monday, February 16, 2015 3:07 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Karren Louise Sisson

Haiku, HI 96708

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 9:15 PM
To: AGRtestimony
Cc: sherrie@hawaiiantel.net
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Sherrie Moore	Individual	Support	No

Comments: Please move this Bill forward, don't hijack it by holding it back from being heard.

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From: Irene Soloway <ireneherb@hawaii.rr.com>
Sent: Monday, February 16, 2015 9:42 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Irene Soloway

waikoloa, HI 96738

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 1:35 PM
To: AGRtestimony
Cc: chuck@mauisunseeker.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Chuck Spence	Individual	Support	No

Comments: I am strongly in favor of HB 1514 to create pesticide buffer zones around schools. The effect that is creeping away from Monsanto's plant on Maui is frightening and can be seen from the air. We must stop this practice before it has further detrimental effects on our school children!

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From: Jane Sperr <realmaui@aloha.net>
Sent: Monday, February 16, 2015 11:32 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Jane Sperr

Kahului, HI 96733

From: Marissa Sperry <leimakana@gmail.com>
Sent: Monday, February 16, 2015 11:20 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Marissa Sperry

Kapaa, HI 96746

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 3:16 AM
To: AGRtestimony
Cc: shannonkona@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Shannon Rudolph	Individual	Support	No

Comments: Strongly Support

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 10:22 PM
To: AGRtestimony
Cc: stoltzfus74@yahoo.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
David Stoltzfus	Individual	Oppose	No

Comments:

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From: Berrie Straatman <bernene@hotmail.com>
Sent: Monday, February 16, 2015 3:12 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Berrie Straatman

Honolulu, HI 96815

From: Ann Strong <kaloli.pt@gmail.com>
Sent: Monday, February 16, 2015 11:41 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Ann Strong

Keaau, HI 96749

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 8:09 AM
To: AGRtestimony
Cc: ncsugano@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Jari S.K. Sugano	Individual	Comments Only	No

Comments: My name is Jari Sugano and I am a County Extension Agent at UH Manoa, College of Tropical Agriculture and Human Resources. Today, I am providing personal testimony. When drafting this bill, please keep in mind that majority of Hawaii's farmers are small acreage producers. Space is limited. Protection of students and the community is of the highest concern, but please look at reasonable measures & evaluate research based information re: appropriate buffer distances and federal residual trial information. We live in an island state where food is scarce. Excessive regulation on top of federal regulations may put many producers out of business and force Hawaii residents to obtain its food from mainland vendors. Please keep these things in mind when formulating a bill that protects our public but allows agriculture to co-exist. Without agriculture in Hawaii, dependence on mainland imports is inevitable. I am providing comments on this bill provided that its passage does not replace or adversely impact priorities as indicated in the University's Board of Regents Approved Executive Biennium Budget. Let me state from the onset of this testimony that, as a member of the faculty at the University of Hawaii at Manoa, it is important to note that I support the prioritization process that the administration utilizes to establish their annual budgetary request to the legislature and can only advocate for additional funding of university programs if it does not negatively impact existing requests that are included in the executive budget.

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From: Maury Sullivan <maurysull@hotmail.com>
Sent: Monday, February 16, 2015 3:23 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Maury Sullivan

haleiwa, HI 96712

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 13, 2015 3:42 PM
To: AGRtestimony
Cc: svickery@hawaii.rr.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/13/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Susan Vickery	Individual	Support	No

Comments:

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onishi3 - Timothy

From: Makana <makanalive@gmail.com>
Sent: Monday, February 16, 2015 2:26 PM
To: AGRtestimony
Subject: I SUPPORT HB1514

I SUPPORT HB1514!

Matthew Swalinkavich
Lifelong resident of O'ahu, Hawai'i

From: Rebecca Sydney <bexter@maui.net>
Sent: Monday, February 16, 2015 11:35 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Rebecca Sydney

Makawao, HI 96768

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 9:35 PM
To: AGRtestimony
Cc: wekeis333@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Tony Sylvester	Individual	Oppose	No

Comments: Aloha, A little of Hawaii's history for the new comer. For decades Hawaii's sugar plantations sprayed copious amounts of paraquat (RUP) to prevent sugar cane from tasseling early thus producing longer fuller stalks of cane. My parents and grandparents were born and grew up in the plantation camps that where surrounded by sugar cane. Besides paraquat, 2-4D, cane fires, lead paint and untreated water and no modern medicine, I say they fared quite well. Grandma passed away at 98! Grandpa died in 1946 and was in his s eventies! At spray strength paraquat is of relatively low acute toxicity. A study of small farmers in Kenya found no protective clothing was worn (the cost of a pair of rubber gloves was equivalent to a day's wage). So lets stop farming in Hawaii and let some poor guy in Kenya, India or South America grow our food and who cannot even afford a pair of gloves!!

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From: Braxton Tabb <sun.fun2008@yahoo.com>
Sent: Monday, February 16, 2015 12:56 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Braxton Tabb

Kihei, HI 96753

onishi3 - Timothy

From: Richard Takase <RTakase@aol.com>
Sent: Tuesday, February 17, 2015 3:56 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Richard Takase

Wailuku, HI

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 9:21 AM
To: AGRtestimony
Cc: grayboy24@aol.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Leslie Takayama	Individual	Oppose	No

Comments:

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 10:22 AM
To: AGRtestimony
Cc: andrea.c.talon@monsanto.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
ANDREA TALON	Individual	Oppose	No

Comments:

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From: Donna Tamura <tamurad@yahoo.com>
Sent: Monday, February 16, 2015 11:55 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Donna Tamura

Kapolei, HI 96707

From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 5:25 AM
To: AGRtestimony
Cc: sunshineorchids@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Darrell Tanaka	Individual	Oppose	No

Comments: this is the kind of bill that will end farming, one by one, farms will be sued and forced to close as a result of public paranoia. Unreasonable restrictions are just one way to put farms out of business.

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onishi3 - Timothy

From: CHAO TANG CHANG <longlifeorchids@gmail.com>
Sent: Tuesday, February 17, 2015 7:14 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

CHAO TANG CHANG

Hilo, HI

From: Erica Taniguchi <anuheamiti@yahoo.com>
Sent: Tuesday, February 17, 2015 9:10 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Erica Taniguchi

Anahola, HI 96603

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 7:54 PM
To: AGRtestimony
Cc: tasia@maoorganicfarms.org
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
tasia yamamura	Individual	Support	No

Comments: This seems like a no brainer. It is a public safety issue. Establishing buffer zones to protect our keiki from pesticide exposure is hugely important. How can we expect our keiki to be ready to learn if they are being exposed to these toxins? We send our children to schools trusting that they will be safe. Please stand up for our children, our future, and protect them by supporting this bill.

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 1:32 PM
To: AGRtestimony
Cc: ancientspin@hotmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Tammy Davis	Individual	Support	No

Comments: Aloha, I am Tammy Davis, an organic farming land manager for 13 acres in Kilauea who votes! I support protecting our people from pesticide use, drift, and overhead spraying. Especially activity that damages health and well-being. Please help us protect our kids from industrial and corporate practices that do damage. Thank you.

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 2:16 PM
To: AGRtestimony
Cc: jteleia@yahoo.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Jeanne Teleia	Individual	Support	No

Comments: I strongly support the need for buffer zones for pesticide use. I support the actual elimination of the spraying of pesticides on public lands in the willy nilly fashion as it is done now but this bill is a step in the right direction.

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From: Lewis Thompson <steenrod@me.com>
Sent: Monday, February 16, 2015 1:23 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Lewis Thompson

Holualoa, HI 96725

From: Brandi Titus <brandimissmei@gmail.com>
Sent: Tuesday, February 17, 2015 10:34 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Brandi Titus

kapaa, HI 96746

From: Thomas Tizard <tizard8@hawaii.rr.com>
Sent: Monday, February 16, 2015 3:13 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Thomas Tizard

Kailua, HI 96734

From: Tlaloc Tokuda <tlalocct@hotmail.com>
Sent: Monday, February 16, 2015 4:25 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Tlaloc Tokuda

kailua kona, HI 96740

From: Ouida Trahan <slmiller@hawaiiantel.net>
Sent: Monday, February 16, 2015 1:41 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Ouida Trahan

Papaikou, HI 96781

From: Mary True <streamgirll@yahoo.com>
Sent: Monday, February 16, 2015 11:59 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Mary True

Pepeekeo, HI 96783

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 1:19 PM
To: AGRtestimony
Cc: tulsi@mauiishome.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Tulsi	Individual	Support	No

Comments: Please support this bill to help protect the children and educators from being exposed to pesticides. I am a registered voter and have lived in Hawaii my entire life. I strongly support this bill.

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 2:50 PM
To: AGRtestimony
Cc: luly.unemori2@hawaiiantel.net
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Luly Unemori	Individual	Oppose	No

Comments: Aloha Chair Lee and Honorable Representatives, I ask for your support in opposing this bill. As written, it could have drastic and unintended consequences. As a mom, I believe pesticides should be used wisely and carefully, but they also play an important role in keeping my children's environments safe, by controlling unwanted bacteria, centipedes, termites, rodents, spiders, etc. This bill seems very anti-farming, and rather than protect the community, would establish areas where unwanted pests would flourish. I think a much more thoughtful, well conceived approach is warranted. Mahalo for your consideration, Luly Unemori Maui

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From: mailinglist@capitol.hawaii.gov
Sent: Sunday, February 15, 2015 9:50 AM
To: AGRtestimony
Cc: m.uradomo.farms@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/15/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Ira Uradomo	Individual	Oppose	No

Comments: cannot support anything with no set quantities or distance defined. Will it be science based or fear based popularity.

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From: Uma Veloo <uveloo@hotmail.com>
Sent: Monday, February 16, 2015 3:58 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Uma Veloo

Honolulu, HI 96814

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 6:44 AM
To: AGRtestimony
Cc: jeffreyvesci@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Jeff vesci	Individual	Support	No

Comments: Time to stand up for our children! This is the logical first step.

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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Personal Testimony Presented before the
House Committee on Energy and Environmental Protection
February 19, 2015 at 8:30 am
by
Douglas L. Vincent, Ph.D., P.A.S.

HB 1514 HD1 (HSCR186) – RELATING TO ENVIRONMENTAL PROTECTION

Personal Testimony Opposed to HB 1514 HD1

Chair Tsuji and Vice Chair Onishi and members of the committee

My name is Douglas L. Vincent and I am a Professor and Animal Scientist in the College of Tropical Agriculture and Human Resources in the Department of Human Nutrition, Food and Animal Sciences. I am also a former Department Chair and have been a member of the faculty at the University of Hawaii at Manoa for nearly 30 years. I am pleased to provide personal testimony on HB 1514 HD1. This testimony does not represent the position of the University of Hawaii or the College of Tropical Agriculture and Human Resources.

I am opposed to this bill and believe that this bill would put serious constraints on our farmers on their use of restricted use pesticides. The use of these pesticides are already controlled and heavily regulated in their use and placing additional restrictions and penalties will make it difficult for our farmers to make a profit. The idea of buffer zones might be make sense in an ideal setting but the implementation would wreak havoc. Excessive buffer zones could potentially limit a farmer's ability to raise a crop by eliminating land he or she could farm. If penalties and restrictions on the use of these pesticides are applied only to farmers, then why aren't they applied to other users of pesticides such as resorts, golf courses, and even homeowners. What about tent fumigation? I live across the street from a school. If this law is passed, I might not be able to use the legal services of a pesticide company to control my pests or have my home fumigated. It's difficult to imagine that this bill will do anything but limit our farmer's ability to farm. Thank you for the opportunity to provide testimony in opposition to HB 1514 HD1.

onishi3 - Timothy

From: carol volker <carolonkauai@hawaiiantel.net>
Sent: Monday, February 16, 2015 2:29 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

carol volker

Kapaa, HI 96746

From: Eric Voorhies <ericv63@msn.com>
Sent: Monday, February 16, 2015 8:50 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Eric Voorhies

Kapaa, HI 96746

From: Joy Wall <joyannwall@hotmail.com>
Sent: Monday, February 16, 2015 7:00 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Joy Wall

Keauhou, HI 96739

From: Faye Wallace <likowallace@ymail.com>
Sent: Monday, February 16, 2015 1:11 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Faye Wallace

Kaunakakai, HI 96748

From: judy waters <makawaofiddler@yahoo.com>
Sent: Monday, February 16, 2015 11:34 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

judy waters

makawao, HI 96768

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 12:43 PM
To: AGRtestimony
Cc: watsonblake8@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Blake WAtson	Individual	Support	No

Comments: Aloha Representatives, Thank you for taking the time to work on this important legislation. Pesticides have known hazards, and the minimum that we should be doing to protect the most sensitive members of our population is to create "no-spray" buffers around schools and hospitals. In 2002, while attending Mountain View school on Hawai'i Island, my six year old son was poisoned by pesticide drift from the farm next door -along with most of his classmates that had their classroom windows open at the time of the incident. He wasn't quite himself for two days; his mind was muddy and unfocused. Some of the kids passed out on the scene, around 10 were sent to see the doctor/hospital, another 30 were sent home. Please support HB1514, and keep the buffer zones as wide as absolutely possible; in the case of my son, the farmer would not be able to farm next to the school with these pesticides whether the buffer is 100 or 500 feet - because he was on a 150' wide lot, so it might as well have been 500 feet. He shouldn't be spraying that close to schools. And because the the larger agribusinesses in our state that are spraying up to 80 restricted- use pesticides do it more often and in larger quantities than the small farmers, a larger 500 ft buffer is more than reasonable; further, the lands that they are leasing tend to be large acreages that can handle a large sized buffer. Not to mention that many of these toxic farms are located on some of the most prime agricultural lands in the state; the very least they can do is give up a sizable border and keep some of that land in better condition. Mahalo, Blake Watson

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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From: Joanna Weber <joanna.franz@gmail.com>
Sent: Monday, February 16, 2015 12:24 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Joanna Weber

Kailua-Kona, HI 96740

From: katy white <katywhite@hotmail.com>
Sent: Monday, February 16, 2015 4:22 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

katy white

Naalehu, HI 96772

From: Heather Whitehead <hwhitehead@centerforfoodsafety.org>
Sent: Monday, February 16, 2015 10:56 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Heather Whitehead

Richmond, CA 94804

From: Doris Williams <javysmama@me.com>
Sent: Monday, February 16, 2015 8:32 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Doris Williams

Hanapepe, HI 96716

TESTIMONY FOR HB1514 HD1 Hawaii State House

Thursday, February 19, 2015

State House Conference Room 312 at 8:30a

Submitted by Lynn B. Wilson, PhD

Chair & Committee Members of the House Committee on Agriculture

Clift Tsuji, Chair; Richard H.K. Onishi, Vice Chair; Tom Brower; Romy M. Cachola; Isaac W. Choy; Ken Ito; Derek S.K. Kawakami; Sam S. Kong; Takashi Ohno; James K. Tokioka; Justin W. Woodson; Lauren K. Matsumoto; Gene Ward

Dear Representatives:

I am a cultural anthropologist who has invested over 20 years in supporting the health and well being of young children and their families in Hawaii by partnering with public and private agencies including the Hawaii State Department of Health, UH JABSOM Department of Pediatrics, American Academy of Pediatrics/Hawaii Chapter, community health centers, and early childhood organizations in the areas of health, early learning, family engagement and support. I have also co-founded small businesses with Sharon Taba, MEd, Webfish Pacific, LLC & Same Small Boat Productions, LLC, that have received federal, state, and foundation support to develop projects supporting young children and their families.

I am writing to urge you to support **HB1514 HD1: Relating to Environmental Protection**, introduced in the House by Representative Chris Lee.

This proposed law aims to protect the State's environment and residents from the unintended impacts by:

- 1) Establishing disclosure requirements for large-scale commercial agriculture outdoor applications of pesticides in proximity to schools, childcare facilities, and certain commercial agricultural entities;
- 2) Establishing reasonable pesticide buffer zones for sensitive areas; and,
- 3) Establishing penalties.

Research clearly demonstrates that even low exposures to environmental toxins, such as pesticides (including fumigants, herbicides, pesticides, etc.), put healthy brain development in fetuses and young children at tremendous risk. Please see attached policy statements from the American Academy of Pediatrics and the American College of Gynecologists.

In Hawaii, where agrichemical companies are using increasing amounts of pesticides and increasingly using multiple pesticides, acute and chronic exposure can be due to

pesticide drift, particulate dust, water we drink and the water we swim in, jeopardizing the health of pregnant women and young children as well as the environment itself.

It is particularly large chemical companies that are conducting “experiments,” but not just on their seeds and the various, multiple pesticides they use in seed development. Their outdoor laboratories are also experimenting on the people and the islands of Hawaii- introducing a combination of killing chemicals year round into our islands that research shows can negatively impact human motor-neuron systems, increase autism, and result in endocrine disruption, with dramatic effects on vulnerable populations especially pregnant women and children.

To better protect the people and island environments of Hawaii, we need to learn from these corporations, from their past actions, because large chemical companies do not have a positive track record in protecting the communities in which they work. For example, look at the litany of disasters that have taken place across the country for Monsanto, just one of the companies operating in Hawaii: (documented largely after the contaminations occurred by U.S. EPA documents 1997-2012, see end references)

- Monsanto in Augusta, Georgia: Superfund-listed in 1984 for arsenic-laden waste and sludge contributing to groundwater contamination.¹
- Monsanto in Soda Springs, Idaho: Superfund listed in 1990 for arsenic, cadmium and other toxins.²
- Monsanto in Sauget, Illinois: Two Superfund sites are still being cleaned up after the initial cleanup in 1992; this plant produced 99% of all PCBs in the United States.³
- Monsanto in Anniston, Alabama: Listed under Superfund Alternative Approach in 2000 for extensive PCB contamination over six decades, a city characterized as one of the most polluted places in America.^{4,5}
- Solutia plants, ranked #1 in Texas and #4 in Massachusetts for the EPA's top contaminated sites in 2007.⁶

I believe “Good Neighbor” reporting is not enough to protect Hawaii’s families and young children, not enough to protect Hawaii’s lands, animals, and waters—these reports lack specifics of when and where and in what combination pesticides are applied, do not protect families and communities by establishing effective buffer zones, and do not inform surrounding communities in a timely way.

Therefore, it is critical to establish effective buffer zones, require timely and comprehensive use notifications, and increase use restrictions. This bill aims to protect our environment and our residents by requiring public posting of pesticide outdoor application, notification to occupants and residents of sensitive areas, and recordkeeping and annual public disclosure. Importantly, this bill does not prohibit governing bodies at the county level from regulating pesticide disclosure, notification, and use from regulating pesticides in a more stringent manner.

Thank you for your support of **HB1514 HD1**. It’s a critical time to pay attention to the “upstream” solutions that will play such a prominent role in positively influencing the

health and well-being of Hawaii's communities, families and young children for generations to come.

With Respect & Aloha,

Lynn B. Wilson, PhD

Waipahu, HI 96797

References:

- ¹ EPA. "Monsanto Corp. (Augusta Plant)." Site Summary Profile. Updated February 9, 2012. Available at <http://www.epa.gov/region4/superfund/sites/npl/georgia/monaugpa.html>
- ² EPA. "Superfund Record of Decision: Monsanto Chemical Co. (Soda Springs Plant)." April 30, 1997.
- ³ EPA. "Superfund Update- Cleanup Progressing and Future Plans: Saugnet Area 1 and Area 2 Superfund Sites." November 2009 at 1 to 2; DHHS (2000) at 481.
- ⁴ EPA. EPA Fact Sheet: Anniston Site. February 13, 2001; EPA. "Anniston PCB Site." Updated January 3, 2012. Available at <http://epa.gov/region4/superfund/sites/npl/alabama/anpcbstal>; EPA. "Superfund Alternative Approach." Updated August 2, 2012. Available at <http://www.epa.gov/oecaerth/cleanup/superfund/saa.html>
- ⁵ Grunwald, Michael. "Monsanto Hid Decades of Pollution." The Washington Post. January 1, 2002 at A01.
- ⁶ EPA. [Press Release]. "Community Specific Chemical Release Data Available for Massachusetts- New England continues trend of lower releases to air, land, and water." March 20, 2009; EPA [Press Release]. "EPA Reports Toxic Releases to Air, Water and Land in Texas in 2007." March 19, 2009.



POLICY STATEMENT

Pesticide Exposure in Children

COUNCIL ON ENVIRONMENTAL HEALTH

KEY WORDS

pesticides, toxicity, children, pest control, integrated pest management

ABBREVIATIONS

EPA—Environmental Protection Agency

IPM—integrated pest management

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PEDIATRICS (ISSN Numbers: Print, 0031-4005; Online, 1098-4275).

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abstract

FREE

This statement presents the position of the American Academy of Pediatrics on pesticides. Pesticides are a collective term for chemicals intended to kill unwanted insects, plants, molds, and rodents. Children encounter pesticides daily and have unique susceptibilities to their potential toxicity. Acute poisoning risks are clear, and understanding of chronic health implications from both acute and chronic exposure are emerging. Epidemiologic evidence demonstrates associations between early life exposure to pesticides and pediatric cancers, decreased cognitive function, and behavioral problems. Related animal toxicology studies provide supportive biological plausibility for these findings. Recognizing and reducing problematic exposures will require attention to current inadequacies in medical training, public health tracking, and regulatory action on pesticides. Ongoing research describing toxicologic vulnerabilities and exposure factors across the life span are needed to inform regulatory needs and appropriate interventions. Policies that promote integrated pest management, comprehensive pesticide labeling, and marketing practices that incorporate child health considerations will enhance safe use. *Pediatrics* 2012;130:e1757–e1763

INTRODUCTION

Pesticides represent a large group of products designed to kill or harm living organisms from insects to rodents to unwanted plants or animals (eg, rodents), making them inherently toxic (Table 1). Beyond acute poisoning, the influences of low-level exposures on child health are of increasing concern. This policy statement presents the position of the American Academy of Pediatrics on exposure to these products. It was developed in conjunction with a technical report that provides a thorough review of topics presented here: steps that pediatricians should take to identify pesticide poisoning, evaluate patients for pesticide-related illness, provide appropriate treatment, and prevent unnecessary exposure and poisoning.¹ Recommendations for a regulatory agenda are provided as well, recognizing the role of federal agencies in ensuring the safety of children while balancing the positive attributes of pesticides. Repellents reviewed previously (eg, N,N-diethyl-meta-toluamide, commonly known as DEET; picaridin) are not discussed.²

SOURCES AND MECHANISMS OF EXPOSURE

Children encounter pesticides daily in air, food, dust, and soil and on surfaces through home and public lawn or garden application, household insecticide use, application to pets, and agricultural product

TABLE 1 Categories of Pesticides and Major Classes

Pesticide category	Major Classes	Examples
Insecticides	Organophosphates	Malathion, methyl parathion, acephate
	Carbamates	Aldicarb, carbaryl, methomyl, propoxur
	Pyrethroids/pyrethrins	Cypermethrin, fenvalerate, permethrin
	Organochlorines	Lindane
	Neonicotinoids	Imidacloprid
Herbicides	N-phenylpyrazoles	Fipronil
	Phosphonates	Glyphosate
	Chlorophenoxy herbicides	2,4-D, mecoprop
	Dipyridyl herbicides	Diquat, paraquat
Rodenticides	Nonselective	Sodium chlorate
	Anticoagulants	Warfarin, brodifacoum
	Convulsants	Strychnine
	Metabolic poison	Sodium fluoroacetate
Fungicides	Inorganic compounds	Aluminum phosphide
	Thiocarbamates	Metam-sodium
	Triazoles	Fluconazole, myclobutanil, triadimefon
Fumigants	Strobilurins	Pyraclostrobin, picoxystrobin
	Halogenated organic	Methyl bromide, Chloropicrin
	Organic	Carbon disulfide, Hydrogen cyanide, Naphthalene
Miscellaneous	Inorganic	Phosphine
	Arsenicals	Lead arsenate, chromated copper arsenate, arsenic trioxide
	Pyridine	4-aminopyridine

residues.^{3–9} For many children, diet may be the most influential source, as illustrated by an intervention study that placed children on an organic diet (produced without pesticide) and observed drastic and immediate decrease in urinary excretion of pesticide metabolites.¹⁰ In agricultural settings, pesticide spray drift is important for residences near treated crops or by take-home exposure on clothing and footwear of agricultural workers.^{9,11,12} Teen workers may have occupational exposures on the farm or in lawn care.^{13–15} Heavy use of pesticides may also occur in urban pest control.¹⁶

Most serious acute poisoning occurs after unintentional ingestion, although poisoning may also follow inhalational exposure (particularly from fumigants) or significant dermal exposure.¹⁷

ACUTE PESTICIDE TOXICITY

Clinical Signs and Symptoms

High-dose pesticide exposure may result in immediate, devastating, even lethal consequences. Table 2 summarizes features of clinical toxicity for

the major pesticides classes. It highlights the similarities of common classes of pesticides (eg, organophosphates, carbamates, and pyrethroids) and underscores the importance of discriminating among them because treatment modalities differ. Having an index of suspicion based on familiarity with toxic mechanisms and taking an environmental history provides the opportunity for discerning a pesticide's role in clinical decision-making.¹⁸ Pediatric care providers have a poor track record for recognition of acute pesticide poisoning.^{19–21} This reflects their self-reported lack of medical education and self-efficacy on the topic.^{22–26} More in-depth review of acute toxicity and management can be found in the accompanying technical report or recommended resources in Table 3.

The local or regional poison control center plays an important role as a resource for any suspected pesticide poisoning.

There is no current reliable way to determine the incidence of pesticide exposure and illness in US children. Existing data systems, such as the American Association of Poison Control Centers'

National Poison Data System or the National Institute for Occupational Safety and Health's Sentinel Event Notification System for Occupational Risks,^{27,28} capture limited information about acute poisoning and trends over time.

There is also no national systematic reporting on the use of pesticides by consumers or licensed professionals. The last national survey of consumer pesticide use in homes and gardens was in 1993 (Research Triangle Institute study).²⁹

Improved physician education, accessible and reliable biomarkers, and better diagnostic testing methods to readily identify suspected pesticide illness would significantly improve reporting and surveillance. Such tools would be equally important in improving clinical decision-making and reassuring families if pesticides can be eliminated from the differential diagnosis.

The Pesticide Label

The pesticide label contains information for understanding and preventing acute health consequences: the active ingredient; signal words identifying acute toxicity potential; US Environmental Protection Agency (EPA) registration number; directions for use, including protective equipment recommendations, storage, and disposal; and manufacturer's contact information.³⁰ Basic first aid advice is provided, and some labels contain a "note for physicians" with specific relevant medical information. The label does not specify the pesticide class or "other"/"inert" ingredients that may have significant toxicity and can account for up to 99% of the product.

Chronic toxicity information is not included, and labels are predominantly available in English. There is significant use of illegal pesticides (especially in immigrant communities), off-label use, and overuse, underscoring the importance of education, monitoring, and enforcement.³¹

TABLE 2 Common Pesticides: Signs, Symptoms, and Management Considerations^a

Class	Acute Signs and Symptoms	Clinical Considerations
Organophosphate and N-methyl carbamate insecticides	<ul style="list-style-type: none"> • Headache, nausea, vomiting, abdominal pain, and dizziness • Hypersecretion: sweating, salivation, lacrimation, rhinorrhea, diarrhea, and bronchorrhea • Muscle fasciculation and weakness, and respiratory symptoms (bronchospasm, cough, wheezing, and respiratory depression) • Bradycardia, although early on, tachycardia may be present • Miosis • Central nervous system: respiratory depression, lethargy, coma, and seizures 	<ul style="list-style-type: none"> • Obtain red blood cell and plasma cholinesterase levels • Atropine is primary antidote • Pralidoxime is also an antidote for organophosphate and acts as a cholinesterase reactivator • Because carbamates generally produce a reversible cholinesterase inhibition, pralidoxime is not indicated in these poisonings
Pyrethroid insecticides	<ul style="list-style-type: none"> • Similar findings found in organophosphates including the hypersecretion, muscle fasciculation, respiratory symptoms, and seizures • Headache, fatigue, vomiting, diarrhea, and irritability • Dermal: skin irritation and paresthesia 	<ul style="list-style-type: none"> • At times have been mistaken for acute organophosphate or carbamate poisoning • Symptomatic treatment • Treatment with high doses of atropine may yield significant adverse results • Vitamin E oil for dermal symptoms • Supportive care
Neonicotinoid insecticides	<ul style="list-style-type: none"> • Disorientation, severe agitation, drowsiness, dizziness, weakness, and in some situations, loss of consciousness • Vomiting, sore throat, abdominal pain • Ulcerations in upper gastrointestinal tract 	<ul style="list-style-type: none"> • Consider sedation for severe agitation • No available antidote • No available diagnostic test • Supportive care • No available antidote • No available diagnostic test
Fipronil (N-phenylpyrazole insecticides)	<ul style="list-style-type: none"> • Nausea and vomiting • Aphthous ulcers • Altered mental status and coma • Seizures 	<ul style="list-style-type: none"> • Control acute seizures with lorazepam
Lindane (organochlorine insecticide)	<ul style="list-style-type: none"> • Central nervous system: mental status changes and seizures • Paresthesia, tremor, ataxia and hyperreflexia 	<ul style="list-style-type: none"> • Lindane blood level available as send out • Supportive care • Pulmonary effects may be secondary to organic solvent
Glyphosate (phosphonate herbicides)	<ul style="list-style-type: none"> • Nausea and vomiting • Aspiration pneumonia type syndrome • Hypotension, altered mental status, and oliguria in severe cases • Pulmonary effects may in fact be secondary to organic solvent 	<ul style="list-style-type: none"> • Consider urine alkalinization with sodium bicarbonate in IV fluids
Chlorophenoxy herbicides	<ul style="list-style-type: none"> • Skin and mucous membrane irritation • Vomiting, diarrhea, headache, confusion • Metabolic acidosis is the hallmark • Renal failure, hyperkalemia, and hypocalcemia • Probable carcinogen 	<ul style="list-style-type: none"> • Consider PT (international normalized ratio)
Rodenticides (long-acting anticoagulants)	<ul style="list-style-type: none"> • Bleeding: gums, nose, and other mucous membrane sites • Bruising 	<ul style="list-style-type: none"> • Observation may be appropriate for some clinical scenarios in which it is not clear a child even ingested the agent • Vitamin K indicated for active bleeding (IV vitamin K) or for elevated PT (oral vitamin K)

IV, intravenous; PT, prothrombin time.

^a Expanded version of this table is available in the accompanying technical report.¹

CHRONIC EFFECTS

Dosing experiments in animals clearly demonstrate the acute and chronic toxicity potential of multiple pesticides. Many pesticide chemicals are classified by the US EPA as carcinogens. The

past decade has seen an expansion of the epidemiologic evidence base supporting adverse effects after acute and chronic pesticide exposure in children. This includes increasingly sophisticated studies addressing

combined exposures and genetic susceptibility.¹

Chronic toxicity end points identified in epidemiologic studies include adverse birth outcomes including preterm birth, low birth weight, and congenital

TABLE 3 Pesticide and Child Health Resources for the Pediatrician

Topic/Resource	Additional Information	Contact Information
Management of acute pesticide poisoning <i>Recognition and Management of Pesticide Poisonings</i>	Print: fifth (1999) is available in Spanish, English, 6th edition available 2013	http://www.epa.gov/pesticides/safety/healthcare/handbook/handbook.htm 1 (800) 222-1222
Regional Poison Control Centers	Cooperative agreement between Oregon State University and the US EPA. NPMMP provides informational assistance by E-mail in the assessment of human exposure to pesticides	npmmp@oregonstate.edu or by fax at (541) 737-9047
Chronic exposure information and specialty consultation The National Pesticide Medical Monitoring Program (NPMMP)	Coordinated by the Association of Occupational and Environmental Clinics to provide regional academically based free consultation for health care providers	www.aococ.org/PEHSU.htm ; toll-free telephone number (888) 347-AOEC (extension 2632)
Pediatric Environmental Health Specialty Units (PEHSUs)		www.epa.gov/oppfead1/Publications/Cit_Guide/citguide.pdf
Resources for safer approaches to pest control US EPA <i>Citizens Guide to Pest Control and Pesticide Safety</i>	Consumer information documents <ul style="list-style-type: none"> • Household pest control • Alternatives to chemical pesticides • How to choose pesticides • How to use, store, and dispose of them safely • How to prevent pesticide poisoning • How to choose a pest-control company 	www.epa.gov/pesticides/controlling/index.htm www.ipm.ucdavis.edu
Controlling pests The University of California Integrative Pest Management Program	Recommended safest approaches and examples of programs Information on IPM approaches for common home and garden pests	www.niehs.nih.gov/research/supported/centers/prevention
Other resources National research programs addressing children's health and pesticides		www.nationalchildrensstudy.gov/Pages/default.aspx www.epa.gov/pesticides/regulating/labels/product-labels.htm#projects
US EPA		http://toxtown.nlm.nih.gov/text_version/chemicals.php?id=23
The National Library of Medicine "Tox Town"	Section on pesticides that includes a comprehensive and well-organized list of web link resources on pesticides	

anomalies, pediatric cancers, neuro-behavioral and cognitive deficits, and asthma. These are reviewed in the accompanying technical report. The evidence base is most robust for associations to pediatric cancer and adverse neurodevelopment. Multiple case-control studies and evidence reviews support a role for insecticides in risk of brain tumors and acute lymphocytic leukemia. Prospective contemporary birth cohort studies in the United States link early-life exposure to organophosphate insecticides with reductions in IQ and abnormal behaviors associated with attention-deficit/hyperactivity disorder and autism. The need to better understand the health implications of ongoing pesticide use practices on child health has benefited from these observational epidemiologic data.³²

EXPOSURE PREVENTION APPROACHES

The concerning and expanding evidence base of chronic health consequences of pesticide exposure underscores the importance of efforts aimed at decreasing exposure.

Integrated pest management (IPM) is an established but undersupported approach to pest control designed to minimize and, in some cases, replace the use of pesticide chemicals while achieving acceptable control of pest populations.³³ IPM programs and knowledge have been implemented in agriculture and to address weeds and pest control in residential settings and schools, commercial structures, lawn and turf, and community gardens. Reliable resources are available from the US EPA and University of California—Davis (Table 3). Other local policy approaches in use are posting warning signs of pesticide use, restricting spray zone buffers at schools, or restricting specific types of pesticide products in schools. Pediatricians can

play a role in promotion of development of model programs and practices in the communities and schools of their patients.

RECOMMENDATIONS

Three overarching principles can be identified: (1) pesticide exposures are common and cause both acute and chronic effects; (2) pediatricians need to be knowledgeable in pesticide identification, counseling, and management; and (3) governmental actions to improve pesticide safety are needed. Whenever new public policy is developed or existing policy is revised, the wide range of consequences of pesticide use on children and their families should be considered. The American Academy of Pediatrics, through its chapters, committees, councils, sections, and staff, can provide information and support for public policy advocacy efforts. See <http://www.aap.org/advocacy.html> for additional information or contact chapter leadership.

Recommendations to Pediatricians

1. Acute exposures: become familiar with the clinical signs and symptoms of acute intoxication from the major types of pesticides. Be able to translate clinical knowledge about pesticide hazards into an appropriate exposure history for pesticide poisoning.
2. Chronic exposures: become familiar with the subclinical effects of chronic exposures and routes of exposures from the major types of pesticides.
3. Resource identification: know locally available resources for acute toxicity management and chronic low-dose exposure (see Table 3).
4. Pesticide labeling knowledge: Understand the usefulness and limitations of pesticide chemical information on pesticide product labels.
5. Counseling: Ask parents about pesticide use in or around the home to help determine the need for providing targeted anticipatory guidance. Recommend use of minimal-risk products, safe storage practices, and application of IPM (least toxic methods), whenever possible.

6. Advocacy: work with schools and governmental agencies to advocate for application of least toxic pesticides by using IPM principles. Promote community right-to-know procedures when pesticide spraying occurs in public areas.

Recommendations to Government

1. Marketing: ensure that pesticide products as marketed are not attractive to children.
2. Labeling: include chemical ingredient identity on the label and/or the manufacturer's Web site for all product constituents, including inert ingredients, carriers, and solvents. Include a label section specific to "Risks to children," which informs users whether there is evidence that the active or inert ingredients have any known chronic or developmental health concerns for children. Enforce labeling practices that ensure users have adequate information on product contents, acute and chronic toxicity potential, and emergency information. Consider printing or making available labels in Spanish in addition to English.
3. Exposure reduction: set goal to reduce exposure overall. Promote application methods and practices that minimize children's exposure, such as using bait stations and gels, advising against overuse of pediculicides. Promote education regarding proper storage of product.
4. Reporting: make pesticide-related suspected poisoning universally reportable and support a systematic central repository of such incidents to optimize national surveillance.
5. Exportation: aid in identification of least toxic alternatives to pesticide use internationally, and unless safer alternatives are not available or are impossible to implement, ban export of products that are banned or restricted for toxicity concerns in the United States.
6. Safety: continue to evaluate pesticide safety. Enforce community right-to-know procedures when pesticide spraying occurs in public areas. Develop, strengthen, and enforce standards of removal of concerning products for home or child product use. Require development of a human biomarker, such as a urinary or blood measure, that can be used to identify exposure and/or early health implications with new pesticide chemical registration or reregistration of existing products. Developmental toxicity, including endocrine disruption, should be a priority when evaluating new chemicals for licensing or reregistration of existing products.
7. Advance less toxic pesticide alternatives: increase economic incentives for growers who adopt IPM, including less toxic pesticides. Support research to expand and improve IPM in agriculture and nonagricultural pest control.
8. Research: support toxicologic and epidemiologic research to better identify and understand health risks associated with children's exposure to pesticides. Consider supporting another national study of pesticide use in the home and garden setting of US households as a targeted initiative or through cooperation with existing research opportunities (eg, National Children's Study, NHANES).
9. Health provider education and support: support educational efforts to increase the capacity of pediatric health care providers to diagnose and manage acute pesticide

poisoning and reduce pesticide exposure and potential chronic pesticide effects in children. Provide support to systems such as Poison Control Centers to provide timely, expert advice on exposures. Require the development of diagnostic tests to assist providers with diagnosing (and ruling out) pesticide poisoning.

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ERRATA

Spooner. We Are Still Waiting for Fully Supportive Electronic Health Records in Pediatrics. *Pediatrics*. 2012;130(6):e1674–e1676.

An error occurred in this article by Spooner, titled “We Are Still Waiting for Fully Supportive Electronic Health Records in Pediatrics” published in the December 2012 issue of *Pediatrics* (2012;130[6]:e1674–e1676; originally published online November 19, 2012; doi:10.1542/peds.2012-2724). On page e1674, on line 33, this reads: “The alarming result from the survey was that only 3% of AAP Fellows reported that they had a system that provided all of the items listed by Leu and colleagues.” This should have read: “The alarming result from the survey was that only 9.6% of AAP Fellows reported that they had or planned to adopt within 12 months a system that provided all of the five “pediatric-supportive” items listed by Leu and colleagues.”

doi:10.1542/peds.2013-0134

Auger et al. Medical Home Quality and Readmission Risk for Children Hospitalized With Asthma Exacerbations. *Pediatrics*. 2013;131(1):64–70

An error occurred in this article by Auger et al, titled “Medical Home Quality and Readmission Risk for Children Hospitalized With Asthma Exacerbations” published in the January 2013 issue of *Pediatrics* (2013;131[1]:64–70; doi:10.1542/2012-1055). On page 69, in Table 2 under the heading Adjusted HR, on the line Medicaid, this reads: “0.28 (0.51–1.34).” This should have read: “0.82 (0.51–1.34).”

doi:10.1542/peds.2013-0187

Council on Environmental Health. Policy Statement: Pesticide Exposure in Children. *Pediatrics*. 2012;130(6):e1757–e1763

A couple of errors occurred in this AAP Policy Statement titled “Pesticide Exposure in Children” published in the December 2012 issue of *Pediatrics* (2012;130[6]:e1757–e1763; originally published online November 26, 2012; doi:10.1542/peds.2012-2757). In Table 2, in the second and third columns where glyphosate is discussed, the words “organic solvent” should be replaced with the word “surfactant.” On page e1758, in the first paragraph of the left-hand column, immediately beneath Table 1, the first full sentence should be amended to read: “For many children, diet may be the most influential source, as illustrated by an intervention study that placed children on an organic diet (produced without most conventional pesticides) and observed drastic and immediate decrease in urinary excretion of organophosphate pesticide metabolites.”

doi:10.1542/peds.2013-0576

Robert JR, Karr CJ; Council on Environmental Health. Technical Report: Pesticide Exposure in Children. *Pediatrics*. 2012;130(6):e1765–e1788

Several inaccuracies occurred in this AAP Technical Report titled “Pesticide Exposure in Children” published in the December 2012 issue of *Pediatrics* (2012;130[6]:e1765–e1788; originally published online November 26, 2012; doi:10.1542/peds.2012-2758). On page e1773 and in Tables 1 and 2 where the phosphonate herbicide glyphosate is discussed, changes should be noted. In the first paragraph of the first column on page e1773 about acute glyphosate poisoning, the word “intentional” should be substituted for the word “unintentional.” In this same paragraph as well as in Tables 1 and 2, the word “surfactant” should replace the words “hydrocarbon solvent” and “organic solvent, respectively.” The

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The American College of
Obstetricians and Gynecologists
WOMEN'S HEALTH CARE PHYSICIANS



COMMITTEE OPINION

Number 575 • October 2013

The American College of Obstetricians and Gynecologists Committee on Health Care for Underserved Women

American Society for Reproductive Medicine Practice Committee

The University of California, San Francisco Program on Reproductive Health and the Environment

This Committee Opinion was developed by the American College of Obstetricians and Gynecologists Committee on Health Care for Underserved Women and the American Society for Reproductive Medicine Practice Committee with the assistance of the University of California, San Francisco (UCSF) Program on Reproductive Health and the Environment. The Program on Reproductive Health and the Environment endorses this document. This document reflects emerging clinical and scientific advances as of the date issued and is subject to change. This information should not be construed as dictating an exclusive course of treatment or procedure to be followed.

Exposure to Toxic Environmental Agents

ABSTRACT: Reducing exposure to toxic environmental agents is a critical area of intervention for obstetricians, gynecologists, and other reproductive health care professionals. Patient exposure to toxic environmental chemicals and other stressors is ubiquitous, and preconception and prenatal exposure to toxic environmental agents can have a profound and lasting effect on reproductive health across the life course. Prenatal exposure to certain chemicals has been documented to increase the risk of cancer in childhood; adult male exposure to pesticides is linked to altered semen quality, sterility, and prostate cancer; and postnatal exposure to some pesticides can interfere with all developmental stages of reproductive function in adult females, including puberty, menstruation and ovulation, fertility and fecundity, and menopause. Many environmental factors harmful to reproductive health disproportionately affect vulnerable and underserved populations, which leaves some populations, including underserved women, more vulnerable to adverse reproductive health effects than other populations. The evidence that links exposure to toxic environmental agents and adverse reproductive and developmental health outcomes is sufficiently robust, and the American College of Obstetricians and Gynecologists and the American Society for Reproductive Medicine join leading scientists and other clinical practitioners in calling for timely action to identify and reduce exposure to toxic environmental agents while addressing the consequences of such exposure.

Reproductive Environmental Health

Robust scientific evidence has emerged over the past 15 years, demonstrating that preconception and prenatal exposure to toxic environmental agents can have a profound and lasting effect on reproductive health across the life course (1–3). Exposure to toxic environmental agents also is implicated in increases in adverse reproductive health outcomes that emerged since World War II; these changes have occurred at a rapid rate that cannot be explained by changes in genetics alone, which occur at a slower pace. For additional information, a detailed review is available at www.acog.org/goto/underserved.

Exposure to environmental chemicals and metals in air, water, soil, food, and consumer products is ubiquitous. An analysis of National Health and Nutrition

Examination Survey data from 2003–2004 found that virtually every pregnant woman in the United States is exposed to at least 43 different chemicals (4). Chemicals in pregnant women can cross the placenta, and in some cases, such as with methyl mercury, can accumulate in the fetus, resulting in higher fetal exposure than maternal exposure (5–7). Prenatal exposure to environmental chemicals is linked to various adverse health consequences, and patient exposure at any point in time can lead to harmful reproductive health outcomes. For example, prenatal exposure to certain pesticides has been documented to increase the risk of cancer in childhood; adult male exposure to pesticides is linked to altered semen quality, sterility, and prostate cancer; and postnatal exposure to some pesticides can

interfere with all developmental stages of reproductive function in adult females, including puberty, menstruation and ovulation, fertility and fecundity, and menopause (8). A group of chemicals called endocrine disrupting chemicals has been shown to interfere with the role of certain hormones, homeostasis, and developmental processes (9). They represent a heterogeneous group of agents used in pesticides, plastics, industrial chemicals, and fuels. One study shows that the endocrine disrupting chemical bisphenol-A works in a fashion that is comparable to diethylstilbestrol at the cell and developmental level (10). Likewise, research has clearly shown that many industrial chemicals can affect thyroid function (9, 11). Because of deficiencies in the current regulatory structure, unlike pharmaceuticals, most environmental chemicals have entered the marketplace without comprehensive and standardized information regarding their reproductive or other long-term toxic effects (12).

Vulnerable Populations and Environmental Disparities

Although exposure to toxic environmental agents is ubiquitous among all patient populations, many environmental factors harmful to reproductive health also disproportionately affect vulnerable and underserved populations and are subsumed in issues of environmental justice. In the United States, minority populations are more likely to live in the counties with the highest levels of outdoor air pollution (13) and to be exposed to a variety of indoor pollutants, including lead, allergens, and pesticides than white populations (14). In turn, the effects of exposure to environmental chemicals can be exacerbated by injustice, poverty, neighborhood quality, housing quality, psychosocial stress, and nutritional status (14, 15).

Women with occupational exposure to toxic chemicals also are highly vulnerable to adverse reproductive health outcomes (16). For example, levels of organophosphate pesticides and phthalates measured in occupationally exposed populations are far greater than levels measured in the general population (17, 18). Furthermore, low-wage immigrant populations disproportionately work in occupations associated with a hazardous workplace environment (19, 20).

As underscored by a groundbreaking 2009 report by the National Academy of Sciences, the effects of low-dose exposure to an environmental contaminant may be quite different based on vulnerabilities, such as the underlying health status of the population and the presence of additional or “background” environmental exposure (21). Recognition of environmental disparities is essential for developing and implementing successful and efficient strategies for prevention.

Prevention

The evidence that links exposure to toxic environmental agents and adverse reproductive and developmental health outcomes is sufficiently robust, and the American

College of Obstetricians and Gynecologists (the College) and the American Society for Reproductive Medicine (ASRM) join numerous other health professional organizations in calling for timely action to identify and reduce exposure to toxic environmental agents while addressing the consequences of such exposure (1, 22, 23). Reproductive care providers can be effective in preventing prenatal exposure to environmental threats to health because they are uniquely poised to intervene before and during pregnancy, which is a critical window of human development. An important outcome of pregnancy is no longer just a healthy newborn but a human biologically predisposed to be healthy from birth to old age (3, 24).

Providing Anticipatory Guidance

It is important for health care providers to become knowledgeable about toxic environmental agents that are endemic to their specific geographic areas. Intervention as early as possible during the preconception period is advised to alert patients regarding avoidance of toxic exposure and to ensure beneficial environmental exposure, eg, fresh fruit and vegetables, unprocessed food, outdoor activities, and a safe and nurturing physical and social environment. By the first prenatal care visit, exposure to toxic environmental agents and disruptions of organogenesis may have already occurred. Obtaining a patient history during a preconception visit and the first prenatal visit to identify specific types of exposure that may be harmful to a developing fetus is a key step and also should include queries of the maternal and paternal workplaces. A list of key chemical categories, sources of exposure, and clinical implications are provided in the online companion document to this Committee Opinion (www.acog.org/goto/underserved). Examples of an exposure history are available at http://prhe.ucsf.edu/prhe/clinical_resources.html. Once this exposure inventory has been completed, information should be given regarding the avoidance of exposure to toxic agents at home, in the community, and at work with possible referrals to occupational medicine programs or United States Pediatric Environmental Health Specialty Units if a serious exposure is found (25).

Reproductive care professionals do not need to be experts in environmental health science to provide useful information to patients and refer patients to appropriate specialists when a hazardous exposure is identified. Existing clinical experience and expertise in communicating risks of treatment are largely transferable to environmental health. Physician contact time with a patient does not need to be the primary point of intervention; information and resources about environmental hazards can be successfully incorporated into a childbirth class curriculum or provided in written materials to help parents make optimal choices for themselves and their children (26).

Reporting identified hazards is critical to prevention. For example, the reproductive toxicity of a common solvent used in many consumer products was first

described in a case report of a stillbirth (27). Physicians in the United States are required to report illnesses or injuries that may be work related, and reporting requirements vary by state. No authoritative national list of physician-reporting requirements by state exists. Resources for information about how to report occupational and environmental illnesses include local and state health agencies and the Association of Occupational and Environmental Clinics (<http://www.aoec.org/about.htm>). Illnesses include acute and chronic conditions, such as a skin disease (eg, contact dermatitis), respiratory disorder (eg, occupational asthma), or poisoning (eg, lead poisoning or pesticide intoxication) (28).

Patient-centered actions can reduce body burdens of toxic chemicals (ie, the total amount of chemicals present in the human body at any one time) (29–32). For example, research results document that when children’s diets change from conventional to organic, the levels of pesticides in their bodies decrease (29, 30). Likewise, study results document that avoiding canned food and other dietary sources of bisphenol A can reduce measured levels of the chemical in children and adult family members (31), and that short-term changes in dietary behavior may significantly decrease exposure to phthalates (32).

Clinicians should encourage women in the preconception period and women who are pregnant or lactating to eat fruit, vegetables, beans, legumes, and whole grains every day, to avoid fast food and other processed foods whenever possible, and to limit foods high in animal fat, while providing information about how certain types of food affect health and how individuals can make changes. Also, patients should be advised that some large fish, such as shark, swordfish, king mackerel, and tilefish, are known to contain high levels of methylmercury, which is known to be teratogenic. As such, women in the preconception period and women who are pregnant or lactating should avoid these fish. To gain the benefits of consuming fish, while avoiding the risks of methylmercury consumption, pregnant women should be encouraged to enjoy a variety of other types of fish, including up to 12 ounces a week (two average meals) of a variety of fish and shellfish that are low in mercury. Five of the most commonly eaten seafood items that are low in mercury are shrimp, canned light tuna, salmon, pollock, and catfish. White (albacore) tuna has more mercury than canned light tuna and should be limited to no more than 6 ounces per week. Pregnant women and breastfeeding women should also check local advisories regarding the safety of fish caught in local lakes, rivers, and coastal areas. If no advice is available, they should consume no more than 6 ounces per week (one average meal) of fish caught in local waters and no other fish during that week (33).

Primary Prevention: The Role of Reproductive Care Professionals Beyond the Clinical Setting

Ultimately, evidence-based recommendations for preventing harmful environmental exposure must involve

policy change (34). Action at the individual level can reduce exposure to some toxic chemicals (29, 31, 32) and informed consumer-purchasing patterns can send a signal to the marketplace to help drive societal change (35). However, individuals alone can do little about exposure to toxic environmental agents, such as from air and water pollution, and exposure perpetuated by poverty. The incorporation of the authoritative voice of health care professionals in policy arenas is critical to translating emerging scientific findings into prevention-oriented action on a large scale. Accordingly, many medical associations have taken steps in that direction (23).

For example, in 2009, the Endocrine Society called for improved public policy to identify and regulate endocrine disrupting chemicals and recommended that “until such time as conclusive scientific evidence exists to either prove or disprove harmful effects of substances, a precautionary approach should be taken in the formulation of EDC [endocrine disrupting chemical] policy” (36). Consistent with the clinical imperative to “do no harm,” the precautionary principle states, “When an activity raises threats of harm to human health or the environment, precautionary measures should be taken even if some cause and effect relationships are not fully established scientifically” (37).

The College and the ASRM join these associations and call on their members to advocate for policies to identify and reduce exposure to environmental toxic agents while addressing the consequences of such exposure. Advancing policies and practices in support of a healthy food system should be pursued as a primary prevention strategy to ensure the health of pregnancies, children, and future generations. The College and ASRM urge the U.S. Environmental Protection Agency and other federal and state agencies to take all necessary actions when reviewing substances to guarantee health and safety. In addition, the College and ASRM fully support rigorous scientific investigation into the causes and prevention of birth defects, including linkages between environmental hazards and adverse reproductive and developmental health outcomes. Timely and effective steps must be taken to ensure the safety of all mothers and infants from toxic environmental agents. Because data are lacking on the safety of most chemicals, careful consideration of the risks posed must be given while the potential immediate and long-term health and genetic risks are evaluated. A chemical should never be released if a concern exists regarding its effect on health.

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From: denise woods <dbwoodsluv@hotmail.com>
Sent: Monday, February 16, 2015 12:40 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

denise woods

Kapaa, HI 96746

From: William Worcester <Gosparky@hawaii.rr.com>
Sent: Monday, February 16, 2015 12:21 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

William Worcester

Kula, HI 96790

onishi3 - Timothy

From: Flora Worth <floramarie@hawaiiantel.net>
Sent: Tuesday, February 17, 2015 12:40 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Flora Worth

Lihue, HI 96766

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 7:24 PM
To: AGRtestimony
Cc: yamaguchd009@hawaii.rr.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Dennis Yamaguchi	Individual	Oppose	No

Comments: Small farms will be unfairly affected by such a law.

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Saturday, February 14, 2015 8:24 AM
To: AGRtestimony
Cc: isayao@mac.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/14/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
isabelle yao	Individual	Support	No

Comments:

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 7:24 PM
To: AGRtestimony
Cc: ayeh@hawaii.rr.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Aileen K . F. Yeh	Individual	Oppose	No

Comments: It should be left to the Department of Agriculture to address the public's concerns.

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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onishi3 - Timothy

From: Laurie Yoshida <laurieyoshida@gmail.com>
Sent: Monday, February 16, 2015 9:08 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Laurie Yoshida

Lihue, HI

From: Gail Yoshioka <gmechocolate1@gmail.com>
Sent: Monday, February 16, 2015 5:46 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

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In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Gail Yoshioka

Honolulu, HI 96813

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 16, 2015 3:13 PM
To: AGRtestimony
Cc: lucialyou@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM
Attachments: HB1514 revised.pages.zip

HB1514

Submitted on: 2/16/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Lucia You	Individual	Support	No

Comments:

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From: Alan Young <alyguy@hotmail.com>
Sent: Monday, February 16, 2015 11:49 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Alan Young

Hilo, HI 96720

onishi3 - Timothy

From: Jim Zampathas <zampathas.james@gmail.com>
Sent: Monday, February 16, 2015 3:41 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Jim Zampathas

Kamuela, HI 96743

From: Michelle Zielinski <Leopard14z@aol.com>
Sent: Monday, February 16, 2015 8:14 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Michelle Zielinski

Waikoloa, HI 96738

From: Albert Sikirdji <sol33king@gmail.com>
Sent: Tuesday, February 17, 2015 5:05 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Albert Sikirdji

Huelo/HAiku, HI 96768

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 6:00 PM
To: AGRtestimony
Cc: AmberRoseMiller@outlook.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Amber R Miller	Individual	Support	No

Comments: Children are so precious. What kind of monster would knowingly put them in danger with toxic particulates and gases?

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From: Andrea Anixt <andreapeatmoss@gmail.com>
Sent: Tuesday, February 17, 2015 11:39 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Andrea Anixt

Ka'a'awa, HI 96730

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 12:46 PM
To: AGRtestimony
Cc: robert@hawaiiisustainable.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Robert Bence	Individual	Support	No

Comments: Aloha, I grew up in Kula, I am a lifelong farmer and the last election was my first as a registered voter. I do not use any pesticides and have remarkably high yields due to my cooperation with the USDA NRCS conservation practices. Freedom in our great nation is supposed to end when the freedom of one violates the freedom of another. The freedom to grow GMO or spray restricted use pesticides directly violates this god given right, recognized by our state and federal constitutions, for others to be free from the impact of those activities. That is why the Farmer's Union policy on GMO is that it should not be allowed outside of the laboratory. The Farm Bureau has been ignoring the wishes of its members to regulate GMO and RUP and many farmers have left the organization as a result. It is the very least our state can do to join with the majority of other states and provide buffer zones around the most vulnerable populations. How many cases like the incident in Waimea Canyon school are we willing to accept? As a farmer I assure you that the use of restricted use pesticides or genetically modified organisms is completely unnecessary. The testimony of Hawaii's only pediatric neurologist in support of HB 1514 is a good reason to pass this very modest bill. Less than one percent of Hawaii's farmers would be impacted and they are mainland chemical corporations not local farmers. They should not be allowed to impact any neighbors. Please pass HB 1514 to at least somewhat help protect our state's most vulnerable citizens. Mahalo

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From: samantha berberich <samantha.berberich@yahoo.com>
Sent: Tuesday, February 17, 2015 1:45 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

samantha berberich

honolulu, HI 96813

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 5:18 PM
To: AGRtestimony
Cc: patriciablair@msn.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Patricia Blair	Individual	Support	No

Comments:

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From: Barbara Borgnino <Borgnino@yahoo.com>
Sent: Tuesday, February 17, 2015 3:26 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Barbara Borgnino

Honolulu, HI 96816

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 2:14 PM
To: AGRtestimony
Cc: quindembokauai@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Monica Campo	Individual	Comments Only	No

Comments: Dear Hawai'i State Legislature, Please allow for the disclosure of pesticide use and buffer zones which will protect the children of Kaua'i. It is every human's right to know and feel that their health and safety is not being compromised. It is without dire consequences that few are profiting without regard to health and safety. Please acknowledge and act accordingly. Thank you

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 1:30 PM
To: AGRtestimony
Cc: kahaleinia@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Malia Chun	Individual	Support	Yes

Comments: Testimony in support of HB 1514: Malia Chun P.O. Box 680 Kekaha, Hi. 96752
Education: B.A. Hawaiian Studies and Education, UH Manoa 2000 My name is Malia Chun and I reside on the west side of Kaua'i in the town of Kekaha. I am writing in support of HB 1514, which will require the state to establish pesticide buffer zones around schools and nursing homes to protect the health of keiki and kupuna. 7 years ago I had the opportunity to build my own home in Kekaha. This is an opportunity that many young families, let alone single mothers such as myself, cannot afford to experience in Hawai'i. Kekaha is a rural, close knit community, consisting of many 1st and 2nd generation plantation workers, fishermen, hunters and Ni'ihaians (natives of the island of Ni'ihau). At first, I saw this transition as a blessing, an opportunity to raise my children in a safe, community minded environment, just a block from beautiful white sand beaches and 20 minutes away from Koke'e State Park. Little did I know at the time, that in a matter of 3 years I would be surrounded by GM test sites, that constantly spray toxic chemicals year round, even at night as we sleep. The only thing that stands between my brand new home and these toxic chemicals is a polluted irrigation ditch. The sad fact is, that I live in Hawaiian homesteads, among one of the largest pure Native Hawaiian, native speaking populations in the state of Hawai'i, people who are considered an endangered human race and we are surrounded by and exposed to RUPs (restricted use pesticides) on a daily basis. What I have learned in the last 7 years of being a resident of Kekaha is that the number of people who suffer from physical ailments on the west side of Kaua'i is astounding. After 7 years of residing next to a GM test site, I now suffer from adult asthma, my daughters suffer from frequent headaches, bloody noses and respiratory infections. As a result of these physical ailments, I have taken it upon myself to educate my family and my community on the dangers of RUP's, how other countries have been affected through exposure and how our food system has been compromised by round-up ready genetically modified foods and bi-products. Lawmakers of Hawai'i, the health and wellness of these children and families are your responsibility. I urge you to VOTE YES and support HB 1514, it is a long awaited step in the right direction towards a cleaner, healthier future for our keiki. Mahalo for your time, Mālia Chun

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From: Cindy Chung <sedona@doglover.com>
Sent: Tuesday, February 17, 2015 11:58 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Cindy Chung

Honolulu, HI 96797

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 1:19 PM
To: AGRtestimony
Cc: jimcooper@mindspring.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Jim Cooper	Individual	Support	No

Comments: Please SUPPORT HB1514 which establishes buffer zones around schools, eldercare facilities and fresh water reservoirs where pesticides may not be used. This is a common sense measure. We cannot continue to dump poisons on the aina and hope that no harm comes from it.

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From: Thomas Creagh <Tom@keikisoccer.com>
Sent: Tuesday, February 17, 2015 4:52 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Thomas Creagh

kihei, HI 96753

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 5:19 PM
To: AGRtestimony
Cc: chad@chaddeal.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Chad Deal	Individual	Support	No

Comments: Buffer zones need to be in place to protect our keiki. Kauai Schools within .5 mile of Known Restricted Use Pesticide Users 1. Kamehameha Preschool - Kaumakani 2201 Kaumakani Road Kaumakani HI 96747 2. Child and Family Services Head Start 8563 Elepaio Road Kekaha, HI 96752 3. Waimea High School 9707 Tsuchiya Road Waimea, HI 96796 4. Waimea Canyon Middle School 9555 Huakai Road Waimea, HI 96796 5. Kekaha Elementary School 8140 Kekaha Road Kekaha, HI 96752 6. Kula Aupuni Niihau A Kahelelani Aloha (KANAKA) Public Charter School 8315 Kekaha Road, Suite "K" Kekaha, HI 96752 7. Ke Kula Niihau O Kekaha Public Charter School 8135 Kekaha Road Kekaha, HI 96752 8. St. Theresa School 8311 Kaunaulii Highway Kekaha, HI 96752 Kauai Schools within 1 mile of Known Restricted Use Pesticide Users 9. Waimea Baptist Preschool 9512 Kaunaulii Highway Waimea, HI 96796 10. Child and Family Services Head Start Eleele 4750 Uliuli Road 'Ele'ele, HI 96705 11. 'Ele'ele Elementary School 4750 Uliuli Road Eleele, HI 96705

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From: Stephen Dynako <stephen@dynako.com>
Sent: Tuesday, February 17, 2015 3:56 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Stephen Dynako

Chicago, IL 60626

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 12:44 PM
To: AGRtestimony
Cc: harvest@kauai-vacations-realty.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Harvest Edmonds	Individual	Support	No

Comments:

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 5:25 PM
To: AGRtestimony
Cc: halepulekauai@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
phoebe eng	Individual	Comments Only	No

Comments: To the House Ag Committee - I support HB 1514, as a resident of west Kaua'i. I live in an area where 8 schools, ranging from pre-school to high school, fall within a 1/2 mile distance from fields where Restricted Use Pesticides (RUP's) are applied by largescale corporate users. Three additional schools fall within one mile of those fields. Kaua'i keiki will suffer the brunt of statewide RUP applications by large commercial companies, with 11 out of a total 26 schools statewide within a mile of large-scale RUP application areas (42% of the statewide schools affected). I am including the west Kaua'i school list below, so that it is part of the public record. Opponents of this bill will claim that this bill is infeasible for one reason or another. But the bottom line here is that our state needs to be as careful and cautious as it can be to protect the children of our state. I urge you, as state legislators not to allow "jobs" and revenue-driven economic arguments to have equal weight against the lives and longterm health of our keiki. Children's lives and health are priceless. Real lives are at stake. Please have the courage and moral strength to stand up strongly for Hawaii state's right to exercise extra care and caution when it comes to Hawaii keiki's lives. I include, for the public record two lists: Kaua'i Schools within 1/2 mile of Known Restricted Use Pesticide Users: 1. Child and Family Services Head Start 8563 Elepaio Road Kekaha, HI 96752 2. Waimea High School 9707 Tsuchiya Road Waimea, HI 96796 3. Waimea Canyon Middle School 9555 Huakai Road Waimea, HI 96796 4. Kekaha Elementary School 8140 Kekaha Road Kekaha, HI 96752 5. Kula Aupuni Niihau A Kahelelani Aloha (KANAKA) Public Charter School 8315 Kekaha Road, Suite "K" Kekaha, HI 96752 6. Ke Kula Niihau O Kekaha Public Charter School 8135 Kekaha Road Kekaha, HI 96752 7. St. Theresa School 8311 Kaunaulii Highway Kekaha, HI 96752 8. Kamehameha Preschool - Kaumakani 2201 Kaumakani Road Kaumakani HI 96747 Kauai Schools within 1 mile of Known Restricted Use Pesticide Users: 9. Waimea Baptist Preschool 9512 Kaunaulii Highway Waimea, HI 96796 10. Child and Family Services Head Start Eleele 4750 Uliuli Road 'Ele'ele, HI 96705 11. 'Ele'ele Elementary School 4750 Uliuli Road Eleele, HI 96705 Mahalo for your consideration. Please pass HB 1514 in your committee. Sincerely, Phoebe L. Eng

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TESTIMONY OF HEIDI FLEMING

MOTHER OF CHILD IN KAUA`I PUBLIC SCHOOL

ON HB 1514, RELATING TO ENVIRONMENTAL PROTECTION

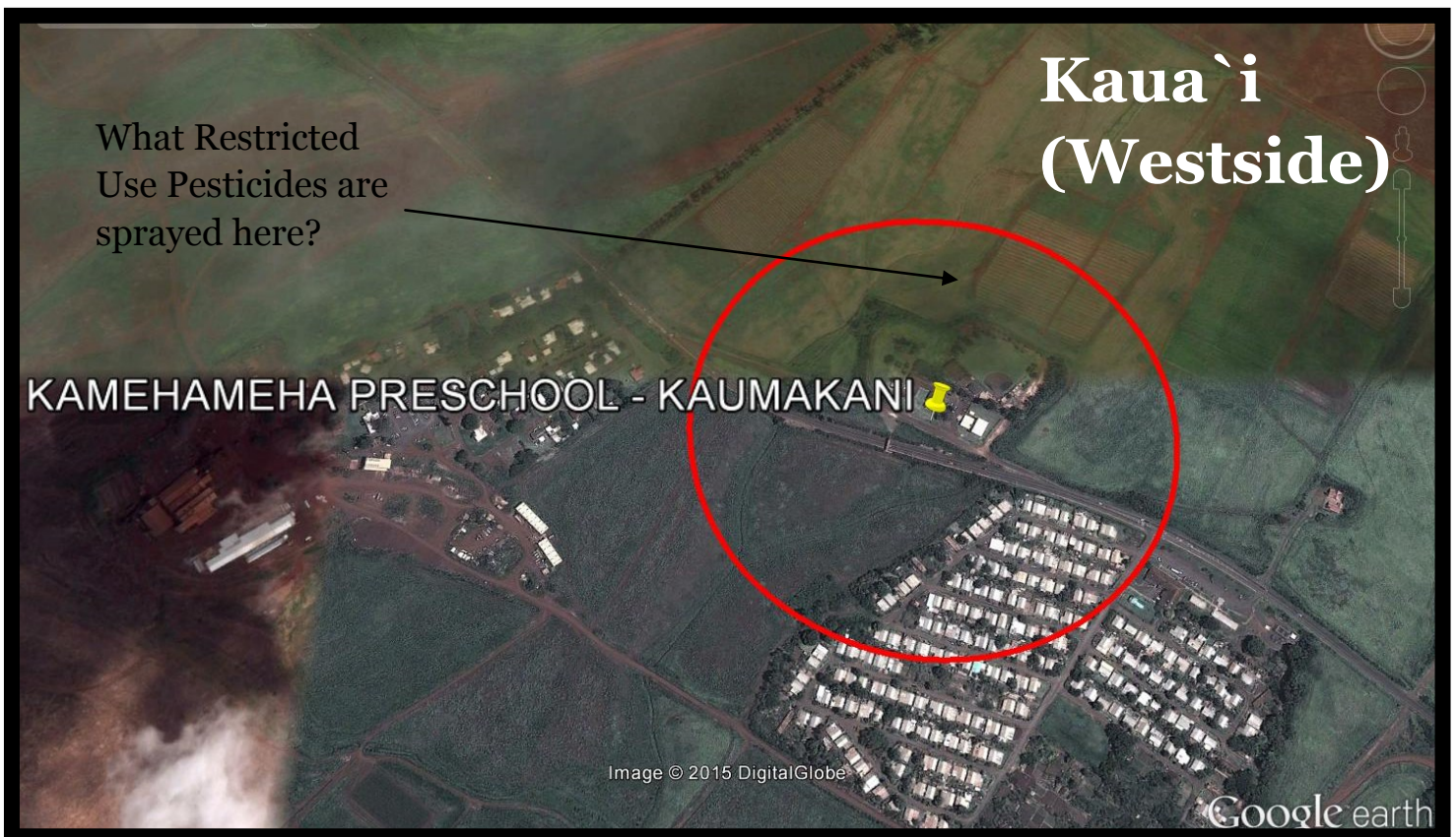
POSITION: SUPPORT

Dear Committee Members:

I am a mother on Kaua`i with a child attending a public school in Anahola, namely Kanuikapono. This school is surrounded by land zoned "agriculture" to the north, south, and west. Much of it is owned by the State. To my knowledge, no Restricted Use Pesticides are being sprayed within 1,000 feet around the school and for the health of my child and the teachers I would like to keep it that way. **Please support HB 1514 and include a requirement for pesticide buffer zones around schools to be at least 1,000 feet.**

Using Google Earth, I took a look at schools on Kauai to see what 1,000 foot buffer zones would look like. **The red circles in the pictures below represent a 1,000 foot buffer.**

On the westside of Kaua`i, Kaumakani Preschool (Kamehameha Schools) has about 50 acres of land zoned for "agriculture" within a proposed 1,000 foot buffer. Records online (Kauai Real Property Search) show the landowner is Robinson Family Partners. The farm operator is presumably Dow AgroSciences.



Google Earth Image Dated 2/15/13

From December 2013 to December 2014, Dow AgroSciences applied 934 gallons and 6.1 pounds of Restricted Use Pesticides over a field area of 5,000 acres on Kaua`i (source: Kaua`i Good Neighbor Database, available online). The active ingredients in these pesticides include Atrazine, Paraquat, and Chlorpyrifos. **If you get the chance, please ask Dow: How much was sprayed in the fields near Kaumakani preschool?**

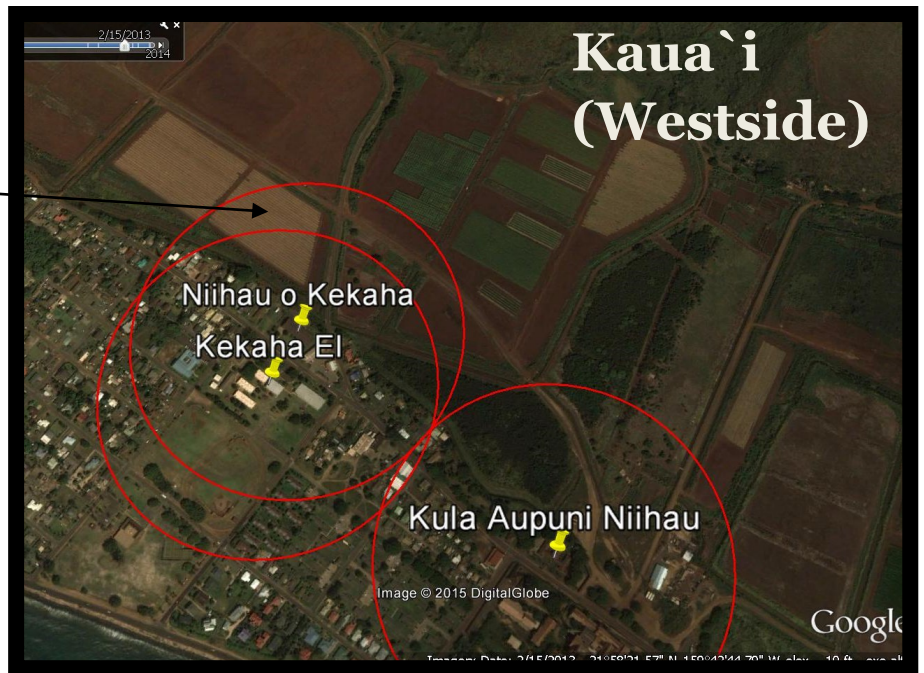
Pesticide spraying by the chemical companies also seems to be occurring within 1,000 feet around schools in Kekaha.

Kekaha Schools

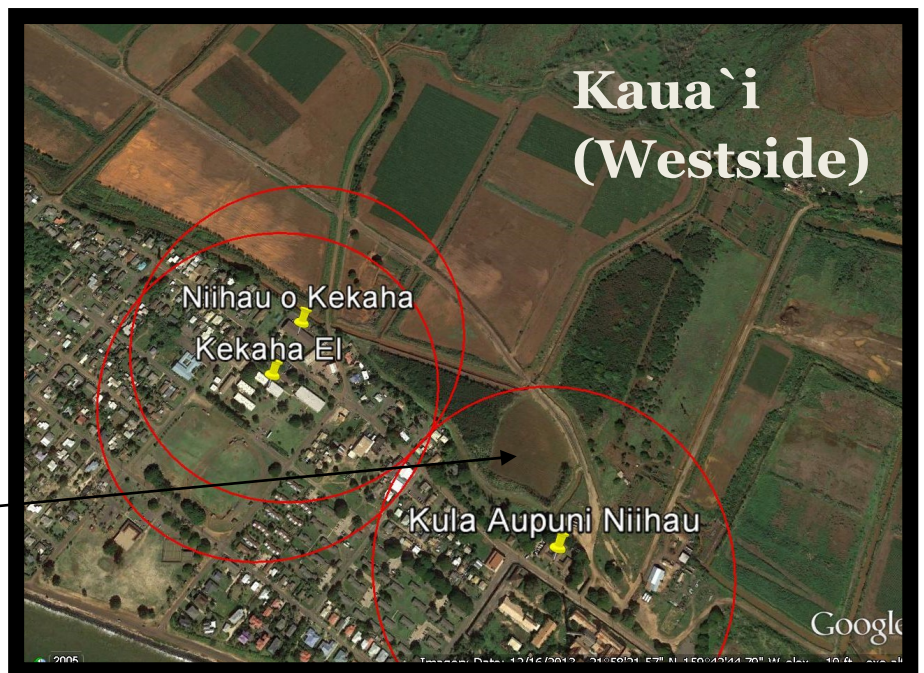
Notice the farming operations within a **proposed 1,000 foot buffer zone (in red)** around these schools. **These should be no spray zones!**

- **Owner of Agriculture Land: State of Hawaii (TMK: 412002001).**
- **Farm Operator: The State leases portions of this parcel to BASF, Pioneer, and Syngenta. Whose fields are closest to these schools?**

Notice the new field that went in just north of Kula Aupuni Niihau School!



Google Earth Image Dated 2/15/13



Google Earth Image Dated 12/16/13


For your reference I am attaching the first page of the pesticide labels for some of the Restricted Use Pesticides that were applied on Kaua'i. These can be found online.

To conclude, I wish to point out that there are no laws in Hawaii preventing some very toxic chemicals from being sprayed on agriculture lands directly adjacent to our most precious resources — our children! People should come before profits.

Thank you,


Heidi Fleming

Note: It is illegal to sell, use or distribute this product within, or into, Nassau County or Suffolk County, New York. PULL HERE TO OPEN ►



Dual Magnum[®]

Herbicide



syngenta.

For weed control in corn; cotton; grasses grown for seed; horseradish; peanuts; beans, peas, and lentils; potatoes; pumpkin; rhubarb; safflowers; sugar beets; sunflowers; sweet, grain or forage sorghum, soybean; soybean, immature seed; and tomatoes

Active Ingredient:	
S-metolachlor (CAS No. 87392-12-9)	83.7%
Other Ingredients:	16.3%
Total:	100.0%

Dual Magnum contains 7.52 lbs. of active ingredient per gallon.


KEEP OUT OF REACH OF CHILDREN.
CAUTION

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 100-816 EPA Est. 070989-IA-001
Product of Switzerland Formulated in the USA

SCP 816A-L1U 1210
337398

2.5 gallons
Net Contents



PULL HERE TO OPEN ►

RESTRICTED USE PESTICIDE
(GROUND AND SURFACE WATER CONCERNS)

FOR RETAIL SALE TO AND USE ONLY BY CERTIFIED APPLICATORS OR PERSONS UNDER THEIR DIRECT SUPERVISION, AND ONLY FOR THOSE USES COVERED BY THE CERTIFIED APPLICATOR'S CERTIFICATION.
THIS PRODUCT IS A RESTRICTED-USE HERBICIDE DUE TO GROUND AND SURFACE WATER CONCERNS. USERS MUST READ AND FOLLOW ALL PRECAUTIONARY STATEMENTS AND INSTRUCTIONS FOR USE IN ORDER TO MINIMIZE POTENTIAL FOR ATRAZINE TO REACH GROUND AND SURFACE WATER.

GROUP 5 HERBICIDE

AAtrex[®]
Nine-O[®]

Herbicide

For season-long weed control in corn and certain other crops

Active Ingredients:

Atrazine: 2-chloro-4-ethylamino-6-isopropylamino-s-triazine 88.2%

Related Compounds 1.8%

Other Ingredients: 10.0%

Total 100.0%

AAtrex Nine-O is a water-dispersible granule.

KEEP OUT OF REACH OF CHILDREN.

CAUTION

See additional precautionary statements and directions for use inside booklet.

EPA Reg. No. 100-585

EPA Est. 100-LA-001

SCP 585A-L101CC 0110
307128

syngenta[®]



Specimen Label

RESTRICTED USE PESTICIDE

For retail sale to and use only by Certified Applicators or persons under their direct supervision and only for those uses covered by the Certified Applicator's certification.



Dow AgroSciences



INSECTICIDE

®Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow

For control of listed insects infesting certain field, fruit, nut, and vegetable crops.

Group	1B	INSECTICIDE
-------	----	-------------

Active Ingredient:
 chlorpyrifos: O,O-diethyl-O-(3,5,6-trichloro-2-pyridinyl)phosphorothioate 40.2%
 Other Ingredients 59.8%
 Total 100.0%

Contains 3.755 lb of chlorpyrifos per gallon.
 Contains petroleum distillates.

Precautionary Statements

Hazard to Humans and Domestic Animals

EPA Reg. No. 62719-591

WARNING

May Be Fatal If Swallowed • Causes Skin Irritation • Causes Moderate Eye Irritation • Harmful If Inhaled • Prolonged Or Frequently Repeated Skin Contact May Cause Allergic Reactions In Some Individuals

Do not get on skin or on clothing. Avoid contact with eyes and breathing vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet.

First Aid

Organophosphate

First Aid (Cont.)

Note to physician: Contains petroleum distillate – vomiting may cause aspiration pneumonia.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-992-5994 for emergency medical treatment information.

Personal Protective Equipment (PPE)

Materials that are chemical resistant to this product are barrier laminate and viton ≥14 mils.

Mixers and loaders using a mechanical transfer loading system and applicators using aerial application equipment must wear:

- Long-sleeved shirt and long pants
- Shoes and socks

In addition to the above, **mixers and loaders** using a mechanical transfer loading system must wear:

- Chemical-resistant gloves
- Chemical-resistant apron
- A NIOSH-approved dust mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with any R, P, or HE filter

See Engineering Controls for additional requirements.

All **other mixers, loaders, applicators and handlers** must wear:

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant gloves
- Chemical-resistant apron when mixing or loading or exposed to the concentrate
- Chemical-resistant footwear plus socks
- Chemical-resistant headgear for overhead exposure
- A NIOSH-approved dust mist filtering respirator with MSHA/NIOSH approval number prefix TC-21C or a NIOSH-approved respirator with any R, P, or HE filter.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

Engineering Controls

Mixers and loaders supporting aerial applications must use a mechanical transfer system that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4)] for dermal protection, and must:

- Wear the personal protective equipment required above for mixers/loaders
- Wear protective eyewear if the system operates under pressure, and
- Be provided and have immediately available for use in an emergency, such as broken package, spill, or equipment breakdown: coveralls, chemical resistant footwear and chemical-resistant headgear if overhead exposure

Pilots must use an enclosed cockpit in a manner that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(6)].

Use of human flaggers is prohibited. Mechanical flagging equipment must be used.

When handlers use closed cab motorized ground application equipment in a manner that meets the requirements listed in the WPS for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 4:13 PM
To: AGRtestimony
Cc: ray.foster@monsanto.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Raymond Foster	Individual	Oppose	No

Comments: I respectfully oppose this bill. It is discriminatory and misleading. Pesticide applications made in accordance with label instructions are safe and beneficial. How can you exempt the great majority of Restricted Use Pesticide users, who make their pesticide applications in the highest population densities, while discriminating against the responsible minority use in the least populated areas - farms? I can only assume that this legislation was written by those who prescribe to extreme, prejudicial philosophy. Their demands will do much more harm than good for our communities. Please kill this bill! Ray Foster

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From: Karin Frost <karin@kfendeavors.com>
Sent: Tuesday, February 17, 2015 2:28 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Karin Frost

Makawao, HI 96768

onishi3 - Timothy

From: Michael Glidden <glidden@hawaii.edu>
Sent: Tuesday, February 17, 2015 10:45 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture. What about the pesticide applications on golf courses that are in much closer proximity to residences than farms? Not too mention that golf courses tend to apply pesticides at night/early morning when visibility is very low. What about the termite control companies that use pesticides with the "Danger" signal word in adjacent residences? Why are farmers unfairly targeted all of a sudden?

Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Michael Glidden

Waipahu, HI

onishi3 - Timothy

From: keoni gusman <keonigusman@gmail.com>
Sent: Tuesday, February 17, 2015 11:30 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

keoni gusman

makawao, HI

From: Scott Hamilton <malamakai2@gmail.com>
Sent: Tuesday, February 17, 2015 3:54 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Scott Hamilton

Kapa'a, HI 96746

From: Leilehua Yuen <yuenl008@hawaii.rr.com>
Sent: Tuesday, February 17, 2015 3:01 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Leilehua Yuen

Hilo, HI 96721

Testimony of Gail Wilkes RN MS AOCN, retired Oncology Nurse, Kauai

On HB 1514, Relating to Environmental Protection

February 17, 2015

Dear Chair Lee and Members of the House Committee on Energy and Environmental Protection:

My name is Gail Wilkes, and I am a retired oncology nurse practitioner living on Kauai. I submit this testimony in strong support of HB 1514 Relating to Environmental Protection.

HB 1514 requires disclosure of pesticide use for large agricultural operations that use Restricted Use Pesticides, which have the potential to cause great harm to exposed persons, especially young children in the formative years. Bill 1514 requires pesticide free "keiki protection buffer zones" around areas where individuals are most vulnerable to exposure, that includes homes, hospitals, schools and waterways.

As noted in Mr. Hooser's testimony, companies were identified that used 22 different types of restricted use pesticides, and some were used in amounts exceeding national norms.

I am very concerned about the risk of cancer, among other chronic diseases which often take 10-20 years of exposure to develop. As noted in the most recent National Cancer Institute/Centers for Disease Control state statistics, Hawaii is experiencing a trend in increased incidence in at least two malignancies historically related to pesticide exposure: Non-Hodgkins Lymphoma and leukemia (available at <http://www.statecancerprofiles.cancer.gov/incidencerates/index.php?stateFIPS=15&cancer=086&race=00&sex=0&age=001&type=incd&sortVariableName=rate&sortOrder=default>, accessed 2.5.15).

While it is recognized that these pesticides may be harmful, it is important to protect individuals who are at risk for exposure through drift or direct exposure, by requiring full disclosure of agents being administered in the area, so that individuals in that area can protect themselves from exposure. In addition, strong buffer zones must be enforced to limit exposure to the most vulnerable individuals residing near or in schools, hospitals or other agencies.

I strongly urge this Committee to protect Hawaii residents by supporting this measure.

Thank you for your consideration, and wisdom.

Sincerely,

Gail Wilkes, RN-BC, MS, AOCN, 4528 Kapuna Road, Kilauea, HI 96751, 808-431-4418

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 3:33 PM
To: AGRtestimony
Cc: emmaharberwhite@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Emily White	Individual	Support	No

Comments: Please support HB1514. Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. As you may know, at least 25 schools in Hawai'i are located within a mile of large agricultural companies that spray restricted- use pesticides. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas. It's time for the state to step up and put the health and safety of Hawai'i's people first. Mahalo.

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 10:57 AM
To: AGRtestimony
Cc: lmwx8@icloud.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Lawrence Warnock	Individual	Oppose	No

Comments:

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From: Laura Van Wagner <laura_vanwagner@hotmail.com>
Sent: Tuesday, February 17, 2015 2:30 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Laura Van Wagner

Kihei, HI 96753

onishi3 - Timothy

From: carol volker <carolonkauai@hawaiiantel.net>
Sent: Tuesday, February 17, 2015 5:17 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

carol volker

Kapaa, HI 96746

onishi3 - Timothy

From: Taylor Sumida <taylor.sumida@gmail.com>
Sent: Tuesday, February 17, 2015 11:23 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Taylor Sumida

hilo, HI

onishi3 - Timothy

From: GLENN TOYAMA <hawnflowgrdn@iglide.net>
Sent: Wednesday, February 18, 2015 7:28 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

GLENN TOYAMA

MOUNTAIN VIEW, HI

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 3:46 PM
To: AGRtestimony
Cc: craig@jewelsofthereef.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Craig F Threshie	Individual	Support	No

Comments: Aloha Chair Tsuji and Members of the State Agriculture Committee, I am strongly in favor of HB 1514 which would create pesticide buffer zones around schools and other sensitive areas and require disclosure by the largest users of "Restricted Use" Pesticides in Hawai'i. Please vote to support this very important bill. Aloha, Craig F Threshie

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 8:07 AM
To: AGRtestimony
Cc: okekai67@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Derrick Thielk	Individual	Oppose	No

Comments: I oppose this bill and also urge you to. This is very prejudicial towards agriculture and the people that work in that field. Thank you, Derrick Thielk

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From: Edward Taano <cynedard@yahoo.com>
Sent: Tuesday, February 17, 2015 12:17 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Edward Taano

Kihei, HI 96753

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 11:24 AM
To: AGRtestimony
Cc: meedolly@yahoo.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
taylor sumida	Individual	Oppose	No

Comments: I oppose this bill

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 6:31 AM
To: AGRtestimony
Cc: kauaihale@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Louisa Wooton	Individual	Support	No

Comments:

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Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

I support both conventional and organic farming and understand that we need FARMING to survive. When creating bills like HB1514 that focuses on buffer zones and RUPs, we often forget that a chemical is a chemical. How we use it dictates how safe or unsafe it is. Again, we target RUPs but please take a minute to research organic pesticides as well.

Organic pesticides:

[Actino-Iron](#): **“ATTENTION:** This product contains molybdenum (Mo).

Crops high in molybdenum can be **toxic to ruminant animals**. Use only according to manufacturer’s directions.”

[Agrisolutions Liquid Organic Zinc 7%](#): CAUTION! Inhalation: **Inhalation of mist may cause irritation of the upper respiratory tract.**

-Eyes: **Irritation of eyes.**

-Skin: Contact may cause irritation. Prolonged or repeated exposure may lead to **reddening of skin, rash, dermatitis or other skin reactions.**

-Ingestion: **Harmful if swallowed**

This bill states, “Of greatest concern are restricted use pesticides such as chlorpyrifos, which scientists have definitively linked to developmental delays in children, and other toxic exposure to pesticides during fetal, neonatal, and infant life that may disrupt critical development processes” Listed below is an organic pesticide with similar effects:

[Amazin Plus 1.2% ME \(MSDS\)](#): CAUTION! May cause eye irritation. May cause skin irritation. **May cause irritation of the respiratory system. May cause central nervous system effects. May cause adverse reproductive and fetal effects, as well as kidney and liver damage. Toxic to fish.**

These are only a few examples of how harmful organic chemicals can be as well. How is it different from any other chemical- RUP or not? How is this different from any household pesticide where children have been exposed recently and adversely affected by nearby schools? Again, the safety of any chemical is determined by how well the applicator uses it.

I am strongly opposed to HB1514 that targets farmers and agriculture.

Mahalo

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 5:21 PM
To: AGRtestimony
Cc: kalepa@maui.net
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Jonathan Starr	Individual	Support	No

Comments:

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 8:09 AM
To: AGRtestimony
Cc: marjorie.stanphill@hi.nacdnet.net
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Marj Stanphill	Individual	Oppose	No

Comments:

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From: Myan Spear <flyinmyan@aol.com>
Sent: Tuesday, February 17, 2015 11:37 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Myan Spear

Lahaina, HI 96767

onishi3 - Timothy

From: Gerry & Michelle Tieri <imbndvs@mac.com>
Sent: Wednesday, February 18, 2015 6:08 AM
To: AGRtestimony
Subject: I support HB 1514

Please protect our lungs and our brains from the harmful side effects of pesticide inhalation. Creating buffer zones will minimize exposure.

Thank you!

Michelle Tieri

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 3:30 PM
To: AGRtestimony
Cc: ellie.snyder@rare-dear.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Eleanor Snyder	Individual	Support	No

Comments: Please pass this bill. It is the least we can do to protect our keiki and the rest of us.

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 8:18 AM
To: AGRtestimony
Cc: susan.mulkern@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Susan Shaheen Mulkern	Individual	Oppose	No

Comments:

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 7:26 AM
To: AGRtestimony
Cc: sschenck@harc-hspa.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Susan Schenck	Individual	Oppose	No

Comments:

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 7:59 AM
To: AGRtestimony
Cc: santiago.eugene@ymail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Eugene Santiago	Individual	Oppose	No

Comments:

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HB1514 Hearing - House Committee on Agriculture
Thursday, February 19, 2015
8:30 am, House conference room 312

Heather Salmon, Maui County Resident

**TESTIMONY IN STRONG SUPPORT OF HB1514 – RELATING TO
ENVIRONMENTAL PROTECTION**

Aloha Esteemed Members of the Committee on Energy and Environmental Protection,

My name is Heather Salmon and I am writing in strong support of HB1514 Relating to Environmental Protection.

As a I auntie and resident of Maui am deeply concerned about the health of my family. I understand that Maui County has the highest rates of asthma of anywhere in the United States and that many new lung diseases are being diagnosed by local doctors. I personally have known 5 people who never smoked die of lung cancer in the past two years on this little island of Maui so needless to say that the quality of our air is of great concern to me.

In addition, I'm concerned about the waters surrounding our precious islands. It's easy to see by looking at the turtles with multiple huge tumors that there are also major issues with our waters. I have also know several young surfers that have been stricken with testicular cancer. My understanding is that the sugar cane fields are sprayed with thousands of pounds of Atrazine and then Roundup before being burned. Atrazine is a restricted use chemical that is banned in Switzerland where the company that creates it is headquartered. Atrazine is a known endocrine disruptor and the heavy metals end up in the ovaries and testies. Even at low levels it can cause infertility and menstrual difficulties. I am alarmed and concerned by the number of women I know with such problems and who are also dealing with breast cancer on the island. I have one male friend who lives literally right beside the cane fields who had to have mastectomy last year.

Further, understanding that several local schools across the state are in dangerous proximity to large-scale agricultural operations, the exposure and negative health impacts of pesticides are of grave concern.

Pesticide exposure is of more risk to young children for several reasons; their size, the immense growing and development occurring in their bodies during youth, and the ways in which they interact with the world around them – activities such

as placing their hands in their mouth or playing on the grass and ground.^{1,2} Even low-level exposure during fetal,³ neonatal,⁴ and infant life can disrupt critical developmental processes.⁵

Our children spend the large majority of their day at school, where we trust their safety is the key priority. It is crucial that we protect their school environments and their growing bodies from the harmful health effects of pesticide exposure.

Any pesticide can drift beyond the field where it is applied. Spray drift occurs during application, and can move even farther distances by windy conditions. Volatile pesticides like 2,4-D and dicamba are subject to vapor drift, which occurs when previously applied pesticides evaporate from plant and soil surfaces days to months after application,⁶ and is more likely in hot, conditions.

We have already witnessed emergency evacuations and negative health impacts from pesticide drift in near Hawai'i schools.^{7,8} Our children are being exposed. There is no time to waste.

Thank you for your sincere consideration to pass this measure to Protect Our Keiki.

Sincerely,

Heather Salmon

¹ National Research Council. 1993. Pesticides in the Diets of Infants and Children. National Academy Press: Washington D.C.

² Roberts J. R. and Karr C. J. 2012. Pesticide Exposure in Children. Council on Environmental Health. *Pediatrics*, 130(6): e1757-e1763. Available at: <http://pediatrics.aappublications.org/content/130/6/e1757.full.html>

³ Rull R. P., Gunier R., Von Behren J., Hertz A., Crouse V., Buffler P. A., and Reynolds P. 2009. Residential Proximity to Agricultural Pesticide Applications and Childhood Acute Lymphoblastic Leukemia. *Environmental Research*, 109(7): 891-899.

⁴ Chevrier C., Limon G., Monfort C., Rouget F., Garlantezec R., Petit C., Durand G., and Cordier A. 2011. Urinary Biomarkers of Prenatal Atrazine Exposure and Adverse Birth Outcomes in the PELAGIE Birth Cohort. *Environmental Health Perspectives*, 119(7): 1034-1041.

⁵ Shelton, JF et al. 2014. Neurodevelopmental Disorders and Prenatal Residential Proximity to Agricultural Pesticides: The CHARGE Study. *Environmental Health Perspective*, 122(10): 1103-1110.

⁶ USGS 2003. "USGS releases study on toxic rainfall in an Joaquin Valley," US Geological Survey, August 18, 2003.

⁷ Leone D. 2008. Odor that got kids sick debated. Honolulu Advertiser, February 24, 2008. <http://the.honoluluadvertiser.com/article/2008/Feb/24/In/Hawai'i802240350.html>.

⁸ Hillyer B. 2008. Lawmakers concerned about pesticide spraying. Hawai'i News Now, February 5, 2008. <http://www.Hawai'inewsnow.com/story/7822628/lawmakers-concerned-about-pesticide-spraying>

onishi3 - Timothy

From: ellen sofio <honsofio@aol.com>
Sent: Wednesday, February 18, 2015 4:42 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

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In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

ellen sofio

honolulu, HI 96822

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 11:29 AM
To: AGRtestimony
Cc: salina.a.kansana@monsanto.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
salina kansana	Individual	Oppose	No

Comments:

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From: Lynn Sahlem <lax2hi13@gmail.com>
Sent: Tuesday, February 17, 2015 1:35 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Lynn Sahlem

Waianae, HI 96792

onishi3 - Timothy

From: Laurence Roussel <ngoumbi@hotmail.com>
Sent: Wednesday, February 18, 2015 8:04 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Laurence Roussel

hana, HI 96713

onishi3 - Timothy

From: Carlton York <saws123@myway.com>
Sent: Wednesday, February 18, 2015 3:58 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Carlton York

Weaverville, NC 28787

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 12:52 PM
To: AGRtestimony
Cc: Alana.Ross@hotmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
AlanaRoss	Individual	Support	No

Comments: Please approve the buffer zone. This is crucial for the safety and welfare of the community members. I find it alarming that restricted use chemicals are allowed in Hawaii. We have a unique and fragile eco system that is being affected. The turtles have tumors and our ground water, plants, animals, people and the air is being contaminated. Because the the long-term effects are unknown, it is your duty as representatives to protect the islands of Hawaii Nei. These chemicals are classified as "Restricted Use" because they are DANGEROUS. By not OUTlawing them, we are setting Hawaii up for a future with sick soil, people, plants water, animals and air. We are also creating a new strain of chemical resistant bugs that can eat this poison for breakfast and not get sick. Unfortunately the people and children are not so resistant. "Restricted Use" pesticides are classified as possible carcinogens by the CDC. The effects are already being seen in health issues of community members. From rashes to respiratory illness, child defects and sick babies. B y using more chemicals close to homes, waterways and school and businesses, can you truly envision a positive turn around on these already prevalent issues if you do nothing about it? Will you just let more and more spraying occur close to our community members or will you protect us? The chemicals being used are already banned in countries world wide because they care about their citizens. Using them in Hawaii, to me is criminal. If you can not OUTlaw these poisons on our fragile eco system then at the very least our representatives can do is to start with a buffer zone and we can investigate more thoroughly the ill effects and dangers that are already present within our community and small island home. I urge you to create the buffer zone and stand up for the people and the justice way. Thank you.

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onishi3 - Timothy

From: Wendy Sato <wks808@hotmail.com>
Sent: Wednesday, February 18, 2015 3:51 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Wendy Sato

Honolulu, HI 96826

Dear Hawaii House of Representatives,

I am a resident of Kalaheo, HI and have lived in Hawaii for 8 years. I have a B.Sc. degree in Agricultural Science from Penn State University and have been involved in Agriculture my whole life, having grown up on a family dairy farm. Farmers and ranchers are stewards of the land- it is their livelihood. They have families with children and are a vital part of the community. They are not going to jeopardize their livelihood or family or neighbors health by using pesticides in an unsafe manner. Restricted use pesticides are only used by highly trained individuals who know how to apply it so that it doesn't drift or move off target and only harms the pest that it was designed to control. As written, HB 1514 would essentially ban all restricted use pesticides in Hawaii which would deal a devastating blow to the farming and ranching community. It would only increase the cost of food produced and would not give the community and environment any benefit. Please work with the Hawaii Farm Bureau and support HB504 to address pesticide concerns using HDOA's existing regulatory framework.

In closing, please **oppose bill HB1514** and support bill HB504.

Thank You,

Justin Robinson

Kalaheo, HI 96741

Justincrobinson@live.com

onishi3 - Timothy

From: Wendy Sato <wks808@hotmail.com>
Sent: Wednesday, February 18, 2015 3:51 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Wendy Sato

Honolulu, HI 96826

From: Sara Tekula <spectekula@gmail.com>
Sent: Wednesday, February 18, 2015 1:59 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Sara Tekula

Makawao, HI 96768

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 4:02 AM
To: AGRtestimony
Cc: rittew@hotmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Walter Ritte	Individual	Support	No

Comments: I AM IN STRONG SUPPORT OF HB1514!!!!!!!!!!!!!!

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 2:59 PM
To: AGRtestimony
Cc: misharenclair@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
misha renclair	Individual	Support	No

Comments: Please pass this bill

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onishi3 - Timothy

From: claudia rice <claudiarice25@gmail.com>
Sent: Wednesday, February 18, 2015 12:17 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

claudia rice

Honolulu, HI 96813

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 11:51 PM
To: AGRtestimony
Cc: maliakenney@yahoo.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
malia vasallo	Individual	Support	No

Comments: I completely support this bill. It's our basic right as human beings to be protected against pesticide exposure. We have the right to breathe clean, healthy air. Our children and elders who do not have a voice are counting on to protect their health. Please do the right thing and help establish buffer zones. Mahalo!

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 11:40 PM
To: AGRtestimony
Cc: billgail.hi@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
William Simonsma	Individual	Support	No

Comments: Dear Agriculture Committee members, Please approve of HB1514. We need solid legislation that protects our land and our people and is clearly enforceable. The danger from pesticide drift is clear and mankind has a history of severely damaging our planet.

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 7:25 AM
To: AGRtestimony
Cc: delfin.rabara@yahoo.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Delfin Rabara	Individual	Oppose	No

Comments:

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Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Roberta Puakea

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 2:58 PM
To: AGRtestimony
Cc: juneaujewels@hotmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Juliana Prater	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 7:44 AM
To: AGRtestimony
Cc: kapaakeagirl@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Susan Poaha	Individual	Oppose	No

Comments: My name is Susan B.K. Poaha born and raised on the Island of Molokai. Single parent and raised two children. My oldest girl had seizures while attending Elementary School and was put on medication and now is stable. My youngest daughter since born has Deadly Asthma and is still ongoing. It has nothing to do with pesticides or GMO. Its a hereditary in our family. I strongly oppose this bill and people should check their family history rather than blame pesticides or GMO. Mahalo!!

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Jeri Di Pietro
PO Box 338
Koloa, HI 96756
808 651 1332

Dear Committee,

I testify in strong support of HB1514, HD1. Being a resident on an outer island, we ask the state representatives for help, oversight and a law to require disclosure of the spraying of unknown restricted use pesticides, in chemical combinations, that are being used in large amounts on experimental agriculture. We also ask for meaningful buffer zones near our schools, hospitals and communities.

For over a decade we have acted within the law and within the system for our pain and outrage to be known. We have passed bills at our county levels only to be sued by the chemical companies doing the spraying and causing the drift and harm to health and environment. We are told by some at the county level that it is the State's kuleana.

We are polite and we are peaceful. We are law abiding and tax paying citizens. For me and for all the many folks who are feeling this similar concern, we implore you to demand that these chemical companies tell us what they are spraying, so that in the very least we can shut our windows before it comes into our homes.

We have sound that there is a serious absence of oversight and regulation. A large part of the attraction of Hawai'i for this testing is our isolation.

Our communities are left to ban together and piece our observations and experiences. We have seen a lot. We do know that these restricted use pesticides should not be sprayed near children, near water nor when the wind is blowing.

Kaua'i cannot wait. We need a good lab protocol for nurses. Disclosure is imperative.

Everyone deserves clean air and water. Please pass HB1514 today.

Aloha and mahalo,
Jeri Di Pietro

From: Sharon Pease <nutritionresources.hi@gmail.com>
Sent: Tuesday, February 17, 2015 12:12 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Sharon Pease

Lahaina, HI 96761

From: Janet Pappas <jpappas60@gmail.com>
Sent: Tuesday, February 17, 2015 12:57 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Janet Pappas

Aiea, HI 96701

onishi3 - Timothy

From: Astrid Watanabe <rustysfarm@hawaiiantel.net>
Sent: Tuesday, February 17, 2015 11:05 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Astrid Watanabe

Haiku, HI 96708

From: Elise Travis <mauisunrise7@yahoo.com>
Sent: Tuesday, February 17, 2015 10:25 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Elise Travis

Kihei, HI 96753

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 9:55 PM
To: AGRtestimony
Cc: pokifrt@hotmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Arman Wiggins	Individual	Oppose	No

Comments: Oppose this bill as unenforceable and impractical.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 9:54 PM
To: AGRtestimony
Cc: sheldontakajo@yahoo.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/17/2015

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Submitted By	Organization	Testifier Position	Present at Hearing
Sheldon Takajo	Individual	Oppose	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 10:41 PM
To: AGRtestimony
Cc: Qohana@hawaii.rr.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Keri Quinsaat	Individual	Support	No

Comments: Aloha, I strongly urge you to pass this bill WITH disclosure statements intact. I am a small business owner and mother to three young children on Maui. I am very concerned about what's been going on in Hawaii, and it's very scary to me that the big chemical "agri cultural" companies don't have to disclose what they are doing and when. Please, I urge you to pass this bill WITH disclosure statements intact. Please for the future of our keiki. Mahalo, Keri

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 7:24 AM
To: AGRtestimony
Cc: nloswa@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Nathaniel Oswald	Individual	Oppose	No

Comments: This bill does nothing to help regulate anything but instead targets specific business.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 5:40 PM
To: AGRtestimony
Cc: pollioliver@hotmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Polli Oliver	Individual	Support	No

Comments: I strongly support this bill and I believe that it is over due that we have some protection in the form of buffer zones as outlined in this bill. Please see that this Bill passes for the protection of all. Mahalo nui loa!

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

Do not reply to this email. This inbox is not monitored. For assistance please email webmaster@capitol.hawaii.gov

From: Sara O'Donnell <psod@hawaiiantel.net>
Sent: Wednesday, February 18, 2015 12:50 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Sara O'Donnell

Hawaii, HI 96734

From: Elizabeth Reeves <planetarystorm@hotmail.com>
Sent: Tuesday, February 17, 2015 9:36 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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Elizabeth Reeves

Kapaa, HI 96746

From: Elena Panigada <mauielena@gmail.com>
Sent: Tuesday, February 17, 2015 9:32 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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Thank you for the opportunity to provide testimony.

Elena Panigada

Haiku, HI 96708

From: Cynthia Odell <staleycynth@hotmail.com>
Sent: Tuesday, February 17, 2015 3:03 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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Thank you for the opportunity to provide testimony.

Cynthia Odell

Waikoloa, HI 96738

From: Tanja Miller <alohalways@gmail.com>
Sent: Tuesday, February 17, 2015 9:17 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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Thank you for the opportunity to provide testimony.

Tanja Miller

Makawao, HI 96768

From: Dr. Ye Nguyen <dryenguyen@gmail.com>
Sent: Wednesday, February 18, 2015 4:05 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Dr. Ye Nguyen

Haleiwa, HI 96712

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 9:03 PM
To: AGRtestimony
Cc: pamysaunders@live.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
pam saunders	Individual	Comments Only	No

Comments: Please think of all our island's children's health.

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onishi3 - Timothy

From: kelly ann souza <kattadn21@gmail.com>
Sent: Tuesday, February 17, 2015 8:45 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

kelly ann souza

wahiawa, HI

onishi3 - Timothy

From: Alika Napier <alikanapier@hawaiiantel.net>
Sent: Tuesday, February 17, 2015 8:45 PM
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Mahalo

Alika Napier

Mililani, HI

From: Don Najita <kamaaina@pilipono.com>
Sent: Tuesday, February 17, 2015 11:47 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Don Najita

Honolulu, HI 96828

onishi3 - Timothy

From: Paul Solomon <skysonghealing@yahoo.com>
Sent: Tuesday, February 17, 2015 7:24 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Paul Solomon

Haiku, HI, HI 96708

Aloha Chair, Vice Chair and Committee members,

My name is Lori Nakamura-Higa (individual citizen) and **I support HB1514 HD1: Environmental Protection; Disclosure; Buffer Zones; Penalties**

Presently there's a law suit filed against big poison chemical company Pioneer, subsidiary of DuPont Co. by Kauai residents that are denied full disclosure as to the chemicals Pioneer is using on their GMO experimental crops while dust-laden chemicals fill the air and make their way onto neighboring communities' "...homes, our cars, our streets and buildings, and most alarmingly, our children, who are forced to breathe dust-laden air as part of living."

www.staradvateriser.com/news/20111216_Dust_from_GMO_crops_spurs_residents_suit.html?id=135721343).

www.organicauthority.com/foodie-buzz/hawaii-battles-gmo-industry-takeover.html

Citizen of Hawaii should have transparency and disclosure with regards to the chemical pollutions that are infiltrating their communities, affecting their quality of life and their quality of health especially of the young as these kinds of monoculture, biotech, GMO farming is notorious for causing detrimental effects to the environment, and those residing in neighboring communities in other parts of the world.

These polluting dust storms are a common occurrences on our other islands as well, in Kunia, Oahu and over in Molokai. Photos (3) taken on Molokai of GMO chemical dust storms originating from Monsanto GMO experimental testing farm fields.



If we don't know what they're using, how do we know how to track it, especially when an increase in allergies and other health conditions parallel the introduction of GMO farming and their dust storms?

GMO chemical companies like DuPont's Pioneer will go at any length to "bribe," manipulate and influence their agenda in the neighboring community, and they'll do it to the very young: www.care2.com/news/member/663679641/3498751

"Through a grant with DuPont Pioneer, every student who opened a savings account received \$25 in seed money," explained Lori Carl, a third-grade teacher at the school, to The Garden Island. "Each month throughout the year, Kaumakani Federal Credit Union will come into their classrooms and because of DuPont Pioneer's generosity, students will be able to add to their deposits."

*Corporate generosity, a tax-deductible brainwashing ploy
This is all good and well, except for the fact that part of the program involves making students painfully aware of who is funding the whole thing -- Pioneer Hi-Bred. The students are being told they will one day be able to attend college because of the "generosity" of Pioneer Hi-Bred, for instance, even though the company very likely receives its own "generous" tax deductions for contributing to the program. And in the process, Pioneer Hi-Bred also gains the convenient opportunity to soften the minds of the next generation towards its GMO technologies.*

Our communities are not alone in facing paralleled health issues; just take a look at Argentina. **Argentina's Roundup Human Tragedy:** "In 2002, two years after the first big harvests of RR [Roundup Ready] soy in the country, residents and doctors in soy producing areas began reporting serious health effects from glyphosate spraying, including high rates of birth defects as well as infertility, stillbirths, miscarriages, and cancers. Environmental effects include killed food crops and livestock and streams strewn with dead fish." Read link for more of this article: www.i-sis.org.up/argentinasRoundupHumanTragedy.php

What do the doctors have to say about these health issues? Read the **Report from the 1st NATIONAL MEETING OF PHYSICIANS IN THE CROP-SPRAYED TOWNS:** <http://www.reduas.fcm.unc.edu.ar/wp-content/uploads/downloads/2011/10/INGLES-Report-from-the-1st-National-Meeting-Of-Physicians-In-The-Crop-Sprayed-Towns.pdf>
Photo link for article above: <http://www.amcmh.org/PagAMC/downloads/ads85.htm>



Study Establishes Glyphosate Link to Birth Defects: “What is becoming clear is that glyphosate can poison crops, soils, wild life, livestock, human beings and the entire ecosystem in multiple systemic ways, and a global ban is long overdue.”

<http://www.i-sis.org.uk/glyphosateCausesBirthDefects.php>

<http://www.laгранepoca.com/32316-mas-9000-personas-ano-padecen-cancer-cordoba>

Title translation to the above link: “**More than 9,000 people a year suffer from cancer in Córdoba**” “*In Argentina province, increase tumor incidence in recent years, mainly in areas of villages sprayed with pesticides*”

*In an interview with [FM Mas](#) 30 May, **Dr. Medardo Ávila Vázquez**, of the University Network for Environment and Health, said that among the main causes of cancer cases fumigation is located in villages surrounded by GM soy.*

"We are seeing an increased incidence of lung of the peoples of people who do not smoke or who never smoked and that worries us cancer, we see significant residues of pesticides which have even detected the presence of glyphosate in the rain" expressed concern professional.

"There sprayed villages where a neighbor dies of cancer every three," citing the example of the Córdoba town of Hernando, where is found the pesticide-laden air.

*"The tobacco companies denied the link between smoking and cancer, took decades to recognize the truth. **The biotech and agrochemical***

corporations are the same as tobacco, lie and favor business over the health of the population, "reported the doctor [Page 12](#) .

Associated Press also covered Argentina's plight contending with GMO, monoculture farming: <http://bigstory.ap.org/article/argentinians-link-health-problems-agrochemicals>



In this March 29, 2013, photo, former farmworker Fabian Tomasi, 47, shows the condition of his emaciated body as he stands inside his home in Basavilbaso, in Entre Rios province, Argentina. Tomasi's job was to keep the crop dusters flying by quickly filling their tanks but he says he was never trained to handle pesticides. Now he is near death from polyneuropathy.



In this April 1, 2013 photo, Aixa Cano, 5, who has hairy moles all over her body that doctors can't explain, sits on a stoop outside her home in Avia Teraj, in Chaco province, Argentina. Although it's nearly impossible to prove, doctors say Aixa's birth defect may be linked to agrochemicals. In Chaco, children are four times more likely to be born with devastating birth defects since biotechnology dramatically expanded farming in Argentina. Chemicals routinely contaminate homes, classrooms and drinking water. (AP)



In this March 31, 2013, photo, Camila Veron, 2, born with multiple organ problems and severely disabled, stands outside her home in Avia Teraj, in Chaco province, Argentina. Doctors told Camila's mother, Silvia Achaval that agrochemicals may be to blame. It's nearly impossible to prove that exposure to a specific chemical caused an individual's cancer or birth defect, but doctors say these cases



In this Sept. 26, 2013, photo, Sofia Gatica participates in a protest to block trucks from entering the site where Monsanto Company is building its largest Latin American seed production plant, in the town of Malvinas Argentinas, in Cordoba province, Argentina. The country's entire soy crop and nearly all its corn and cotton have become genetically modified in the 17 years since the St. Louis-based

CBS also covered Argentina's story: <http://www.cbsnews.com/pictures/agrochemicals-health-crisis-in-argentina/>

HB1514 HD1, *Establishes disclosures requirements for outdoor application of pesticides in proximity to schools, childcare facilities, and certain commercial agricultural entities. Also, [e]stablishes reasonable pesticide buffer zones for sensitive areas. Plus, [e]stablishes penalties, is a conservative start given what we've already are privy to.*

Please let us as citizens and residences of Hawaii not become just another collateral damage statistic here after the harm have been done without documentation when you have the ultimate say to act on our behalf to safe guard especially our children. It's a travesty that GMO farming has already been granted these kinds of practices and had no careful oversight from its beginnings. Let's learn from the history of its existence in Argentina over the past now 19 years. **Please help and vote in support of HB1514 HD1**, on the behalf the citizens, especially the children in your communities that you represent. Thank you very much for your time.

Mahalo and kind regards,
Lori Nakamura-Higa

onishi3 - Timothy

From: Nadia Ranne <nschomer@msn.com>
Sent: Tuesday, February 17, 2015 5:04 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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Thank you for the opportunity to provide testimony.

Nadia Ranne

Pahoa, HI 96778

From: Carol murry <murry@hawaii.edu>
Sent: Tuesday, February 17, 2015 2:05 PM
To: AGRtestimony
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Carol murry

Honolulu, HI 96826

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 12:49 AM
To: AGRtestimony
Cc: kmurray.testimony@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Karen Murray	Individual	Support	No

Comments: On behalf of all the working people, who cannot attend this meeting and who I have spoken with and who agree that this bill needs our support, and many of whom have said "It's about time!"... PLEASE SUPPORT THIS BILL. At a time when we worry about our growing population, we will need as much clean resources as we can preserve for insuring and nurturing the health of our communities. To this end, we need to be able to monitor at least the largest users of Restricted Use Pesticides, upon whom we also need to impress upon the importance of community safety through the use of buffer zones.

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onishi3 - Timothy

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Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Kevin Mulkern	Individual	Oppose	No

Comments: STRONGLY OPPOSE.....24 HOUR NOTICE IS IMPOSSIBLE TO SCHEDULE TESTIFYING!

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 4:24 PM
To: AGRtestimony
Cc: shyla.moon@ymail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Shyla Moon	Individual	Oppose	No

Comments: The proper research needs to be done in order for such an important bill to be considered. The disturbance of this bill if passed would be horrendous. Strongly oppose.

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 2:40 PM
To: AGRtestimony
Cc: chad.mondoy@monsanto.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Chad Mondoy	Individual	Oppose	No

Comments: I oppose this bill.

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From: Tracy Mills <tracy.emills@gmail.com>
Sent: Tuesday, February 17, 2015 5:56 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Tracy Mills

Haiku, HI 96708

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 3:34 PM
To: AGRtestimony
Cc: antya@gonorthshore.org
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Antya Miller	Individual	Oppose	No

Comments:

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E. Yadao
POB 861
Lihue, HI, 96766

February 17, 2015

HB1514

RELATING TO ENVIRONMENTAL PROTECTION.

Environmental Protection; Pesticides; Disclosure; Buffer Zones; Penalties

Establishes disclosure requirements for outdoor applications of pesticides in proximity to schools, childcare facilities, and certain commercial agricultural entities. Establishes reasonable pesticide buffer zones for sensitive areas. Establishes penalties. (HB1514 HD1)

Aloha Legislators,

I **SUPPORT** this measure. It follows a common sense precautionary principle. There should be no spraying, period, especially around populations, streams, schools. This measure demands the right to know all aspects of the spraying and buffer zones; but frankly, I am convinced it is so toxic that prohibition on RU Pesticides is the best way to proceed.

Buffer zones and right to know are pitifully small requests that in all good conscience you should oblige.

Since these corporations have been so ungrateful, arrogant and demanding, I can only imagine if there would still be a legislature in Hawaii if they gained full control; which is coming close to fruition. Pay close attention to the dragon you are playing with.

What I find difficult to comprehend is why there has been so much resistance, from lawmakers. There's an ugly reason I'm sure and I'm also

sure that someday, someone will leak an email or two and we'll have our answers.

The GMO/seed farmers/RU pesticide sprayers are utilizing extensive agricultural land in Hawaii nei. Why? Because this legislature has allowed them freedom to dictate. They exempt themselves from taxes, implant themselves in our government, pay almost nothing for leases, they contribute insignificantly to the economy (financially, food, employment) and you are having a hard time deciding if poisoning Hawaii's people is an option?

THIS BILL NEEDS TO PASS.

From: Carol Sappington <mckjsapp@aol.com>
Sent: Tuesday, February 17, 2015 7:04 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Carol Sappington

Kapolei, HI 96707

FEBRUARY 19, 2015
HEARING BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE
TESTIMONY ON HB 1514, HD 1
RELATING TO PESTICIDES
ROOM 312
8:30 AM

Aloha Chair Tsuji, Vice Chair Onishi, and Members of the Committee,

I **strongly oppose HB 1514, HD 1**, which requires mandatory disclosure and notification of outdoor pesticide use by specified schools, child care facilities, early childhood education and care facilities, family child care homes, group child care centers, group child care homes, and commercial agricultural entities.

This bill sets up a new, unfunded, and arbitrary State pesticide use system to replace decades of U.S. EPA and Hawaii Department of Agriculture expertise. Registering a pesticide is a science based process which encompasses a 5-10 year process of research and evaluation. Law dictates that the US EPA must first determine that no harm will result from legal use of a pesticide before registering that product. Once federally registered, the Hawaii Department of Agriculture conducts numerous reviews to ensure compliance with state law and Hawaii specific environmental concerns. Both the federal and State government dictate how each pesticide is used and what notification, worker protection, buffers, and recordkeeping are required.

HB 1514 will take farm land out of production, increase costs, and make it even more difficult to farm in Hawaii.

An alternative House bill, HB 504 presents an opportunity to increase funding and expand the authority of the Department of Agriculture Pesticide Branch. That bill will enhance the ability of the agency with expertise in this area to address pesticide concerns and ensure public safety while allowing agriculture to remain viable in Hawaii.

Please oppose HB 1514, HD 1.

Mahalo,

Randy Mochizuki

Naalehu, HI 96772

onishi3 - Timothy

From: Helena Miguel <hekumi808@hotmail.com>
Sent: Tuesday, February 17, 2015 4:18 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Helena Miguel

Kaunakakai, HI

From: Marilyn Mick <marilynmick@pobox.com>
Sent: Tuesday, February 17, 2015 4:57 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Marilyn Mick

Honolulu, HI 96830

FEBRUARY 19, 2015
HEARING BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE
TESTIMONY ON HB 1514, HD 1
RELATING TO PESTICIDES
ROOM 312
8:30 AM

Aloha Chair Tsuji, Vice Chair Onishi, and Members of the Committee,

I **strongly oppose HB 1514, HD 1**, which requires mandatory disclosure and notification of outdoor pesticide use by specified schools, child care facilities, early childhood education and care facilities, family child care homes, group child care centers, group child care homes, and commercial agricultural entities.

This bill sets up a new, unfunded, and arbitrary State pesticide use system to replace decades of U.S. EPA and Hawaii Department of Agriculture expertise. Registering a pesticide is a science based process which encompasses a 5-10 year process of research and evaluation. Law dictates that the US EPA must first determine that no harm will result from legal use of a pesticide before registering that product. Once federally registered, the Hawaii Department of Agriculture conducts numerous reviews to ensure compliance with state law and Hawaii specific environmental concerns. Both the federal and State government dictate how each pesticide is used and what notification, worker protection, buffers, and recordkeeping are required.

HB 1514 will take farm land out of production, increase costs, and make it even more difficult to farm in Hawaii.

An alternative House bill is also being heard this morning, HB 504. It presents an opportunity to increase funding and expand the authority of the Department of Agriculture Pesticide Branch. That bill will enhance the ability of the agency with expertise in this area to address pesticide concerns and ensure public safety while allowing agriculture to remain viable in Hawaii.

Please oppose HB 1514, HD 1.

Mahalo,

Tom Mendes

41-610 Nonokio St

Waimanalo, HI 96795

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 3:29 PM
To: AGRtestimony
Cc: megan.pittsley@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Megan Fox	Individual	Support	No

Comments: If the State wants the responsibility to protect citizens rather than the County, then they need to step up and do so. In California they have buffer zones as large as 4 miles just to protect bees and apiaries from RUPs. Certainly we can do this for our children. Please keep the buffers large to account for the heavy winds and drift that has been a major issue here on Kauai. I have personally gotten hit in the face with pesticide drift driving down the road here and it is reprehensible that this continues.

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John McHugh
95-1048 Kelakela St.
Mililani, HI 96789

HB 1514: Relating to Pesticides
House Committee on Agriculture
Thursday Feb 19th
Room 312 at 8:30 a.m.

Position: Opposed

Chair Tsuji, Vice Chair Onishi and Members of the Committee on Agriculture

My name is John McHugh I live in Mililani on Oahu and work for DuPont Pioneer. I have been part of Hawaii agriculture for 41 years.

As a person that has experience with the safe use of pesticides, I am opposed to this bill and I find it troubling on many levels.

On Oahu I think you will find that there are many farms that are operating, on friendly terms, with their neighbors. Information on various farm activities, including spraying, is already freely shared. What this bill will do, if passed, is apply artificial setbacks and buffer zones based on what? There is no science in the bill, only a suggestion of subjective setbacks. The same could be said for the 24 hour notification requirement. Why 24 hours? Is this based on science that 24 hours is adequate time for the neighbors to prepare for every pesticide that will be sprayed? Will residents next to schools be required to give those schools 24 hours advance notice before they plan to use malathion and other pesticides in their yards and create a mess when they do? On Oahu this has been the bulk of pesticide related school episodes, not farms as suggested by this bill.

And what island is better suited to attest to the relationship that farms have with their urban neighbors than Oahu? As the Agronomy manager for DuPont Pioneer in Kunia we have set up call-in numbers to our site manager whenever there is any issue with our operation there which is directly across the street from houses. In truth the main issue we have is with dust blowing into the homes when Kona winds dominate. Because of that we have internal rules about when to do field operations, whether that is field preparation or pesticide spraying, and those rules are to keep us from, in any way, being a burden on our neighbors. This is despite the fact that agriculture was there before urban and suburban!

I also do consulting work for a watercress farm at Pearlridge on Oahu. This farm is smack dab in the middle of the city. Yet discussions and conversations with the

neighbors have mitigate any possibility of farm practices that could impact the neighbors. In fact the neighbors are grateful for the presence of the farm because it breaks up the mess of fast food restaurants, used car lots, strip malls, and service stations that dominate the scenery in that part of the island.

Finally, I would like to ask, how can we afford the requirements placed in this bill? Once a law is passed it requires regulation. How are we going to pay for it? I think that the farmers are already doing a great job of working with their neighbors and it doesn't cost the State of Hawaii a dime! That said, why would we want to burden the taxpayers with this kind of egregious regulations? The US Environmental Protection Agency has already addressed the environmental fate and toxicological impacts of every single pesticide that is registered. Every one of those pesticides has required more than 70,000 pages of raw data, done by 3rd party labs under Good Laboratory Practices certification requirements, that is submitted to EPA for review. During the review process there are numerous opportunities for the public to provide input. By the time the pesticide has run the gauntlet of regulatory hurdles it has been determined that if a pesticide is used in a manner that is consistent with the label that the risk associated with the product is very minimal. Do we, as a State, want to also review the 70,000+ pages of data? Or, should we require additional studies? Are we prepared to spend the money to do that, because that is the only way that a determination can be made regarding the risk of a product? Without doing that we are simply relying on rumor and hearsay and if we cave in and pass a bill based on that then it will only be the beginning of more legislation that will, eventually, put agriculture out of business in this State.

onishi3 - Timothy

From: Marion McHenry <bob-marion@hawaiiantel.net>
Sent: Tuesday, February 17, 2015 4:45 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Marion McHenry

Princeville, HI 96722

From: Jackie Rodgers <jackie.steve@yahoo.com>
Sent: Tuesday, February 17, 2015 6:11 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

This is something that should have been enforced when Rachel Carson ignited the Environmental Movement that awakened us to the fact that our wondrous new technologies "Pesticides" came with some destructive side effects. Silent Spring was published on September 27, 1962, that's over 50 years ago.

Shame on us for not protecting our children long ago. Preserving and protecting our environment gives our children the surroundings that allow them to be safe. Environmental Stewardship has to be on the top of our governments list of priorities.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Jackie Rodgers

Kihei, HI 96753

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 6:10 PM
To: AGRtestimony
Cc: sasha_98@ymail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Sasha Ota	Individual	Oppose	No

Comments: This bill would be an embarrassment if introduced in any other state. Its stated purpose is to protect the State's environment and residents from the unintended impacts of large-scale pesticide use by establishing: disclosure requirements; and pesticide buffer zones for sensitive areas. Any other state would determine first, if there ARE any impacts from this type of pesticide use and second, how to ensure that any negative impacts are eliminated. Instead, this bill perpetuates the fantasy that large-scale agriculture is poisoning the public and the environment and the only thing to do is warn people and set up arbitrary DMZs. This is ridiculous on many levels. If, contrary to EPA's determinations, legal pesticide use is so dangerous, warning signs and notifications are useless. (1) The pesticides used by large ag are a small percentage of those used by government, other businesses, and homeowners. The only reason to target these users is to make it difficult for successful farmers, particularly the biotech farmers, to stay in Hawaii. It is no secret that mainland activist groups have relocated here, infiltrated, and set up a "grass roots" network of screaming, crying, aloha-less bullies in order to get rid of "GMOs" and set a precedent for the rest of the country. (2) All farmers may need to use certain types of pesticides at some time in the future depending on what new and destructive pest comes into Hawaii --- so the attempt to exclude small farmers is specious. (3) Wouldn't it make more sense to look at health data and do actual exposure monitoring before penalizing an entire sector based on NOTHING? Coincidentally, the Kauai Joint Fact Finding Task Force will be reviewing local pesticide health and other data AND science to make recommendations within a year. Shouldn't we at least wait until we get some facts? (4) If we are really so concerned about pesticide misuse, surely someone has noticed that we already have incredibly strict federal and State pesticide laws and regulations and an entire branch of HDOA that is tasked with addressing these concerns. If we need more control over pesticide use, better or faster enforcement, and more training or better techniques for pesticide users, wouldn't it make sense to increase HDOA's funding and resources? After all, who has the expertise in this area? (5) If we are really concerned about the alleged terrible health impacts from pesticide use (only by big ag, of course), wouldn't it make sense to ask the DOH health experts about what they're seeing in these areas? And ask the natural resource experts at DLNR and USGS and UH about any links to environmental damage from these pesticides? This bill is not an attempt to identify a problem and solve it. PLEASE hold this bill, go back to the drawing board to determine what the problem is (if there is one), and then have our expert State agencies develop a strategy to address the problem. Thank you.

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 6:07 PM
To: AGRtestimony
Cc: neswmusic@yahoo.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Rick Morse	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 11:30 PM
To: AGRtestimony
Cc: bmcd50@aol.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Beth McDermott	Individual	Support	No

Comments: I strongly support the passage of HB 1514. Let's be clear that this bill would in no way impact Hawaii's local food production or hurt small food farmers in our state as some testifying have asserted. This bill focuses primarily on the large agrochemical companies that are not growing food in Hawai'i for local consumption but using our ag lands to experiment with new mixes of restricted use pesticides on their seed crops as existing chemical mixes have lost their effectiveness in combating weeds and pests. The key point here is that they are using our aina to test the efficacy of often NOVEL chemical mixes for which no long term health and safety studies have been conducted, or often reintroducing more powerful doses of older chemical mixes we do have research showing are harmful. Such testing inherently involves risk. It is unfair to ask that those in our community potentially most vulnerable be asked to assume that risk but instead be protected by reasonable buffer zones while we assess the possible public health impacts. This is hardly an inordinate burden on any prudent operator. These companies have publicly stated many times their desire to work collaboratively within our communities and be seen as responsible corporate actors. This bill offers a fine opportunity for them to demonstrate that commitment, getting the ball rolling on rebuilding the trust so many have lamented is now broken. Please support HB 1514 and keep that opportunity alive.

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From: mary mcclung <observingmaui@gmail.com>
Sent: Wednesday, February 18, 2015 6:53 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

mary mcclung

hana, HI 96713

From: Marilyn McAteer <alohaoceanus@yahoo.com>
Sent: Tuesday, February 17, 2015 6:54 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Marilyn McAteer

Lahaina, HI 96761

HB1514 Buffer Zones / Disclosure

I am a resident of Maui and a teacher. I work in Kihei near the Monsanto fields and I feel very strongly for the children and teachers, residents and businesses WE NEED TO KNOW WHAT IS BEING SPRAYED!! Children and teachers are often very sick there with coughs and difficulty with breathing. The state needs to join the majority of US states that have laws to protect people from agriculture practices that impact the community providing buffer zones that are enforceable and disclosure of what is being used. It is the basic right for residents: to be protected from companies using very toxic chemicals. Please take a stand to protect our health. We need you to show us that you are willing to regulate these companies they do not regulate you!!! Support this BILL.

Respectfully submitted

Sierra Knight

From: erin matsuyama <e.yenney@gmail.com>
Sent: Tuesday, February 17, 2015 9:00 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

erin matsuyama

Kailua Kona, HI 96740

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 7:13 PM
To: AGRtestimony
Cc: j_matayoshi@hotmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Jason Matayoshi	Individual	Oppose	No

Comments: I Jason Matayoshi oppose bill hb1514 Mahalo

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From: Bonnie Marsh <naturadoc@gmail.com>
Sent: Tuesday, February 17, 2015 2:50 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Bonnie Marsh

Haiku, HI 96708

onishi3 - Timothy

From: Ella Manuel <ellamanuel808@gmail.com>
Sent: Tuesday, February 17, 2015 8:49 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Ella Manuel

Keaau, HI

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 7:55 AM
To: AGRtestimony
Cc: alex.s.mangayayam@monsanto.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
alex s mangayayam	Individual	Oppose	No

Comments:

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From: Rexann Dubiel <dubielsdesign@hotmail.com>
Sent: Wednesday, February 18, 2015 6:50 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Rexann Dubiel

Haleiwa, HI 96712

From: Allison Jacobson <adnojacobson@gmail.com>
Sent: Tuesday, February 17, 2015 5:26 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Allison Jacobson

Anahola, HI 96703

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 8:18 PM
To: AGRtestimony
Cc: tai1983@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Tai Erum	Individual	Oppose	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 6:41 AM
To: AGRtestimony
Cc: nielsen.k.horner@monsanto.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
NIELSEN HORNER	Individual	Oppose	No

Comments: I STRONGLY OPPOSE THIS BILL

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 11:43 PM
To: AGRtestimony
Cc: billgail@retiredinparadise.net
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Gail Jackson	Individual	Support	No

Comments: Aloha to the Agriculture Committee, Please pass HB1514. This is extremely important for our families, they need to be protected from the drift from pesticide applications. Please peruse these websites: www.ourstolenfuture.org/ www.panna.org/your-health/reproductive-health www.panna.org/science/drift/science-policy From the Guardians for the Seventh Generation: "We have the sacred right and obligation to protect the common wealth of our lands and the common health of our people and all our relations for this generation and seven generations to come." Mahalo for all your hard work, Gail Jackson

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 8:01 AM
To: AGRtestimony
Cc: maggie.kramp@hi.nacdnet.net
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Maggie Kramp	Individual	Oppose	No

Comments: The group that is touting this bill had expressed that they want to help bring more local food to Hawaii. Their true motive is not genuine and this bill clearly shows it. If we are to increase our local food supply and food security, we can't continue these attacks against agriculture in Hawaii that have no basis in evidence or facts. Much of the crop protection products have been used for decades in many farms and long time farmers know that it is much safer now than it was before. If there really was harm detected, people who live in the most concentrated areas of farms should have experienced such problems early on. There are no such problems detected that support the claims being made against our farms here. I urge you to consider using evidence and data to support fair and just law making, not the loud demands of fear mongered activists.

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To: Rep. Clift Tsuji, Chair Committee on Agriculture
Rep. Richard H.K. Onishi, Vice Chair

Rep. Tom Brower	Rep. Takashi Ohno
Rep. Romy M. Cachola	Rep. James Kunane Tokioka
Rep. Isaac W. Choy	Rep. Justin H. Woodson
Rep. Ken Ito	Rep. Lauren Kealohilani Matsumoto
Rep. Derek S.K. Kawakami	Rep. Gene Ward
Rep. Sam Satoru Kong	

Subject: Strongly in SUPPORT of HB 1514, HD1 – Relating to Environmental Protection

Dear Representatives,

With this letter, I am expressing my strong SUPPORT of HB1514, HD1. There is too much scientific data around the world showing the negative, generational hazards harmful chemicals and pesticides have around pregnant women and young children. Smart planning and agriculture is necessary for us to continue to produce an adequate food supply, but this must not be done at the expense of our future generations. The impact to our health care system and our economy will feel the pain if we do not draw a line on exposure to these chemicals.

Respectfully submitted,

Vincent Kimura

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 8:34 PM
To: AGRtestimony
Cc: aprilhawaii@hawaii.rr.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
A Kathleen Lee	Individual	Support	No

Comments: Aloha Honorable Co-Chairs of the Ag Committee of the Great State of Hawai'i, Representative Onishi and Representative Tsuji, We need these pesticide buffer zones! Pay attention to the physical evidence. It does not tell a lie, but attorneys for large chemical companies are educated in how to lie in a way that is like the double-speak that confuses and threatens with the power of dirty money. Money that was gained by disregarding the health and welfare of millions for decades. Many research studies have investigated the between link pesticides to children's health issues, including autism, attention deficit disorder and brain function and brain development. Here is a list of the some of the many studies on those focused issues, released as part of the survey study A Generation in Jeopardy: How Pesticides Are Undermining Our Children's Health and Intelligence.

- Selevan, S.G., C.A. Kimmel and P. Mendola. "Identifying critical windows of exposure for children's health." Environ Health Perspect. June 2000 108(Suppl 3): 451-455. See <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1637810/>.
- Rauh, V. A., F. P. Perera, M. K. Horton, R. M. Whyatt, R. Bansal, X. Hao, et al. "Brain Anomalies in Children Exposed Prenatally to a Common Organophosphate Pesticide." Proceedings of the National Academy of Sciences. May 2012 109 (20): 7871-6. See <http://www.pnas.org/cgi/doi/10.1073/pnas.1203396109>.
- Landrigan P.J., L. Lambertini and L.S. Birnbaum. "A Research Strategy to Discover the Environmental Causes of Autism and Neurodevelopmental Disabilities." Environ Health Perspect. April 2012 120: a258-a260. <http://dx.doi.org/10.1289/ehp.1104285>.
- Grandjean and Landrigan. "Developmental Neurotoxicity of Industrial Chemicals," The Lancet. Nov. 2006, Vol. 368. See <http://www.hsph.harvard.edu/news/press-releases/2006-releases/press11072006.html>.
- Schettler, T., J. Stein, F. Reich and M. Valenti. In Harm's Way: Toxic threats to child development. A report by Greater Boston Physicians for Social Responsibility. 2000. See <http://www.sehn.org/ecomedpublications.html>.
- Szpir M. "Tracing the Origins of Autism: A Spectrum of New Studies." Environ Health Perspect. July 2006 114: A412-A418. See <http://dx.doi.org/10.1289/ehp.114-a412>.
- Landrigan P.J., L. Lambertini L, L.S. Birnbaum. "A Research Strategy to Discover the Environmental Causes of Autism and Neurodevelopmental Disabilities." Environ Health Persp. April 2012 120: a258-a260. <http://dx.doi.org/10.1289/ehp.1104285>.
- Eskenazi B., K. Huen, A. Marks, K.G.Harley, A. Bradman, D.B. Barr, et al. "PON1 and Neurodevelopment in Children from the CHAMACOS Study Exposed to Organophosphate Pesticides in Utero." Environ Health Perspect. Aug 2010 118: 1775-1781. See <http://dx.doi.org/10.1289/ehp.1002234>.
- Holland, N., C. Furlong, M. Bastaki, R. Ricther, A. Bradman, K. Huen, et al. "Paraoxonase Polymorphisms, Haplotypes, and Enzyme Activity in Latino Mothers and Newborns." Environ Health Perspect. July 2006 114 (7): 985-991. See <http://www>.

ncbi.nlm.nih.gov/pmc/articles/PMC1513322/. •Insel, T. The New Genetics of Autism: Why Environment Matters. National Institute of Mental Health. April 2012. See <http://www.nimh.nih.gov/about/director/2012/the-new-genetics-of-autism-why-environment-matters.shtml>. •National Research Council 2000. Scientific Frontiers in Developmental Toxicology and Risk Assessment. Washington, DC: National Academy Press: pg 21. See http://www.nap.edu/catalog.php?record_id=9871. •Ontario College of Family Physicians. Systematic Review of Pesticide Health Effects. 2012. See <http://www.ocfp.on.ca/docs/pesticides-paper/2012-systematic-review-of-pesticide.pdf?sfvrsn=6>. •Developmental Pyrethroid Exposure and ADHD, grant proposal from Rutgers University. <http://www.labome.org/grant/r21/es/developmental/pyrethroid/developmental-pyrethroid-exposure-and-adhd-7278327.html>, 18 Bouchard M., et al. "Attention-deficit/hyperactivity disorder and urinary metabolites of organophosphate pesticides," Pediatrics. 2010 125 (6): 1270-1277. DOI: 10.1542/peds.2009-3058. Even if you do not have a child, you have loved one who do. Can you not relate to them; your own children who have your grandchildren. Visualize the impaired health of these...it will wrench your heart and link your brain to identify with those you serve...The least of these is the focus of the Master in us all. To serve them is our greatest call to Goodness, Nobility and Virtue, April Lee

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 3:29 PM
To: AGRtestimony
Cc: ckaleohano@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Casey Duvauchelle-Kapuni	Individual	Oppose	No

Comments:

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 8:21 AM
To: AGRtestimony
Cc: mauifaith@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Faith Ewbank	Individual	Support	No

Comments:

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onishi3 - Timothy

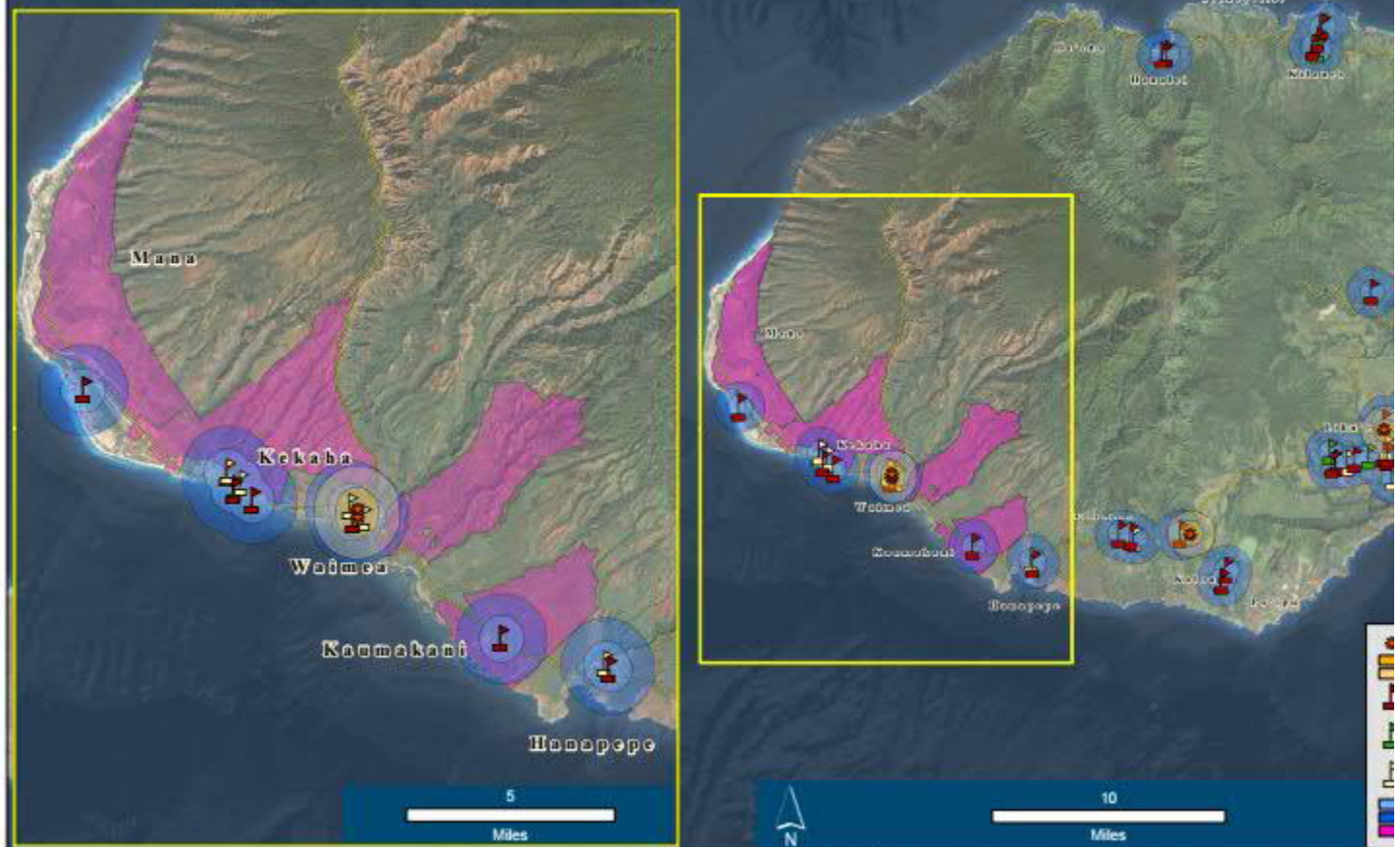
From: Katie Horgan <katiehorgan@me.com>
Sent: Tuesday, February 17, 2015 8:38 PM
To: AGRtestimony
Subject: HB1514 Support





Kaua'i

Proximity of schools to known Restricted-Use Pesticide



Dear Chair Cliff Tsuji and Agriculture Committee Members,

My name is Kathleen Horgan and I am testifying in full support of HB1514.

Establishing disclosure requirements and buffer zones, with real penalties, for outdoor application of pesticides in proximity to schools, childcare facilities are only common sense for our health and our future. I would hope that we could also include protection for homes.

Waimea Canyon Middle school has had several incidents in recent years, where evacuation of the school was required due to pesticide poisoning, and other schools have also had evacuation incidents. Doctors and nurses had no idea what the teachers and children had been exposed to and follow up testing was not performed until years after exposure and woefully inadequate to determine the acute effect of the drift. Still yet, they found restricted use pesticides used by the chemical companies on the school campus where the children learn, eat and play. At least 26 schools in Hawai'i are located within a mile of large agricultural companies that spray restricted-use pesticides. Hospitals are also in sensitive areas on Kaua'i in Waimea and in Lihue. There are bills proposed this session to limit the counties' jurisdiction with regard to agriculture regulation. This adds even more urgency for the State to act in the best interest of residents of all islands.

My son's preschool at PMRF CDC is within a half mile of the Mana fields leased by ADC (see attached). He suffers from asthma that began after he started school there (while we still lived in Kapaa). It would be difficult to determine the cause of the asthma with any certainty; however it is certain that he and others like him will be especially sensitive and susceptible to pesticide exposure from nearby sources. Children in general and those with compromised immune systems are naturally more sensitive to chemical exposure. Since then we have moved closer to my job out of necessity due to a lack of affordable housing elsewhere. I live in Kekaha mauka of Kekaha Road within about 500 feet of where the ADC leases to these chemical companies.

(see link here: https://maps.google.com/maps?q=Palila+Loop,+Kekaha,+HI&client=safari&ie=UTF-8&ei=UgHdVJzsEoHWoATz1ICwCA&ved=0CAkQ_AU&output=classic&dg=brw)

I cannot find out what chemical will be sprayed, where or when, either in advance or after the fact. The "Good Neighbor" voluntary program the Department of Agriculture started does not provide this kind of information. It does not provide information about general use pesticides that likely make up over 50% of what is used by the chemical companies, and often neglected when pesticide concentrations and combinations are discussed. It does not provide protection for those that are truly their neighbors.

What we do know is that these corporations are using much larger quantities of pesticides than conventional farmers. Here are a few graphics from the voluntary "Good Neighbor" Reporting system implemented by the State Dept. of Agriculture (attached). As former president HCIA, Mark Philipson stated that the industry uses about 28% of their leased land to cultivate crops per year. On Kauai that is 3500 acres of 12,500 leased. The total active ingredient used (computed by looking up each chemical and the active ingredient per lb or gallon of how it is purchased) is 9423 lb for the first 12 months of "Good Neighbor" reporting. $9423/3500 = 2.7$ lb/acre, which at first glance maybe doesn't seem that unusually high, but this is only half of the story. In order to compare this to a conventional farmer we would need to know all the general use pesticides that were used, typically at least equal to the restricted use, doubling that to 5.4 lb/acre. Then we would need to consider that this is an average and that it could be much higher for some fields and lower for others. If you live next to the one getting sprayed more intensely you would certainly be at higher risk. Since we have no idea what is happening and where we cannot assume that any of it is safe to be in close proximity. Furthermore, some corporations are using much more of the pesticide load. Syngenta uses over 50% of the total, 4795 lb on only 28% of their 3000 acres, resulting in 6 lb/acre of Restricted use alone – what if it is really 12 lb/acre when we include general use pesticides?

The chemical industry will tell you their product is safe and have been tested extensively. While an individual pesticide may have been tested, they have not tested these pesticides in combinations. They have not and cannot be tested on our children, however many of the labels say they should not be used near schools and children, and sensitive areas. (I read all of the 16 restricted use pesticides and 37 general use pesticides used by Pioneer through Jan 2013). There are fields that get sprayed 25 times with over 12 different chemicals, often a mix of general and restricted use (this analysis excludes organics, surfactants, fertilizers etc.).

If the chemical industry was concerned about more than the corporate bottom line they would not fight this modest measure to protect our health. They would not turn this into an attack on agriculture, which is insulting to everyone's intelligence and better judgment. They may be "already regulated" but they are not adequately regulated, particularly with regard to buffer zones and disclosure addressed here.

I ask you to look deep within today and do what is best for our Ohana, our future, and pass HB1514 without delay.

Respectfully,

Kathleen Horgan and Jack Horgan-Ajimine (my son)

Kekaha, HI

onishi3 - Timothy

From: Lelaine Lau <lelaine.lau@gmail.com>
Sent: Wednesday, February 18, 2015 7:55 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

To the Hawai'i State Legislature:

It is appalling that these chemical companies are running roughshod over Hawai'i. There is no more aloha to show this behemoth which acts so disrespectfully, and will fight so hard for the right to ruin our paradise.

18 TONS(?!) OF PESTICIDES ON KAUAI PER YEAR ALONE?!
Where do you think that is all going?

YOU have the power.
YOU MUST DO THE PONO THING.
This is a no-brainer.

Protecting the land and people of Hawai'i is your kuleana, not enriching the multinationals poisoning them.

I don't hold out much hope, there seems to be so much corruption, for why else would our "leaders" lead us so far astray?

For once, let this not be about the money, and have it be about doing right by the people.

Remember the Great Law the Iroquois Nation: "In every deliberation, we must consider the impact on the seventh generation... even if it requires having skin as thick as the bark of a pine."

Sincerely,

Lelaine Lau

Lelaine Lau

Honolulu, HI 96826

From: Kristina Gorresen <Kgorresen@yahoo.com>
Sent: Tuesday, February 17, 2015 6:28 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Kristina Gorresen

Pahoa, HI 96778

onishi3 - Timothy

From: Joan Lasua <joanlasua@gmail.com>
Sent: Wednesday, February 18, 2015 6:54 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Joan Lasua

Kaunakakai, HI

February 16, 2015

To: Agricultural Committee Chair and Vice Chair and Committee members
Re: HB1514 Related to Pesticides

My name is Joni Kamiya, aka The Hawaii Farmer's Daughter or the GMO Papaya Princess to the activists. I am the daughter of Kenneth Kamiya, a second generation farmer. I am writing to you in regards to the slew of anti-farming bills being proposed including this one.

In Hawaii, there is a lot of talk about food security and food sustainability. If those are truly the vision for our state, then we must consider how all of the actions we take will impact that. Our actions must also have justification in the form of evidence to support it to guide good decision making.

This proposed law actually thwarts those goals. Actually making more laws makes it harder to farm and decreases the incentive to farm. How does that help grow more food when no one wants to farm?

My dad has farmed his entire life. I have never heard him say he wants to quit until recently. At age 73, he still works over 40 hours a week because he wants to. With all of these laws intent on hitting seed farms, his farm is caught up in the middle despite what the activists state. If he's defending his work, he's not farming. That's less food for Hawaii.

A few days ago, he said that he would not be surprised if my brother decides to quit the farm. As this bill stands, with his plans for expansion, he will likely become subject to the arbitrarily based buffer zones. He will lose a significant portion of his fields and his operating costs will go up. Who wants to farm knowing that every year a new law may break your operations? Can Hawaii afford to lose a well established farm that has provided locally grown food for nearly 4 decades? We can't.

I understand there are studies outlining the potential need for this legislation. Has the state even collected data to show that there indeed is justification for this bill? Or are we jumping to conclusions? The potential chemicals that are suspected in these studies were listed as pyrethroids, organophosphates, and carbamates. All of these can be purchased by the homeowner and other users from landscapers to pest control companies also! There are even organic versions of pyrethroids that organic farmers use. The RUPs that this bill targets is also used by termite treatment companies and they are exempted. If we are to protect people, we should apply this across the board and not cherry pick users. This bill will never fulfill its intent.

There will be a loud and emotional outcry and a host of accusations made by the activists against you should your committee kill this bill. It's expected when you have people from the Center for Food Safety taking advantage of people who don't

understand farming or how laws are made. They have a heavy hand in fear with using images of children and words like poison and toxicity. Its understandable that they are afraid and at your doors. These groups have no qualms with taking advantage of people in this manner. There is zero evidence of the CFS attempting to educate people. It's all about fear and coaching them to repeat their catchphrases until you believe it. Instead of actually running tests to protect people and justify this law, they spend close to \$100k or more to pay for a speaker from India to come. They could have provided evidence to assure people but they won't because that is not their goal.

The plantations were right up to many of these schools for decades as well as many farms. Have we ever seen major health issues arise from any field for that matter? Have we done studies on the levels in the environment to identify the problem firstly and foremost? If we haven't even identified the problem, how can we justify this legislation?

As leaders who set forth goals for the future of Hawaii, the farmers need you to base your decision upon facts and not fear. If not, we only repeat history as perpetuating a modern day witch hunt that ties our hands for the future.

Sincerely,

Joni Kamiya



From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 3:12 PM
To: AGRtestimony
Cc: lunabelleloves@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Stacy Kennedy	Individual	Support	No

Comments: Buffer zones around schools and other close contact areas are an absolute must! The only question I have is, WHY NOT? It seems completely obvious that we should err on the side of caution, not lobbyists, when it comes to the safety of our keiki and our community. Mahalo for supporting this bill!

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 7:31 AM
To: AGRtestimony
Cc: david.k.makaiwi.iii@monsanto.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
David K. Makaiwi III	Individual	Oppose	No

Comments:

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TESTIMONY IN STRONG SUPPORT OF HB1514 HD1

House Agriculture Committee
Chair Clifton Tsuji
Vice Chair Richard Onishi
Relating to Environmental Protection
2/19/2015 8:30am Room 312

Aloha Chair Tsuji, Vice-Chair Onishi and members of the Agriculture Committee.

Mahalo for the opportunity to testify in support of HB1514. My name is Mary Lacques and I am a resident of Haleiwa. I reside within half a mile of Monsanto's fields and a few miles from DuPont Pioneer's operations in Waialua. I am asking that you support this modest and commonsense bill to protect the citizenry, visitors and the environment of Hawaii. On a national level Hawaii lags far behind the majority of states in establishing buffer zones and regulating pesticides around schools and other vulnerable establishments. Hawaii is one of seventeen states that has no protective apparatus in place for those most vulnerable in our society, our keiki and our kupuna. Since the highest users of these products are not mandated to disclose when, where and what type of Restricted Use Pesticides (RUP's) are being applied, communities living near these fields have been the most adamant and vocal about this lack of oversight-organizing and educating themselves and their communities about the inherent dangers of pesticides, raising particular concerns as they relate to children. Public health officials have stated that in the last fifteen years there has been a 17% increase in childhood illness. Scientific studies show that childhood pesticide exposure is a significant factor negatively impacting cognitive and physiological functions.

As I am sure you are well aware, evidence is mounting that these toxic chemicals disrupt the **endocrine system** - the glands and the hormones that produce and guide the development, growth, reproduction, and behavior of human beings and animals. Disruption of the endocrine system results in reproductive disorders, birth defects, immune suppression, and other harmful effects.

Here is a link to a 2014 UC Davis study published in the National Institute of Environmental Health Sciences which concluded: "This study validates the results of earlier research that has reported associations between having a child with autism and prenatal exposure to agricultural chemicals in California," said lead study author Janie F. Shelton, a UC Davis graduate student who now consults with the United Nations. "While we still must investigate whether certain sub-groups are more vulnerable to exposures to these compounds than others, the message is very clear: Women who are pregnant should take special care to avoid contact with agricultural chemicals whenever possible." <http://ehp.niehs.nih.gov/wp-content/uploads/advpub/2014/6/ehp.1307044.pdf>

The week this study came out, Bill Freese, a science policy analyst for the Center for Food Safety in Washington D.C. Was interviewed on Hawaii Public Radio, The Conversation. Here is the link to this excellent interview: Listen

In case you weren't able to attend Senator Green's January 20th Informational Briefing: Health Risks of Pesticide Exposure to Children, here is the link: <http://new.livestream.com/accounts/311605/events/3743644>

I have faith that you will implement this common sense piece of legislation. Mahalo for the opportunity to testify and for your service to the community,

Mary Lacques
P.O. Box 14
Haleiwa HI 96712

onishi3 - Timothy

From: Selena Makaena <mshappyselena@yahoo.com>
Sent: Tuesday, February 17, 2015 11:15 PM
To: AGRtestimony
Subject: HB 1514

Aloha,

I support HB 1514

Mahalo,

Selena Makaena
mshspyselena@yahoo

Sent from my iPhone
Sent from my iPhone

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 5:42 PM
To: AGRtestimony
Cc: mauibecca@aol.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Rebecca Lea	Individual	Support	No

Comments: My son attends Childrens Garden which is right across the street from Monsanto in Kihei, Maui. Daily toxic chemicals are sprayed and float downwind to this school and neighborhood. I want to know the health effects of these chemicals. Which ones are being sprayed and how often. Also it is not known the damaging effects of combinations of this spraying. Why can't our children be safe at school? Why are there not more rigorous standards and regulations on these toxic chemicals. There needs to be buffer zones and testing done. The health of our Aina and Keiki should come first!! We should not have to fight tooth and nail like this for the health of our Keiki. Please I beg you to make an immediate change. Thank you.

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 7:48 AM
To: AGRtestimony
Cc: lydialalim@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
lydia lalim	Individual	Oppose	No

Comments:

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From: Susan Luehrs <hifido@hawaii.rr.com>
Sent: Tuesday, February 17, 2015 7:59 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Susan Luehrs

Haleiwa, HI 96712

From: Gabriel Lautaro <djriddm@gmail.com>
Sent: Tuesday, February 17, 2015 9:31 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Gabriel Lautaro

Oakland, CA 94610

onishi3 - Timothy

From: Stuart Johnson <stuartjohnson65@gmail.com>
Sent: Tuesday, February 17, 2015 6:20 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Stuart Johnson

Kealahou, HI 96750

My name is Alberta de Jetley and I am a small farmer on the island of Lanai and a member of the Maui County Farm Bureau. I oppose HB 1514.

onishi3 - Timothy

From: Helmut Klauer <helmut@classicorganic.org>
Sent: Tuesday, February 17, 2015 5:53 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Helmut Klauer

Pahoa, HI 96778

onishi3 - Timothy

From: Harold Keyser <hkeyser@hawaii.edu>
Sent: Tuesday, February 17, 2015 9:49 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo,
Harold Keyser, Kula, Maui

Harold Keyser

Kula, HI

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 8:16 PM
To: AGRtestimony
Cc: topherdean1@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Christopher Dean	Individual	Comments Only	No

Comments: It's hard to believe that we even need to have legislation to protect our children from being subjected to deadly neurotoxins. You would think that corporations would just take it upon themselves, but as history has shown us, they all too often look the other way, blinded by increasing their profit margin. That's why we need a government; a government of the people, by the people and for the people not a government of the corporation, by the corporation, for the corporation. Why do people form corporations? To protect themselves from being held personally responsible for their actions, that's why. You can sue the corporation but you can't touch my stuff. Now we have a government listens to and responds to the voice of corporations not the people, because that's where the money is. This is not the vision of our founding fathers. PLEASE, listen to the people and protect our keiki.

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 7:52 AM
To: AGRtestimony
Cc: kgma1956@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Mark H. Kijima	Individual	Oppose	No

Comments: This is a bad bill, It makes very erroneous presumptions that pesticides are not rigorously evaluated by the EPA before they are approved for their intended use. It will hurt smaller farmers here in Hawaii with more costly regulations. I oppose this bill. Thank you-

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 7:55 AM
To: AGRtestimony
Cc: bumatayjoann@yahoo.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
joann bumatay	Individual	Oppose	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 8:19 AM
To: AGRtestimony
Cc: anahakirecords@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Kanohowailuku Helm	Individual	Oppose	No

Comments: Aloha Honorable chair Tsuji and vice chair Onishi, I am Kanohowailuku Helm from Molokai, My testimony is simple , do for one do for all, It is not fair to target farmers / applicators who are highly trained in the use of pesticide, Do we not trust the highly trained applicator who chlorinates our drinking water for the safety of our KEIKI? Mahalo

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 7:34 AM
To: AGRtestimony
Cc: peachesnaki@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
moana keohuloa	Individual	Oppose	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 3:38 PM
To: AGRtestimony
Cc: mkelley323@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Mary Lu Kelley	Individual	Support	No

Comments: Aloha, I am writing in support of House Bill (HB)1514, which would create pesticide buffer zones around schools and other sensitive areas and require disclosure by the largest users of "Restricted Use" Pesticides in Hawai'i. It will only affect large commercial users of RUPs -- not small farms, nurseries or landscapers. Please SUPPORT HB1514! Thank you.

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 7:50 AM
To: AGRtestimony
Cc: elizachange8@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Eliza Chang	Individual	Oppose	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 11:52 AM
To: AGRtestimony
Cc: first_edition@yahoo.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Lani	Individual	Support	No

Comments: This is a reasonable bill that I strongly support. The users of high levels of pesticides should be required to abide by basic buffer zones and must publicly make available information of what they are spraying. This bill only affects those using extraordinarily HIGH amounts of pesticides and as such excludes small farmers. This bill makes sense and should be passed.

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February 18, 2015

I am in full support of HB1514 establishing disclosure requirements for outdoor applications of pesticides in proximity to schools, childcare facilities, and certain commercial agricultural entities.

This measure is critical to the health of the people of Hawaii, and especially the safety of our children, who are highly susceptible to compounds with known neurotoxicity: organophosphates.

Organophosphates... contain phosphorus and often have intense neurotoxic activity: originally developed as nerve gases, now widely used as insecticides and fire retardants. (1)

Organophosphate insecticides...are one type of pesticide that works by damaging an enzyme ...critical for controlling nerve signals in the body. The damage to this enzyme kills pests and may cause unwanted side effects in exposed humans. All organophosphates have a common mechanism of toxicity and can cause similar symptoms in humans who have too much exposure.

- *Because organophosphates are often sprayed on crops and plants, small particles of the chemical may be carried away from the field or yard before falling to the ground.*
- *After organophosphates are applied, they may be present in the soil, surface waters, and on the surface of the plants. They can move through the soil and contaminate ground water.*
- *Rain can wash organophosphates on soil and plant surfaces into surface waters.(2)*

Chlorpyrifos are the most widely used insecticide. (3)

A recent study of 249 pregnant women enrolled in the Central Hospital Affiliated to Shenyang Medical College from February 2011 to August 2012 assessed neonatal neurobehavioral developmental according to the NBNA (Neonatal Behavioral Neurological Assessment). Results showed that prenatal organophosphate exposure was one of the most important factors affecting NBNA scores. Prenatal ... concentrations were inversely associated with scores on the NBNA scales. An inverse relation in this instance means the higher the exposure to organophosphates the lower neurological behavior score was in the newborn. (4)

There are numerous scientific scholarly articles showing a link between pesticide exposure and neurodevelopment scores. One only has to Google “pesticides and neurodevelopment” to find pages of research articles published by reputable sources such as Pub Med and The National Center for Biotechnology Information (NCBI).

I am a registered nurse and work with developmentally disabled medically fragile children. I see the struggle parents and children endure every day. I see the emotional, physical, and economic toll it takes on families, and will for their entire lives. I also see the overwhelming joy in a

parent's eyes when their child makes the simplest of milestones such as reaching for an object, or learning to accept a hug, something that may have taken months for their child to accomplish. Something most of us take for granted our children will do. This one measure could change that, could provide a level of protection for those who would be exposed to pesticide drift.

Please pass this very important measure to protect our people. This is a positive beginning to addressing an all important measure that affects our health and ultimately our economy in dollars spent to treat chronic and debilitating physical and mental health conditions and lost productivity as a society. The child, elder, spouse, relative or other loved one afflicted could be your own.

Thank you for reading my testimony.

Barbara Mattson

Maui, Hawaii

References:

1. Organophosphate. (n.d.). *Dictionary.com Unabridged*. Retrieved February 18, 2015, from Dictionary.com website: <http://dictionary.reference.com/browse/organophosphate>
2. Frequently asked questions about organophosphates. Retrieved February 18, 2015, from Department of Health and Human Services website: <http://www.cdc.gov/nceh/clusters/Fallon/organophosfaq.htm>
3. U.S. EPA 2003a, 2003b. Organophosphate Pesticides. U.S Environmental Protection Agency. Retrieved February 18, 2015, from U.S. EPA website:
4. *Prenatal exposure to organophosphate pesticides and neurobehavioral development of neonates: a birth cohort study in Shenyang, China*. 2011. Retrieved February 18, 2015, from Medscape Multispecialty website: <http://www.medscape.com/medline/abstract/24551109>

From: Michael J Duberstein <iliwai34@hawaii.rr.com>
Sent: Tuesday, February 17, 2015 7:01 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Michael J Duberstein

Kihei, HI 96753

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 7:09 AM
To: AGRtestimony
Cc: npfarias77@yahoo.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Nikki Farias	Individual	Oppose	No

Comments:

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 6:50 AM
To: AGRtestimony
Cc: k.hokuokalani@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
K. Hoku Cabebe	Individual	Support	No

Comments: Please as a mother who sends her child to a school near fields that I have no idea when and where they spray. Pass the bill!! Mahalo!

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onishi3 - Timothy

From: Arnulfo Mateo <noly_mateo@yahoo.com>
Sent: Wednesday, February 18, 2015 11:39 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Arnulfo Mateo

Wahiawa, HI

onishi3 - Timothy

From: Wainani Cugal <dcugal1@hawaii.rr.com>
Sent: Tuesday, February 17, 2015 9:48 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Wainani Cugal

Wailuku, HI

onishi3 - Timothy

From: carter Gunderson <lemanaperles@clearwire.net>
Sent: Wednesday, February 18, 2015 12:50 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

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In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

carter Gunderson

Honolulu, HI 96813

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 10:16 PM
To: AGRtestimony
Cc: bbbtutu@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Bonnie Bonse	Individual	Comments Only	No

Comments: Representatives and Committee Members: I see from previous testimony re: pesticide use, safety, disclosure, etc., the usual scenario with the usual players. The big chemical corporations and those who profit from them say we don't need HB1514; they're doing enough, there is no need to regulate further, no need for concern over pesticides being used near our children, our elders, our water. Their arguments are always the same: Our methods are safe; we have more facts than you, the concerned citizen; any efforts at transparency and further safety will just cost people money. All of which might sound good until yet another serious problem with chemicals being used in our environment comes to light. (The plight of bees comes to mind.) The supporters of HB1514 are the people who are concerned about not only the health of Hawaii's children but all people, the soil food is grown in, the reefs and fish, the air we breathe. Pesticides affect all these things and all of us. The supporters are the family members and caretakers of children with unexplained disabilities or illnesses. They are beekeepers armed with facts about the effects of pesticides on the pollinators of our food crops. They are concerned citizens who have done their homework and found reliable data that justifies strong measures, such as (found at <http://www.panna.org/issues/food-agriculture/pesticides-on-food>): ~ 93% of Americans tested by the CDC had metabolites of chlorpyrifos — a neurotoxic insecticide — in their urine. Banned from home use because of its risks to children, chlorpyrifos is part of a family of pesticides (organophosphates) linked to ADHD. ~ 99% of Americans tested positive for DDT degradants, even though it hasn't been used in the US since 1972. Women exposed to DDT as girls are 5 times more likely to develop breast cancer. ~ 48 different pesticides were found on spinach, including 5 known or probable carcinogens. There are so many studies and instances of the results of overuse of harmful pesticides it is mind boggling. How lax we the people would be to not expect and insist that our legislators take strong steps to protect us and this aina from chemical abuse. I urge you to do your part to reduce the chances of further pollution, realize the need for transparency in this arena and support HB 1514. Thank you for this opportunity to express my support for a healthier, safer Hawaii.

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From: Victoria Holloway <mandalaluna@yahoo.com>
Sent: Tuesday, February 17, 2015 11:58 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Victoria Holloway

Kilauea, HI 96754

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 7:18 AM
To: AGRtestimony
Cc: maxine_lalim@yahoo.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Maxine Cabanting	Individual	Oppose	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 3:17 PM
To: AGRtestimony
Cc: jhummy@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Joshua L. Hunziker	Individual	Oppose	No

Comments: I strongly oppose this highly prejudicial bill. This law will remove valuable and productive agricultural land from agricultural uses. I believe this bill is a thinly veiled attempt to effectively rezone agricultural land in order to promote commercial development by making the land within the buffer zones useless to farmers. Farmers are members of the community that care about the Aina and their Keiki and don't deserve to be demonized as they have been without any proof of wrongdoing.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 8:35 PM
To: AGRtestimony
Cc: maiagallo1@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
maria gallo	Individual	Support	No

Comments: I believe it is your ethical & civic duty to vote in favor of this bill. In no way would it restrict or inhibit the ability of companies to do their business; it would only allow community members to know what is in their immediate environment and to protect the weakest of citizens from potential harm. There is no decent argument for not passing this bill. Organic farmers have to disclose information & pay money to ensure the public of their business practices. Farming companies using chemicals should be no different; they should have to disclose their information to the public as well. Thank you, Maria Gallo Kilauea, Kauai

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 11:56 AM
To: AGRtestimony
Cc: first_edition@yahoo.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Lani Kawahara	Individual	Support	No

Comments: This is a reasonable bill that I strongly support. The users of high levels of pesticides should be required to abide by basic buffer zones and must publicly make available information of what they are spraying. This bill only affects those using extraordinarily HIGH amounts of pesticides and as such excludes small farmers. This bill makes sense and should be passed. Lani Kawahara Kapaa, HI

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From: Maris Fukuya <marisgf@yahoo.com>
Sent: Wednesday, February 18, 2015 12:14 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Maris Fukuya

Honolulu, HI 96826

From: Kerry Kelley <honu.kerry@yahoo.com>
Sent: Wednesday, February 18, 2015 10:58 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Kerry Kelley

Pahoa, HI 96778

From: Edie Bikle <tarogifts@aol.com>
Sent: Tuesday, February 17, 2015 9:59 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Edie Bikle

Honokaa, HI 96727

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 7:32 AM
To: AGRtestimony
Cc: danielle-hoohila.bicoy@monsanto.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Danielle Bicoy	Individual	Oppose	No

Comments:

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 12:50 AM
To: AGRtestimony
Cc: ronsan2224@aol.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Ronald S. Fujiyoshi	Individual	Support	No

Comments: Dear House members, I want to add my voice to those who believe that protecting the health of our youth is far more important than protecting the greed of large pesticide companies. Do what is right, just, obvious, (in Japanese, atarimai). Thank you for this opportunity to testify!

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 10:36 AM
To: AGRtestimony
Cc: huskerofhearts@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
christy Kalama	Individual	Support	No

Comments: Wish I was there in person supporting all my Hawaii who solely aim to truly protect life. It's time to wake up and tune in to real life. There is a pulse of care moving into conscious and we are ready to create anew future. A future of function and eternal wellbeing. We look to you-for your support and care and believe this will be the year that the leaders of the old world allow their hearts to function properly. Poison in our food and where is the help in putting an end to this corporate feces! Our land, our life and our connection to home is a sacred source of life to be cherished. I believe it's time to talk and truly come together as One people and take out the toxic lifestyle that perpetuates illness and death. Organic is possible and infact a whole new world is possible...if we would all just believe in One and truly work towards one. Appreciation and respect but importantly, to care is truly the gift. Support all the way!

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From: laurie fs baron <lbaron@hawaii.rr.com>
Sent: Wednesday, February 18, 2015 11:17 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

laurie fs baron

Honolulu, HI 96822

From: Danya Hakeem <danya.hakeem@gmail.com>
Sent: Wednesday, February 18, 2015 10:43 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Danya Hakeem

Honolulu, HI 96816

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 10:58 AM
To: AGRtestimony
Cc: patricia.guay@monsanto.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Patti Guay	Individual	Oppose	No

Comments: I Oppose

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 11:20 AM
To: AGRtestimony
Cc: ellierae808@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Ellie	Individual	Support	No

Comments: I am a concerned citizen of Hawaii and am in support of pesticide no- spray zones around schools, AND mandatory disclosure laws that require heavy users of restricted use pesticides to finally tell us what we are being sprayed with.

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onishi3 - Timothy

From: Kui Ferreira <kahukudirtrider@yahoo.com>
Sent: Wednesday, February 18, 2015 10:49 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Kui Ferreira

Waialua, HI

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 10:37 AM
To: AGRtestimony
Cc: coryjones808@yahoo.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Cory Jones	Individual	Oppose	No

Comments:

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3920 Hunakai St.
Lihue, HI 96766
Feb. 19, 2015

Aloha Chair Tsuji and Members of the State Agriculture Committee,

I am strongly in favor of HB 1514 which would create pesticide buffer zones around schools and other sensitive areas and require disclosure by the largest users of "Restricted Use" Pesticides in Hawai'i.

Please vote to support this very important bill.

Mahalo,

Janice S. Bond

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 11:38 AM
To: AGRtestimony
Cc: RockerG@hawaii.rr.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Bud & Katy Gibson	Individual	Oppose	No

Comments:

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onishi3 - Timothy

From: peter houle <houlep1234@gmail.com>
Sent: Tuesday, February 17, 2015 3:43 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

peter houle

keaaau, HI

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 10:57 AM
To: AGRtestimony
Cc: Panghi71@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Lorin Pang	Individual	Support	No

Comments: I support the HB 1514 for buffer zones. I am a scientist who currently advises and judges scientific health proposals to the US Congress. I have advised and taught for 20 years for the World Health Organization. I now speak as a private citizen. The National Science Foundation recently came up with guidelines (Responsible Conduct of Research) to limit conflict of interest until scientific issues are resolved. The main categories of conflict of interest are financial/economic and conflict of conscience. This latter will encompass what others might perceive as "fairness", in order to feed the world, preserve jobs, and protect farmers. So let us address the science first. Unlike others who refer to scientists or science I want to speak science. There is pesticide drift outside of the target GMO seed fields. This was clearly shown by the UH/Dept Ag study (Li et al) a couple of years ago for Waimea School on the island of Kauai. The EPA acknowledges that drift does occur but claims the levels are safe. They, and their reference agency (National Academy of Sciences) admit that testing of chemical combinations are a huge gap in our knowledge. Under class action lawsuit I obtained that the companies in this area used more than 80 chemicals, nearly all with pharmacological properties to kill or enhance killing (cidal chemicals). For 4 chemicals there are 15 possible combinations, for 15 there are 30,000 combinations, for 80 there are about a trillion X trillion. This huge number of untested combinations for GMO seed crops in Hawaii makes this an issue affecting all aspects of scientific discussion. For example not ALL potential combinations may actually occur or are harmful beyond what we know of the individual chemicals. Let us suppose that only one of a trillion is harmful in new quantitative or qualitative ways. Clearly anyone using less than 10 chemicals will probably not see anything "new" from mixtures -- and we should not apply buffer zones to these users (ASSUMING that individual chemicals have been thoroughly tested for chronic effects and in susceptible populations). Beyond this number we need buffer zones until as per National Academy of Sciences recommendation relevant combinations can be tested (as we do for single chemicals).

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 9:29 AM
To: AGRtestimony
Cc: wmitno@hawaii.rr.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Wesley M Nohara	Individual	Oppose	No

Comments:

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 8:25 AM
To: AGRtestimony
Cc: xavier_kaniala@yahoo.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Xavier-Kaniala Bicoy	Individual	Oppose	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 9:26 AM
To: AGRtestimony
Cc: Robert@bamboomoonvideo.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Robert@bamboomoonvideo.com	Individual	Support	No

Comments: We are asked to drive 15mph near schools here on Kaua`i. Why? Because there are children present. Why can't the same caution be used with regards to toxic chemicals around schools? It is total common sense to protect children, those MOST susceptible, to effects of pesticides and herbicides. Please create buffer zones.

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From: Maureen Langberg <maureenlangberg@gmail.com>
Sent: Wednesday, February 18, 2015 10:08 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Maureen Langberg

Kealahou, HI 96750

From: Eliz Cannon <elizacacia@yahoo.com>
Sent: Wednesday, February 18, 2015 9:59 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Eliz Cannon

Pahoa, HI 96778

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 9:17 AM
To: AGRtestimony
Cc: paulkaneshirosr@yahoo.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Paul Kaneshiro	Individual	Oppose	No

Comments:

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 9:06 AM
To: AGRtestimony
Cc: malolofarm@aol.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Alison Minney	Individual	Oppose	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 11:20 PM
To: AGRtestimony
Cc: ashman.janet@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
J. Ashman	Individual	Oppose	No

Comments: Please hold HB 1514 HD1. • It alleges harm from farmers' use of pesticides but provides no evidence that human or environmental health has been negatively affected by this use. Significantly, HDOH has found no evidence of harm from agricultural use of pesticides. • Recent Hawaii pesticide environmental monitoring studies have not indicated risk to the public from pesticides. • It penalizes farmers who are obeying pesticide laws and not causing risk to their workers, the public, or the environment. • It unfairly targets only farmers' use of pesticides while ignoring government, residential, natural resource conservation, and building protection pesticide users. • It supersedes the strict and scientifically-based laws of the U.S. Environmental Protection Agency and HDOA with arbitrary requirements that will hurt farmers. • Farmers can't even determine whether they need take off from the farm to be here to testify since there is no way to know if the bill will affect them (specific threshold numbers and no-spray distances aren't provided in the bill). • It is clear that the bill drafters are not farmers and don't understand what it takes to farm and make a living from farming in Hawaii. • It will have a chilling effect on farming in Hawaii at a time when the State's goal is to increase agricultural production and become more self-sufficient. • Public concerns about agricultural pesticide use should be addressed in a fact and evidenced-based manner. • HDOA should be provided with adequate funding and authority to ensure that it has the capacity to effectively respond to pesticide concerns. HB 504 addresses this. • Pesticides can and are being used safely. They are necessary for public health, preventing our buildings from collapsing, keeping our animals healthy, our water safe to drink, and our watersheds from being destroyed by invasive species. They are also used in agriculture to control insects and weeds that will destroy entire crops. Even organic agriculture. Please hold HB 1514 HD1. Thank you.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 9:46 PM
To: AGRtestimony
Cc: PelesGrrl@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Trinette Furtado	Individual	Support	Yes

Comments: Aloha Mai 'Oukou, Chair Lee and Committee Members 'O Trinette Furtado ko'u inoa. Noho au ma ke ahupua'a o Keali'inui, o ka moku o Hamakualoa, o ka mokupuni o Maui. Hele ku'u kaikamahine ma Ke Kula Kaiapuni o Pā'ia. My name is Trinette Furtado. I live in the ahupua'a of Keali'inui, on the moku of Hamakualoa (in "deep" Ha'iku) on the island of Maui. My daughter goes to the Hawaiian Language Immersion School at Pā'ia School. I am a cultural practitioner and a concerned, registered, active voter. It is my concern for my child's health and deep aloha for the efficacy of our kaiapuni 'āina-based practices and education that brings me here. I am concerned about the direct effects of drift and nearby application of RUPs in proximity to māla (gardens) in schools that are used to educate our keiki on pono stewardship of the land and which supplement the foods our keiki eat in their hale 'aina (cafeterias), that brings me here before you today. I respectfully ask that you strongly support the passage of HB1514 HD1. Part of kaiapuni education is teaching our keiki to look at the health of the 'āina, what can be grown and sustained by the resources around it and what can be done to mitigate pests, weeds and other issues as has been practiced since wā kahiko. The māla at many kaiapuni across the state not only serve as outdoor classrooms but also provide fresh produce to supplement food prepared or provided in their hale 'aina. Sadly, many of our schools are located in close proximity to areas where RUPs are used in large amounts and/or on large areas. My keiki's school: Pā'ia School, is uniquely situated in the midst of cane fields. As such, air currents and the rapid spread of airborne contaminants are clearly illustrated to us when HC&S burns fields in the area surrounding the school. Smoke can be seen and it's trails tracked back (with a fair enough visual assessment) to its source. Unfortunately, that is not the case with pesticides. Our keiki cannot see it or identify it though they are subjected to it via drift, to land on them, their playgrounds and their gardens and to be carried on the breeze through their classrooms and enclosed areas. Establishing disclosure and notification requirements statewide would inform residents and visitors of areas where RUPs are being applied and when, so that they might better inform medical professionals, should a health issue arise due to unintended exposure. The issue here IS NOT over-regulation of agricultural or pest control businesses. It IS NOT about whether or not the labels on these pesticides are descriptive enough or that those who handle and apply RUPs are highly trained and properly outfitted in safety gear. MY issue is that our keiki and kūpuna do not wear safety gear to our schools and care centers on a daily basis. Though they aren't trained in the application of RUPs, they are subjected to it and the effects of it without their permission and without their knowledge. In addition, the risks for many serious health issues due to pesticide exposure with toxic build-up in the body aren't completely known and they suffer for it. Passage of this bill would not

only set-up reasonable buffer zones and disclosure/notification regulations statewide, but would also ensure 'āina-based education and maintain the sustainable agriculture efforts currently thriving on school grounds across the state. For me, you can cite the numerous studies you supposedly have, on the safety of the chemical cocktails you douse your crops with from across the globe. But if you have nothing to point to here in Hawai'i Nei that proves the safety of your practices, you have no base to speak to me about your right to do business as you have been doing it here for many years or as you see fit. I mahalo you for being present and listening to my concerns and urge you once again to strongly support and PASS this bill. Na'u nō, Trinette Furtado Keali'inui, Hamakualoa, Maui, Hawai'i

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 9:16 AM
To: AGRtestimony
Cc: irisiwami@yahoo.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Iris Iwami	Individual	Oppose	No

Comments: Strongly oppose. If the intent is to protect children and the elderly from pesticides, this bill has the wrong focus. Pesticides are used in the home, schools and care facilities daily.

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Lawrence K. Lasua
Kalamaula, Hawaii

TESTIMONY BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

FEBRUARY 19, 2015

TESTIMONY ON
HB 1514
RELATING TO ENVIRONMENTAL PROTECTION

Aloha Honorable Chair Tsuji, Vice Chair Onishi and Respected Committee Members:

Aloha, my name is Lawrence K. Lasua.

I STRONGLY OPPOSE HB 1514.

WHY I HAVE CONCERNS:

- Bill unfairly discriminates against farmers that use pesticides even though local research has indicated that they are the least likely to pose a risk to public and environmental health and safety.
- Agriculture is not the “highest use” sector of pesticides, why does this selectively target agriculture?
- Bill will negatively affect future ag operations as development encroaches on existing farms, force farmers to comply with arbitrary buffers and require good ag lands to go fallow.
- Here in Hawaii we all agree pests need to be managed. Pesticides serve an important role and can be used to benefit us without risk to human and environment. Whether its keeping our pets flea & tick free, ensuring our water is healthy to drink, removing invasive species from our islands or helping farmers remain viable.

To address community concerns a comprehensive approach must start with facts. The County of Kauai & Dept of Ag have begun a fact-finding effort, which include other ag & regulatory experts. We believe this initiative could be the foundation moving forward, based on scientific facts.

Thank you for your time and consideration.

Sincerely,

Lawrence K. Lasua, Treasurer
Kalamaula Homesteaders Association
Kalamaula, Molokai-

From: John bannowsky <Johnbannowsky@gmail.com>
Sent: Tuesday, February 17, 2015 7:50 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

John bannowsky

wailuku, HI 96793

HB1514 is just another attempt for special interest groups to take control of an already established, federally and state control issue. This bill is not written with the "people" in mind. It's written to control corporations working in Hawaii, that employee people, pay taxes. The bill is a state attempt to do what 2491 did on Kauai and similar bills in Maui and Hawaii counties. The special interest groups want to simply control others. They are not interested in fixing environmental issues. There are several ways the issues can be resolved without passage of HB1514. However, with the passage of HB1514, they get control. I urge you to not pass this bill and find other ways to resolve the issues without constant legislation.

Carlton Hamrick, Jr
Kauai.

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 8:39 AM
To: AGRtestimony
Cc: suzannakauai@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Suzanna Kennedy	Individual	Support	No

Comments: Please support this bill to protect us. Thank you!

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 8:44 AM
To: AGRtestimony
Cc: elif.beall@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Elif Beall	Individual	Support	Yes

Comments: Dear Committee Chair Tsuji, Vice Chair Onishi and Members of the Committee: I express strong support for HB1514 and its provisions for pesticide buffer zones and disclosure requirements. This is a commonsense law to protect Hawaii's children and other residents from the well-established dangers of pesticide exposure. Many pediatricians and other medical professionals and scientists have provided testimony on the scientific basis for this Bill, citing numerous studies. When you look at the RUP purchase data from Kauai alone, it is clear that a reasonable RUP threshold will ensure that THE LAW DOES NOT BURDEN SMALL FARMS. While small farms might purchase a few gallons of RUPs in a year, four large agrochemical research operations purchased purchased 5,477.2 Pounds and 4,324.5 Gallons of RUPs in 2012 alone. (See <http://www.kauai.gov/LinkClick.aspx?fileticket=2wmp6Qrfa2o%3d&tabid=457&mid=3300>). Please pass a strong Bill 1514 with at least 3/4 mile buffer zones and robust disclosure requirements. Thank you for the opportunity to testify.

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 10:09 AM
To: AGRtestimony
Cc: alanc@maui.net
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Alan Crammatte	Individual	Support	No

Comments: There is way too much evidence that pesticides are harmful so buffer zones and disclosure are only natural if we are to be precautionary.

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From: kathleen maddux <ktymdx@yahoo.com>
Sent: Wednesday, February 18, 2015 10:31 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

kathleen maddux

honolulu, HI 96822

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 7:57 AM
To: AGRtestimony
Cc: maria96748@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
maria balangatan	Individual	Oppose	No

Comments:

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 9:23 PM
To: AGRtestimony
Cc: veronikala@mac.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Veronika Bajwa	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 9:59 AM
To: AGRtestimony
Cc: pasha@inlioni.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Pavel Yushin	Individual	Support	No

Comments: Aloha, I testify that buffer zones are necessary to protect school children, teachers, parents, and staff from the harmful health effects of toxic chemical agriculture drift caused by pesticides and other means. Mahalo, Pavel Yushin

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From: Toni Yardley <maoliinstitute@gmail.com>
Sent: Wednesday, February 18, 2015 8:55 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Toni Yardley

Honolulu, HI 96817

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 7:17 AM
To: AGRtestimony
Cc: dsbicoy@yahoo.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Dartagnon Bicoy	Individual	Oppose	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 10:22 AM
To: AGRtestimony
Cc: lauryn@poai.org
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
lauryn galindo	Individual	Support	No

Comments: I support HB 1514 which enforces buffer zones around our schools, hospitals & residential areas. Here on Kauai the CDC has been kept in the dark regarding the preponderance of illnesses surrounding the issue of pesticide spraying, due to the lack of reporting by the Temporary CEO charged with this responsibility! Medical professionals have made our citizens aware of the heartbreaking fallout from the use of pesticides in our community. Please enact buffer zones to protect Our youth...How we care for our most vulnerable & our environment is a true measure of our humanity!! Thank you!

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 8:47 AM
To: AGRtestimony
Cc: danandsheryll@live.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Dan Clegg	Individual	Oppose	No

Comments:

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From: Kaliko Amona <kalikoamona@gmail.com>
Sent: Wednesday, February 18, 2015 12:58 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am a North Shore O'ahu resident and mother of three young children. One of my children attends school less than one mile away from nearby ag operations where restricted use pesticides are sprayed.

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Kaliko Amona

Haleiwa, HI 96712

From: Stephen Scott <sjscott560@yahoo.com>
Sent: Wednesday, February 18, 2015 10:00 AM
To: AGRtestimony
Subject: OPPOSE HB 1514

Dear Sir,

I was unable to log in to the online system to submit my testimony **opposed to HB 1514**.

My name is Jeff Scott, PhD, Senior Research Scientist with Western Pacific Seeds, Inc., a 3-person independent vegetable seed company at 61-676 Kamehameha Hwy, Haleiwa, HI 96712.

HB1514 is poor legislation because:

- 1) It presumes, without any supporting evidence, that current pesticide regulations fail to protect public safety and the environment. Your public responsibility as legislators is to verify if any hospitals in Hawaii have records of pesticide injuries or public exposure.
- 2) It presumes, without any evidence, that pesticide spray drift impacts non-farm property and persons. Your public responsibility as legislators, is to verify any reports of spray drift or injury from the Hawaii Department of Agriculture.
- 3) It fails to recognize the vast differences among types of pesticide sprayers on drift. For example, Gramoxone, a restricted use herbicide, is applied with nozzles 12-18 inches above the ground, and with wind shields that prevent drift from injuring crop plants a mere 12 inches from weeds that are killed. In this case, requiring a large buffer zone would do nothing to increase public safety above current regulations.
- 4) The vague language of pre-spray posting presents difficulties because farmers must work around changing weather patterns of wind and rain. 24 hour advance posting is frequently impossible.

Our tiny company conducts research to create non-gmo vegetable hybrids that are resistant to several important diseases in Hawaii. However, there are additional diseases, and many insects and weeds that can not be controlled by plant genetic resistance. Safe and prudent applications of pesticides are required to grow our tiny areas of research plots, and for Hawaii farmers to produce locally grown food.

Food security is an important issue for Hawaii. Today, we import 90% of our food. Of the food that is locally grown, 65% of it is grown by only 1% of the farms, which number about 75. The rest of the 7,400 farms in Hawaii only produce 35% of Hawaii-grown food. All of these farmers are important. Although farming methods are not all the same, these farmers share the common goal of making a living by feeding all of us.

My interest in agriculture began by growing a large organic garden in the 1970's, hauling truckloads of manure, composting and companion planting. I decided to make a career of agriculture and earned a B.S. in horticulture at Texas A&M University, then a M.S. in vegetable crops, and Ph.D. in genetics at the University of California, Davis. Breeding tomatoes and peppers has been the focus for most of my career. I also directed field research to collect data for EPA registration of new pesticides that are safer for people and safer for the environment. I am presently a vegetable breeder with a small company on the North Shore, making new hybrid vegetables that grow better in Hawaii.

Some armchair farmers today criticize what they call 'industrial' agriculture that includes use of chemical fertilizers and pesticides. The reality is that pre-mechanized agriculture was painfully hard work, and produced much less food per acre than today. Over the past 100 years, ever smaller numbers of farmers have produced more and more food for everyone else. Crop productivity has increased from mechanization, improved fertilizers, improved genetics and improved crop protection from pests, including weeds, insects, diseases and rodents. The tropical environment of Hawaii is ideal for year-round multiplication of insects, diseases, weeds and rodents. Food security for Hawaii depends on controlling those pests.

All farmers, including organic growers, must protect crops and animals from pests. Sometimes, an insect like the coffee berry borer, presently in Kona, multiplies and causes major economic damage for farmers. Because of extensive domestic and international trade, approximately 15 to 30 new pests are accidentally introduced into Hawaii each year. Farms are businesses and must make a profit to stay in business and provide jobs. Pest control methods used in Hawaii must be economically viable. Using extensive hand labor would increase food costs and make Hawaii-grown food uncompetitive with imports.

All chemicals and biological agents that control pests are designated as pesticides, which include herbicides (weeds), insecticides (insects), rodenticides (rodents), fungicides (fungi), bactericides (bacteria), nematocides (nematodes, which are parasitic worms), and algaecides (algae). Agricultural pesticides include products used by organic farmers and products used by traditional farmers. The companies that invent new pest control products know that they must be safe for the environment and safe for humans. Old pesticides are frequently replaced by newer products that are safer. Pesticides are highly regulated by the federal Environmental Protection Agency and the Hawaii Department of Agriculture. Potential new products are rigorously tested for toxicity on test animals and for

potential effects on the environment. Field tests are done to determine its safety on food crops before it is approved by the EPA for marketing. Tests are conducted according to rigorous federal Good Laboratory Practices, which also specify that falsifying data is a felony. Scientists who conduct these tests are deeply committed to ethics and integrity. Few people who work in other professions understand the depth of that commitment to truth and honesty.

General use pesticides are available to anyone, and are analogous to over-the-counter pharmaceuticals. Restricted use pesticides require that an applicator pass a State of Hawaii licensing exam in order to buy and to use. Restricted use pesticides are analogous to prescription medications that require specialized training to ensure that they are used safely. Every pesticide has an MSDS (Material Safety Data Sheet) that specifies important chemical, toxicity, flammability and other emergency information. Products must also be registered and approved for use by individual states.

Pesticide labels define what crops or animals may be treated, by what method, and how often. Labels specify protective clothing (PPE) required for applicators, the minimum duration between application and re-entering the treated area without PPE, and the minimum duration between application and harvest. All of the instructions on the label are based on scientific data. These detailed instructions protect applicators, other farm workers, neighbors and consumers from exposure.

Each pesticide label has the force of law. That means any violation of the label is breaking the law. Farmers and pesticide applicators take this very seriously. These laws apply equally to everyone: organic farmers, traditional farmers, landscapers, pest control companies, golf courses, government employees and the general public. Specific pesticide products for use by certified organic growers are designated by OMRI (Organic Materials Research Institute) and registered with the EPA and each state for approval. Traditional growers may use OMRI-designated products and additional products registered and approved by the federal EPA and Hawaii Department of Agriculture.

Some people believe that pesticides used by organic farmers are less toxic than ones used by traditional farmers. That is not true. Many synthetic pesticides have very low toxicity, and some pesticides designated by OMRI for organic farmers have higher toxicity. Toxicity is expressed as the LD50, which is usually a measure of the oral dosage amount that kills 50% of a group of rats (or mice) and is expressed as milligrams of the pesticide per kilogram of animal body weight. Some products may also have an LD50 for skin absorption and for inhalation if the pesticide is a gas. The smaller the LD50 number, the less it takes to kill the rats, and the more toxic it also is to humans. Toxicity of other chemicals such as table salt, aspirin and caffeine are measured the same way. Some irresponsible web sites falsely claim that our food contains many pesticides. The EPA has set limits for extremely tiny amounts allowed in food, and those limits have a large margin of safety for our health built in and backed by scientific data. The regulatory system does an outstanding job of protecting the health of consumers.

Our modern world is complex and we face hazards to our health and safety in many diverse ways. Driving to Honolulu poses a safety risk, smoking marijuana or tobacco are health risks, consuming nitrite and nitrate preservatives in lunchmeat is a potential risk, high blood cholesterol is a risk, and the list goes on. We can never eliminate every possible risk from our lives, but we can make smart and prudent choices. Pesticide contamination in food is one of the smallest potential risks that we face each day. The food supply in the United States is safer today than it has ever been. Growing more food in Hawaii to achieve food security depends on controlling the many pests that damage our crops and animals.

Testimony **Opposing HB1514** HD1:

I am an Assistant Professor of Applied Entomology at UH Hilo, College of Agriculture, Forestry and Natural Resource Management, and I am testifying on behalf of myself.

The legislation involving requiring public notice and restriction of all pesticide use by commercial agricultural entities is misguided and bypasses the already in-place regulations set forth by federal and state law regarding state approval of pesticides (both restricted use and general use).

The state has the right for more restrictive pesticide regulations than federal EPA standards, and this is accomplished by ensuring the legal sale and labeling of pesticides that are EPA approved also be approved by a state registration process. It is at this stage of state labeling, use and registration of pesticides that would be appropriate if more restrictive standards are needed for 'buffer zone' or public notice.

The label of a pesticide is and should be the ultimate verifiable legal document indicating safe level of appropriate use of a given substance that is intended to kill or repel or reduce growth or reproduction of a target organism. All substances that are allowed and intended to be used to somehow negatively affect another organism must be labelled as pesticide, with the active ingredient and warning levels clearly indicated for safe use.

Having another layer of use burden on a pesticide that is not indicated on the label of the pesticide is a terrible precedent to be set, and can easily lead to a fracturing of the regulatory steps needed to properly indicate approved uses of toxic products.

Finally, agriculture in the State of Hawaii is extremely important, and we do not do enough farming! Laws that increase the complexity of agricultural practices will only succeed in diminishing local diversified agriculture, and will at the same time increase the number of large agricultural entities that have the critical mass and employee numbers to handle increased legal burdens of farmers. It is my opinion that onerous farming legislation will have the opposite effects that legislators are trying to achieve. Also, Hawaii is already a niche market for EPA registered compounds, and most companies will not pay the regulatory costs of newer and potentially SAFER pesticides for use in Hawaii. This law will again serve to demonstrate to the nation that Hawaii is not worth the cost of investment of the most useful tools developed that can be used to reduce the risks of pesticides that are ALREADY approved for Hawaii, and should be replaced by safer compounds and formulations.

Regarding to the gallon or pound limit as a threshold to reporting of pesticides. This could back-fire, as there is no mention as to this measure referring to the Active Ingredient or the total volume of a purchased product. This could lead to commercial agricultural entities buying MORE CONCENTRATED pesticides to fit under the reporting threshold, and this will always be more dangerous to everyone, as human error is more easily associated with negative outcomes referring to storage and dilution of concentrated compounds.

Regarding a technical detail... having no agricultural commercial use of pesticides of in watersheds is a ridiculous notion in Hawaii, and draws a blanket ban for all compounds, many of which have been studied exhaustively for their binding potential to organic matter, thus mitigating run-off potential.

Finally, laws that are not based in the current, best information and standards of scientific knowledge, like this one, only serve to limit the competitiveness and novelty that Hawaii needs to enhance our livelihoods for all residents... in this case, the law is especially negative for agricultural sustainability.

Sincerely,

Jesse Eiben, PhD

From: Heather Curtis <feather_curtis@yahoo.com>
Sent: Wednesday, February 18, 2015 8:59 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Heather Curtis

Haleiwa, HI 96712

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 9:09 AM
To: AGRtestimony
Cc: karly.williams@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
karly williams	Individual	Support	Yes

Comments: Mahalo for your consideration of my testimony. Briefly, I just wanted to say (since I will be appearing in person) that we are seeking you to PLEASE protect us. Protect our keiki, homes, and communities from pesticides. These poisons do not stay contained. Hawaii is home to many different rains and winds and it brings the poisons into are daily lives. Please support this bill so that we may establish transparency of the different poisons being sprayed, because we, your constituents, deserve the right to that disclosure. These poisons are known and banned around the world and with this bill the least we are asking you to do is to protect us! I appreciate your time in considering my testimony! Mahalo

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onishi3 - Timothy

From: Andrew Vliet <aonaona3@gmail.com>
Sent: Wednesday, February 18, 2015 9:28 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Andrew Vliet

Waipahu, HI

From: Takeshi Toma <ttoma57766@aol.com>
Sent: Wednesday, February 18, 2015 9:27 AM
To: AGRtestimony
Subject: Fwd: Support for House Bill 1514 HD1

Aloha House Ag committee,

I support HB 1514 HD1. I have significant background in understanding pesticide use and regulation.

I was born and raised in Waipahu. I worked at Oahu Sugar Co. (9/1953 - 5/1955) and attended UH Manoa (BS Agricultural Science June 1960). I lived 51 years on the East Coast (New York and the Washington DC area) working nine years as APHIS/ARS inspector at USDA. I also spent two years as an Analyst for the Pesticides Regulation Division, ARS, USDA, then 22 years as a regulator at the Pesticides Registration Division, OPP, Environmental Protection Agency.

This is five decades of experiential understanding of how regulations are compromised by unyielding industry pressure on policy makers who live completely isolated from the environments where these chemicals are sprayed. The EPA regulations are an inadequate minimum distance for the far-less frequent pesticide application for crop production not research.

There are many examples of chemical contaminants that have once been deemed as safe with large levels of retraction later.

I have returned to Hawaii to give back to the community. I spend much of my time helping at a hands-on level with educational agriculture at Luluku Farmers Association and at Castle High School's farm in Kaneohe. My knowledge gives me a responsibility to come forward to speak to keep our children safe from damaging pesticide exposure. The EPA regulations do not adequately address the mix of chemicals and reflect a minimal standard of protection, regardless of what they claim.

Establishing Agricultural Bufferzones that protects our most vulnerable citizens is an important responsibility from the state. There are no innocent by-standers in a decision as vital as this.

Please fully support HB1514 establishing buffer zones and disclosure of pesticide use.

Herman Takeshi Toma
PO Box 1322
Kaneohe, HI 96744-1322

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 10:02 AM
To: AGRtestimony
Cc: hikiola@aloha.net
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Tina Tamanaha	Individual	Oppose	No

Comments: This measure will burden the small farms already struggling in this economic recession. Some farmers will consider or be required to close their family business. Consider the watercress farm at Pearlridge, consider golf courses.

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From: Takeshi Toma <ttoma57766@aol.com>
Sent: Wednesday, February 18, 2015 9:27 AM
To: AGRtestimony
Subject: Fwd: Support for House Bill 1514 HD1

Aloha House Ag committee,

I support HB 1514 HD1. I have significant background in understanding pesticide use and regulation.

I was born and raised in Waipahu. I worked at Oahu Sugar Co. (9/1953 - 5/1955) and attended UH Manoa (BS Agricultural Science June 1960). I lived 51 years on the East Coast (New York and the Washington DC area) working nine years as APHIS/ARS inspector at USDA. I also spent two years as an Analyst for the Pesticides Regulation Division, ARS, USDA, then 22 years as a regulator at the Pesticides Registration Division, OPP, Environmental Protection Agency.

This is five decades of experiential understanding of how regulations are compromised by unyielding industry pressure on policy makers who live completely isolated from the environments where these chemicals are sprayed. The EPA regulations are an inadequate minimum distance for the far-less frequent pesticide application for crop production not research.

There are many examples of chemical contaminants that have once been deemed as safe with large levels of retraction later.

I have returned to Hawaii to give back to the community. I spend much of my time helping at a hands-on level with educational agriculture at Luluku Farmers Association and at Castle High School's farm in Kaneohe. My knowledge gives me a responsibility to come forward to speak to keep our children safe from damaging pesticide exposure. The EPA regulations do not adequately address the mix of chemicals and reflect a minimal standard of protection, regardless of what they claim.

Establishing Agricultural Bufferzones that protects our most vulnerable citizens is an important responsibility from the state. There are no innocent by-standers in a decision as vital as this.

Please fully support HB1514 establishing buffer zones and disclosure of pesticide use.

Herman Takeshi Toma
PO Box 1322
Kaneohe, HI 96744-1322

TO: House Committee on Agriculture

FROM: Amie M. Stokes

DATE: February 5, 2015

SUBJECT: TESTIMONY IN SUPPOT OF HB 1514, RELATING TO ENVIRONMENTAL PROTECTION

Aloha Esteemed Members of the House Committee on Agriculture,

Thank you for the opportunity to testify in support of this measure. My name is Amie Stokes; I am a Maui County resident. I have two children: Elijah, who is four years old, and Nyomi, who is seven months old. I currently work as an executive assistant to Maui County Council Member Elle Cochran. I have held this position since July 2014. Prior to this position, I was a student at the University of Hawaii at Manoa, studying remotely from Maui. I earned my Bachelor of Arts degree from the University of Hawaii at Manoa in May 2014 in Interdisciplinary Studies with a focus on Natural Resource Management, Ecology, and Indigenous Cultures. I am currently pursuing a Master's degree in Human Resource Management through the University of Hawaii at Manoa, Shidler College of Business. I am expected to graduate in December 2015.

My family and I previously lived at 503 Lauloa Street, Kihei, Maui, Hawaii 96753. My family and I moved onto this property in September 2011, and we moved out of the property in November 2013. The property is adjacent to Monsanto Company's GMO testing fields in Kihei and, as a result, my family and I experienced negative health effects while living on the property. The property is a corner lot on Lauloa Street. Right behind the property is an empty field with Kiawe and dirt trails. Behind this are Monsanto Company's GMO test fields.

My family and I lived on the property for a little over two years. During this time, our landlord's daughter would have regular seizures. On several occasions, an ambulance would be called to take her to the hospital. As far as I am aware, she did not have any predispositions to seizures.

We moved off of the property and into our new house on November 13, 2013. That evening, my son Elijah had a seizure. I took him to Kaiser Permanente medical facility, and they confirmed that he was having a seizure. The doctors conducted an electroencephalogram test and a blood panel and subsequently determined that Elijah had no predisposition to seizures. The doctor stated that the seizure was environmentally induced. I informed the doctor that he had just moved from living next to Monsanto Company's GMO testing fields. The doctor said the seizure could absolutely have been induced from the pesticide spraying. Since my family has moved Upcountry, Elijah has not had any seizures.

While living on the property, I also started experiencing adverse health reactions. I experienced central nervous system issues, including severe mood swings, depression, and headaches.

In addition to the cane smoke, I could taste chemicals on my tongue when I lived on the property. There was a numbing feeling in my mouth. It was not necessarily visible, and there was no noticeable smell,

but the taste was distinct. This strange taste of chemicals happened intermittently, and I noticed it as often as once a week. When I began to taste the chemicals in my mouth, I often would leave the neighborhood.

I believe that establishing disclosure requirements for outdoor applications of pesticides in proximity to schools, child care facilities, and certain commercial agricultural entities, as well as establishing buffer zones will be a step in the right direction for the State of Hawaii. Fiscally speaking, it would behoove the state to have a structure in place that will help mitigate the growing concerns from the public regarding industrial agricultural practices. Considering our state's dependence on agriculture for revenue and our ever growing population's needs that we have for development, which includes schools and care facilities, I feel that it is imperative that the state implement buffer zones and disclosure laws to ensure a harmonious future.

For these reasons I strongly support HB 1514 and urge you to move this bill forward today.

Thank you for the opportunity to testify.

Amie Stokes

County of Maui

Executive Assistant to

Council Member Elle Cochran

200 South High Street

Wailuku, HI 96768

Amie.stokes@mauicounty.us

(808) 270-5512

TO: House Committee on Agriculture

FROM: Amie M. Stokes

DATE: February 5, 2015

SUBJECT: TESTIMONY IN SUPPOT OF HB 1514, RELATING TO ENVIRONMENTAL PROTECTION

Aloha Esteemed Members of the House Committee on Agriculture,

Thank you for the opportunity to testify in support of this measure. My name is Amie Stokes; I am a Maui County resident. I have two children: Elijah, who is four years old, and Nyomi, who is seven months old. I currently work as an executive assistant to Maui County Council Member Elle Cochran. I have held this position since July 2014. Prior to this position, I was a student at the University of Hawaii at Manoa, studying remotely from Maui. I earned my Bachelor of Arts degree from the University of Hawaii at Manoa in May 2014 in Interdisciplinary Studies with a focus on Natural Resource Management, Ecology, and Indigenous Cultures. I am currently pursuing a Master's degree in Human Resource Management through the University of Hawaii at Manoa, Shidler College of Business. I am expected to graduate in December 2015.

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Thank you for the opportunity to testify.

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County of Maui

Executive Assistant to

Council Member Elle Cochran

200 South High Street

Wailuku, HI 96768

Amie.stokes@mauicounty.us

(808) 270-5512

onishi3 - Timothy

From: Eric Shearer <eric.shearer@gmail.com>
Sent: Wednesday, February 18, 2015 11:33 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Eric Shearer

Honolulu, HI

onishi3 - Timothy

From: Eric Shearer <eric.shearer@gmail.com>
Sent: Wednesday, February 18, 2015 11:33 AM
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Mahalo

Eric Shearer

Honolulu, HI

FEBRUARY 19, 2015
HEARING BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE
TESTIMONY ON HB 1514, HD 1
RELATING TO PESTICIDES
ROOM 312
8:30 AM

Aloha Chair Tsuji, Vice Chair Onishi, and Members of the Committee,

I **strongly oppose HB 1514, HD 1**, which requires mandatory disclosure and notification of outdoor pesticide use by specified schools, child care facilities, early childhood education and care facilities, family child care homes, group child care centers, group child care homes, and commercial agricultural entities.

This bill sets up a new, unfunded, and arbitrary State pesticide use system to replace decades of U.S. EPA and Hawaii Department of Agriculture expertise. Registering a pesticide is a science based process which encompasses a 5-10 year process of research and evaluation. Law dictates that the US EPA must first determine that no harm will result from legal use of a pesticide before registering that product. Once federally registered, the Hawaii Department of Agriculture conducts numerous reviews to ensure compliance with state law and Hawaii specific environmental concerns. Both the federal and State government dictate how each pesticide is used and what notification, worker protection, buffers, and recordkeeping are required.

HB 1514 will take farm land out of production, increase costs, and make it even more difficult to farm in Hawaii.

An alternative House bill is also being heard this morning, HB 504. It presents an opportunity to increase funding and expand the authority of the Department of Agriculture Pesticide Branch. That bill will enhance the ability of the agency with expertise in this area to address pesticide concerns and ensure public safety while allowing agriculture to remain viable in Hawaii.

Please oppose HB 1514, HD 1.

Mahalo,

(Michael Ross)

(76 Alea Pl Makawao, HI 96768)

Testimony from Dr. Joe Ritter Maui:

I SUPPORT HB1514 for pesticide disclosure and buffer zones around our schools and sensitive areas.

If you read nothing else read this paragraph: Toxaphene from cotton in the south went all the way to the great lakes and arctic animals. Sprayed on cotton and aerosolized it poisoned people thousands of miles away. This is well documented.

I began my scientific career by coauthoring several peer reviewed publications in the field of Teratology - birth defects research. Teratology from the greek word Teras meaning MONSTER is the study of abnormalities of physiological development. I previously held an appointment at the College of Agriculture, Forestry, and Natural Resource Management in Hilo. I have also worked in genetics and flew a genetics payload on Pace Shuttle mission STS-91. I am an interdisciplinary scientist and Ph.D. Physicist.

On the research fields of Maui Molokai Oahu and Kauai we see the widespread applications of cocktail herbicides and pesticides with as many as 80 components, where claims of safety from research studies are often based on tests of ONLY a single ingredient, not the combination cocktail applied to crops and through run off and drift applied to us. EPA LD50 for single components is therefore meaningless. These combinations are untested. The EPA will confirm this.

30 years ago I developed a novel AI computer program for mining data from decades of birth defects research studies. So at the age of 19 I was the keynote speaker at a Meeting of the Mid Atlantic Reproduction and Teratology Society. I know something about birth defects and toxic chemicals. Our teams peer reviewed, published research addressed these chemical combinations. We used Wistar rats as a test model for human reproductive systems.

We found a significantly increased damaging effect from administering multiple chemicals at the same time. Often a single chemical administered would cause no or low harm statistically but if multiple chemicals were given together we might see upwards of 50 to 100 % malformed young. Toxicity can be multiplied by 1000! Yes 1000!

This was tremendously helpful in our understanding the biochemical pathways of birth defects, but absolutely disastrous for the animal subjects. Years of science clearly shows that Chemicals administered together have a multiplicatively bad effect on embryos. This Dangerous Potentiative 1000 fold effect of herbicide and pesticide “chemical cocktails” is what terrifies me.

You heard these chemical practices are safe? I reject that. It is undeniable that combined doses can have significantly increased negative health effects that tests using single components simply cannot reveal. Even single components are dangerous: On Maui Nerve agents are being used by Monsanto. The chemical in question is called Methyl Parathion, which is an ACHE, an acetylcholinesterase inhibitor. The chemical action and poison mechanism of the nerve agent is

identical in mechanism to the chemical warfare agents Sarin gas and VX gas, outlawed even in the event of war. Production and stockpiling of Sarin was outlawed by the Chemical Weapons Convention of 1993, and it is classified as a Schedule 1 substance, yet its cousin M-Parathion is sprayed on fields I drive by every day!

I attach here a photo showing this is being sprayed on Monsanto fields on Maui.

If you think this is ok vote for no disclosure and no buffer zones. Otherwise please vote YES.

This is not farming, and it is most certainly not ok.

Pesticides drift long distances: Toxaphene from cotton in the south went all the way to the great lakes and arctic animals. Sprayed on cotton and aerosolized it poisoned people thousands of miles away. This is well documented.

The following is from a Monsanto field on Maui:

Date	Time	Applicator/Certification #	Crop	Farm/Field #	Brand Name & Formulation	RE
7-10-14	10:00 AM	Dante Alejo-D32602 J Cuaresma-D32601 David Ishii-D32618 Norbert Ujile-D32643 N. Wheeler-D32620 W.Murashige D32598	Corn wheat	2346 2446	Permethrin	
7-10-14	10:30 AM	Dante Alejo-D32602 J Cuaresma-D32601 David Ishii-D32618 Norbert Ujile-D32643 N. Wheeler-D32620 W.Murashige D32598	Corn wheat	1804 2104 1843 2143 1902 1942	Dipel Pyrimite Permethrin	
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		Dante Alejo-D32602 J Cuaresma-	Corn wheat			

Aerosols are particles suspended in the air. This can include vapor droplets. Aerosols from the African Sahara travel to the United States and affect climate. Aerosols from Kilauea travel from Hawaii Island to Kauai and further causing asthmatic attacks. When damaging aerosols are known to travel thousands of miles it is unfathomable that aerosols from fields are being sprayed next to schools in Hawaii.

We must disclose the poisons. There are many documented cases of children of Hawaii going to the hospital in ambulances. If you care about the health of the people or the rights of people, then you must vote for buffers and disclosure. If you don't then don't vote for it.

Our state constitution says, “The State shall conserve and protect agricultural lands, promote diversified agriculture, increase agricultural self-sufficiency and assure the availability of agriculturally suitable lands.”

I remind you of the constitution of the State of Hawaii article XI-Conservation, control and development of resources: “Section 1. For the benefit of present and future generations, the State and its political subdivisions shall conserve and protect Hawaii's natural beauty and all natural resources, including land, water, air, minerals and energy sources, and shall promote the development and utilization of these resources in a manner consistent with their conservation and in furtherance of the self-sufficiency of the State. All public natural resources are held in trust by the State for the benefit of the people.”

Our constitution demands that you protect our natural resources. Our constitution does not say poison people and children. Please uphold the public trust doctrine.

Dr. Joe Ritter-Kihei Hawaii 96753 House District 11, Senate District 6

Testimony from Dr. Joe Ritter Maui:

I SUPPORT HB1514 for pesticide disclosure and buffer zones around our schools and sensitive areas.

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 8:36 AM
To: AGRtestimony
Cc: rhonda.k.smith@monsanto.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Rhonda	Individual	Oppose	No

Comments:

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

Do not reply to this email. This inbox is not monitored. For assistance please email webmaster@capitol.hawaii.gov

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 9:18 AM
To: AGRtestimony
Cc: olsonb74@yahoo.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Benjamin E Olson	Individual	Oppose	No

Comments:

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onishi3 - Timothy

From: Timothy Graunke <tgraunke@gmail.com>
Sent: Wednesday, February 18, 2015 7:42 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Timothy Graunke

Honolulu, HI 96813

From: cora grether <coraflora@live.com>
Sent: Wednesday, February 18, 2015 11:31 AM
To: AGRtestimony
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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

cora grether

maui, HI 96768

From: Patricia Oellien <pjoellien@gmail.com>
Sent: Wednesday, February 18, 2015 8:42 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Patricia Oellien

Kaaawa, HI 96730

From: Robert Netger <southernbobs@gmail.com>
Sent: Wednesday, February 18, 2015 10:03 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Robert Netger

Naalehu, HI 96772

From: claire garrigue <haikustyle@aol.com>
Sent: Tuesday, February 17, 2015 7:16 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

claire garrigue

haiku, HI 96708

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 8:47 AM
To: AGRtestimony
Cc: lawrence@molokaicommunityfcu.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Lawrence K. Lasua	Individual	Oppose	No

Comments: WHY WE HAVE CONCERNS: Bill unfairly discriminates against farmers that use pesticides even though local research has indicated that they are the least likely to pose a risk to public and environmental health and safety. Agriculture is not the “highest use” sector of pesticides, why does this selectively target agriculture? Bill will negatively affect future ag operations as development encroaches on existing farms, force farmers to comply with arbitrary buffers and require good ag lands to go fallow. Here in Hawaii we all agree pests need to be managed. Pesticides serve an important role and can be used to benefit us without risk to human and environment. Whether its keeping our pets flea & tick free, ensuring our water is healthy to drink, removing invasive species from our islands or helping farmers remain viable. To address community concerns a comprehensive approach must start with facts. The County of Kauai & Dept of Ag have begun a fact-finding effort, which include other ag & regulatory experts. We believe this initiative could be the foundation moving forward, based on scientific facts.

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 8:40 AM
To: AGRtestimony
Cc: f88000001d@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Doug Killpatrick	Individual	Support	No

Comments: Studies in the 1950's - pollution kills. studies in the 1960's - pollution kills. studies in the 1970's - Earth Day - EPA - pollution kills. Studies in the 1980's - pollution kills. Studies in the 1990's - pollution kills. Studies in the 2000's = pollution kills. Less pollution would be best. Thanks.

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onishi3 - Timothy

From: greg heyd <heydg002@hawaii.rr.com>
Sent: Tuesday, February 17, 2015 8:54 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

greg heyd

wailuku, HI

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 11:25 AM
To: AGRtestimony
Cc: foliage@hawaii.rr.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
David M.S. Smith	Lawai Foliage & Contracting, Inc.	Oppose	No

Comments:

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 9:20 AM
To: AGRtestimony
Cc: pennylynnwendel@msn.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Penny Heiple	Individual	Support	No

Comments: I am in support of this bill! Mahalo!

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Do not reply to this email. This inbox is not monitored. For assistance please email webmaster@capitol.hawaii.gov

onishi3 - Timothy

From: Teresa Golisz <arle6@hotmail.com>
Sent: Tuesday, February 17, 2015 6:56 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Teresa Golisz

Honolulu,, HI 96814

onishi3 - Timothy

From: Mane FUTO <manefuto@gmail.com>
Sent: Wednesday, February 18, 2015 8:49 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Mane FUTO

HALEIWA, HI 96712

onishi3 - Timothy

From: PETER GUIZAR <anuenuetropicals@gmail.com>
Sent: Tuesday, February 17, 2015 6:37 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

PETER GUIZAR

Mt. View, HI

From: ryan keogh <ryankeogh00@yahoo.com>
Sent: Wednesday, February 18, 2015 7:32 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

ryan keogh

waiialua, HI 96791

From: Jeffrey Bronfman <JeffreyUDV@aol.com>
Sent: Wednesday, February 18, 2015 8:40 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Jeffrey Bronfman

Haiku, HI 96708

From: christine keogh <keolla12@gmail.com>
Sent: Wednesday, February 18, 2015 7:29 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

christine keogh

waiialua, HI 96791

PATRICK S. GEGEN

4015 Waha Road ~ Kalaheo, Kauai, Hawaii 96741 ~ Telephone (808)635-2081 ~ psgegen@hotmail.com

Testimony in **STRONG SUPPORT of HB1514, HD1.**

Relating to Environmental Protection

Before the House Committees on Agriculture

February 19, 2015 at 8:30 AM, Conference Room 312

The Honorable Chair Tsuji, Vice Chair Onishi and Committee Members,

I am in STRONG SUPPORT of HB1514 as I feel it will offer more protections for the health of the people and environment of Hawai'i than we currently have.

FACT: Pesticides are meant to kill living organisms. Many of the organisms pesticides kill share biological and cellular similarities to humans

FACT: Pesticides can have multigenerational impact when humans are exposed to them.

From the EPA "Recognition and Management of Pesticide Poisonings" 2013 – 6th edition

FACT: According to the EPA, evidence of diseases related to low-level chronic exposure to pesticides are accumulating and becoming better understood. From the EPA "Recognition and Management of Pesticide Poisonings" 2013 – 6th edition

FACT: EPA & OSHA look at the combination of 2 variables when determining the potential harm to individuals: (the dosage of the chemical exposure) X (the length of time exposed to the chemical)

FACT: The effects of low level chronic exposure can be as damaging if not more harmful than a single large acute poisoning by pesticides.

PESTICIDES DRIFT

Two (2) recent studies on Kauai confirm that pesticides are ending up in places they should not be. Schools and waterways that lead to the ocean.

(1) The University of Hawaii 2013 air sampling study "Air sampling and analysis for pesticide residues and odorous chemicals in and around Waimea, Kaua'i" examined ambient air at Waimea Canyon Middle School (WCMS) and other Kaua'i schools. Five pesticides were detected at WCMS in passive air samplers in both indoor and outdoor sites, as well as high volume air samplers. The pesticides detected by the air samplers were chlorpyrifos, metolachlor, bifenthrin, benzene hexachloride and dichlorodiphenyltrichloroethane (DDT). Some of these are "legacy" pesticides like DDT but some are currently being used on Kaua'i like chlorpyrifos.

I have no reason to doubt that the people using these chemicals in the test fields around the school were applying them according to the label and with best practices in mind, yet, drift occurred and was found in low-level doses.

NOTE: No one is sure which fields these chemicals came from nor the distance from the school because we have had no usable disclosure data.

(2) The Hawaii 2013 – 2014 Statewide Pesticide Sampling Project was a one-time study done across the state which identified numerous concerns about a range of pesticide uses but

also had some significant limitations as to analysis. Some of the results confirm that pesticides are ending up in places that they should not.

- 8 water samples taken on Kauai, 2 with glyphosate testing
- Atrazine and metachlor, two restricted use herbicides, were detected at levels that exceeded aquatic life guidelines at 1 location on Kaua'i.
- Five (5) restricted use pesticides were detected at one (1) or more sites with upstream seed corn production.
- Locations where glyphosate testing was done were all positive.
- Study limitations:
 - Local pesticide applications not known,
 - One time sample results cannot assess the real risk,
 - Multiple upstream users – without good disclosure information it is hard to pinpoint the source

I am sure that it was not the intent of the applicator in any of these situations to have the pesticides contaminating our waterways and ultimately the ocean. But drift and measurable contamination is occurring under the current application procedures, although it was not deemed to be at a level of concern for humans, “just” aquatic life. Improvements to pesticide application and additional human protections need to be put in place.

BUFFER ZONES NEED TO BE SIGNIFICANT TO MINIMIZE CONCENTRATED DRIFT

Drift occurs when pesticides are being applied and also as chemicals volatilize in the heat. These chemicals and their residuals are carried by the wind to areas they were not applied to. On Kauai we have been repeatedly told that spraying cannot be done when winds are over 10 mph.

How long will it take for the wind to carry pesticide drift specific distances? Notice the significant difference between current “Good Neighbor” policy and EPA exposure concern distance.

Wind Speed

	10 miles per hour	7 miles per hour	5 miles per hour
Distance / second	14.6 feet/sec	10.3 feet/sec	7.3 feet/sec
Time to travel 100 feet (Good Neighbor Policy)	6.8 seconds	9.7 seconds	13.7 seconds
Time to travel 500 feet	34 seconds	51.5 seconds	68.5 seconds
Time to Travel 1000 feet	68 seconds	97 seconds	137 seconds
Time to travel 1320 feet (1/4 mile) (EPA Concern Level)	90 seconds	128 seconds	181 seconds
Time to Travel 2640 feet (1/2/mile)	180 seconds (3 minutes)	256 seconds	361 seconds

The EPA Manual titled: Recognition and Management of Pesticide Poisonings (6th Edition, Published in 2013) has a Detailed Occupational and Environmental Exposure History Questionnaire to be used by Medical Care Providers. One of the key questions in the Environmental Exposure History section is:

“Do you live within a ¼ mile of an agricultural area?”

The EPA has identified that within a ¼ mile of an agricultural area people are at-risk for receiving adverse exposures to pesticides.

Currently agricultural workers are at risk due to substandard protections

From the EPA:

Pesticides; Agricultural Worker Protection Standard Revisions

a.k.a. AG WPS Revisions (Worker Protection Standards)

Docket No.: [EPA-HQ-OPP-2011-0184-0119](#) (What's this?)

Abstract: On March 19, 2014, the EPA proposed to revise the federal regulations issued under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) that direct agricultural worker protection (40 CFR 170). ([Hide](#))

The proposed changes are in response to extensive stakeholder review of the regulation and its implementation since 1992, and reflect current research on how to mitigate occupational pesticide exposure to agricultural workers and pesticide handlers.

February 20, 2014

Washington, D.C. — In North Carolina and Florida, three babies born in 2005 brought to light in the most painful way what pesticide exposure does to farmworkers and their children. All three babies were born with severe birth defects after their mothers had worked together on tomato farms for the produce company Ag-Mart in both states. **State investigators found hundreds of instances of pesticide safety problems, but were unable to prove pesticide violations in the case, because of loopholes in the Worker Protection Standard—the very pesticide rules they were trying to enforce.**

Today, the U.S. Environmental Protection Agency proposed strengthening the WPS to address many pesticide safety concerns—including those raised in the high-profile birth defects case.

Agricultural workers are not being adequately protected by current standards.

Effects of Low-Level Chronic Exposure

“The effects of chronic, low-level exposures to pesticides on the nervous system are less well understood, but considerable evidence of neurodevelopmental toxicity arising from chronic, low-level exposure in gestational or early postnatal life is accumulating.” From *EPA Recognition and Management of Pesticide Poisoning*, page 214.

From the same EPA Publication regarding Chronic Effects in School-Age Children:
“A rapidly increasing body of research associates pesticide exposure with behavioral disorders including Attention Deficit and Hyperactivity Disorder (ADHD) and autism spectrum disorder (ASD), which manifests in preschool and school-age children.” Page 216.

DISCLOSURE IS NEEDED

The Statewide Water Sampling Project is an excellent example of why information clearly identifying where pesticides are being applied, dates and times they are being applied, and the concentration / amount being applied is needed. The current “Good Neighbor Program” on Kauai is not really providing very useful information, especially for medical professionals.

Medical professionals need immediate information when a patient presents with an unexplainable condition based on their history and current behaviors. Medical professionals also need to be able to look for potential patterns based on pesticide application near a patient’s home and unexplainable symptoms especially given the emerging research around low-level chronic pesticide exposure— if for no other reason at least to be able to rule pesticide poisoning out.

The fact that pesticide drift moves quickly in the air it is necessary to give pre-notification of pesticide application. The pesticides being sprayed could travel to a school ¼ mile away from the fields within 1 and ½ minutes – too short of a time to take any precautionary actions like closing your windows.

For the people whose homes are only 100’s of feet from these agricultural testing fields their exposures could be almost daily between application drift, pesticide laden windborne dust from the fields and pesticide volatilization from the fields on calmer warmer days.

Hawaii is lagging in protecting citizens from pesticide exposure and in reporting criteria. A California law passed in 1971 requires health providers to report any disease or condition that they know, or have reason to believe resulted from pesticide exposure. If a suspected exposure or pesticide related illness is not reported the health care provider can be fined by the state.

Questions I have:

What studies have been done that show what the effects of combining these pesticides have on humans? Do the chemicals, when mixed either in the tank or in the field, have any additional adverse reactions above those each one individually (like mixing bleach and ammonia)?

What long-term studies have been done that prove low-level long term exposure (like those that students at Waimea Canyon Middle School received) really will not impact them, their off-spring or unfortunately their grandchildren? Atrazine studies have shown some very scary and disturbing outcomes at low levels in frogs – are we sure the same isn't happening to humans?

Do you want to live ¼ mile downwind from and agricultural test field spraying Restricted Use Pesticides up to 4 growing seasons each year? Do you want your children living within a ¼ mile or your grandchildren?

According to the votes by this committee on HB849, the House Agriculture Committee feels that it is the State of Hawaii's responsibility to regulate agricultural activities, please regulate them in a manner that is in the best interest of the people of Hawaii. SUPPORT HB1514 HD1 for the protection of our island residents and the environment we rely on for life.

Respectfully Submitted,
Pat Gegen

Notes regarding sources of information:

EPA Recognition and Management of Pesticide Poisonings – 6th Edition 2013
Electronic version at <http://www2.epa.gov/pesticide-worker-safety>

To read the University of Hawaii 2013 air sampling study google <Kauai stinkweed study> and click on pdf final report.

To read the Hawaii Water Study google <HEER Hawaii Pesticides> or go to <http://health.hawaii.gov/sdwb/files/2014/09/03.Kauai-Water-Quality-Conference-Pesticide-Presentation.pdf>

EPA Worker Protection Standards Revision Information:
<http://yosemite.epa.gov/opei/RuleGate.nsf/byRIN/2070-AJ22#1>

OSHA Permissible exposure limits for chemicals: <https://www.osha.gov/dsg/topics/pel/>

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 7:55 AM
To: AGRtestimony
Cc: agcaoilinorma@yahoo.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Norma Agcaoili	Individual	Oppose	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 6:59 PM
To: AGRtestimony
Cc: autumnness@yahoo.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
autumn ness	Individual	Support	No

Comments: I strongly support this measure and urge the committee to pass it, keeping the disclosure requirements intact. Our communities deserve to know what is going into their soil, air and water. Other communities around the U.S. and around the world have passed such requirements, without seeing a collapse in local agriculture. Any claims by the chemical companies arguing against disclosure are blatantly false. They are also one more indication about how much they want to avoid telling the public what is going into our soil, air, and water.

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 8:34 AM
To: AGRtestimony
Cc: molokaipeaches@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Alicia	Individual	Oppose	No

Comments: I OPPOSE this bill. It is written to uphold public safety but is more targeted to large agricultural companies and farms. There is contradictory phrases throughout the document and it "beats a dead horse" since the entities it is trying to block are already following strict RUP certifications and procedures to keep the public safe. The safety issue is where the MAJORITY of RUP's are used and contaminating the environment- residential, urban areas! DO NOT PASS THIS BILL!! It is ridiculous and is wasting your time.

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onishi3 - Timothy

From: Dana Allen <danamauisaori@gmail.com>
Sent: Wednesday, February 18, 2015 9:26 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Dana Allen

Haiku, HI 96779

onishi3 - Timothy

From: Kathleen Baytos <baytos@me.com>
Sent: Tuesday, February 17, 2015 9:57 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Kathleen Baytos

Youngstown, OH

Supports of buffer zones around schools and sensitive areas include concerned parents, teachers and administrators, nurses, doctors and hospital staff, and people who have concerns about the health and wellbeing of our community and our environment.

Opponents of buffer zones include large landowner that leases land to the chemical companies, and the chemical companies themselves, both who have financial reasons to “protect” their industry.

To those who hold this very important kuleana in their hand;

Mai Hawai`i a i Ni`ihau, mai ka nu`u `o Kawainiki, Aloha mai kakou.

My name is Tita Kuhaulua I am the daughter of Benjamin and Tracy Kuhaulua of Anahola Kaua`i. I am the third eldest of seven kids. We were all born and raised on the island of Kaua`i. I also have four children of my own, Kahiapo, Lilinoe, Makana`ano`i and Nipe`a.

I am writing you today in SUPPORT of bill HB 1514.

I am not in support in any open field testing that includes but is not limited to the use of huge amounts of pesticides, due to the proven fact of the highly dangerous results of being exposed to such harmful chemicals. However that is not the fight I am fighting today.

I do believe that although bill HB 1514 is just a stepping stone to protecting our children and their childrens, children, I am here to be sure that this stepping stone will be firmly rooted where it needs to be.

I beg you all to take in full account of the devastating results that may happen if we do not decide to place this bill in effect and really look into the harms of allowing nothing to be done about this issue.

I believe strongly that bill HB 1514 will help keep our children and kupuna and aina a little safer.

From my `ohana to you, from my unborn children, grandchildren and future generations, I humbly ask for your complete attention to this matter and fulfilling the obligation you took when you decided to be in office, to protect the people and land of this place that we are all blessed to call home.

Mahalo nui

Tita Kuhaulua and `ohana

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 7:12 PM
To: AGRtestimony
Cc: haikustyle@aol.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
elise Garrigue	Individual	Comments Only	No

Comments: I urge the committee to pass this bill WITH DISCLOSURE REQUIREMENTS INTACT. Mahalo .

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 12:53 PM
To: AGRtestimony
Cc: robert@hawaii-sustainable.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Robert Bence	Hawaii Sustainable Farms LLC	Support	No

Comments: Aloha, Like most farmers of food, we do not use any pesticides and have remarkably high yields due to our cooperation with the USDA NRCS conservation practices. Freedom in our great nation is supposed to end when the freedom of one violates the freedom of another. The freedom to grow GMO or spray restricted use pesticides directly violates this god given right, recognized by our state and federal constitutions, for others to be free from the impact of those activities. That is why the Farmer's Union policy on GMO is that it should not be allowed outside of the laboratory. The Farm Bureau has been ignoring the wishes of its members to regulate GMO and RUP and many farmers have left the organization as a result. It is the very least our state can do to join with the majority of other states and provide buffer zones around the most vulnerable populations. How many cases like the incident in Waimea Canyon school are we willing to accept? As farmers, we can assure you that the use of restricted use pesticides or genetically modified organisms is completely unnecessary. The testimony of Hawaii's only pediatric neurologist in support of HB 1514 is a good reason to pass this very modest bill. Less than one percent of Hawaii's farmers would be impacted and they are mainland chemical corporations not local farmers. They should not be allowed to impact any neighbors. Please pass HB 1514 to at least somewhat help protect our state's most vulnerable citizens. Mahalo

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 2:59 PM
To: AGRtestimony
Cc: gurushabd@hotmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
gurushabd khalsa	Individual	Support	No

Comments: Please support this bill. Kids deserve to be protected. I strongly support this bill.

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FEBRUARY 19, 2015
HEARING BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE
TESTIMONY ON HB 1514, HD 1
RELATING TO PESTICIDES
ROOM 312
8:30 AM

Aloha Chair Tsuji, Vice Chair Onishi, and Members of the Committee,

I **strongly oppose HB 1514, HD 1**, which requires mandatory disclosure and notification of outdoor pesticide use by specified schools, child care facilities, early childhood education and care facilities, family child care homes, group child care centers, group child care homes, and commercial agricultural entities.

This bill sets up a new, unfunded, and arbitrary State pesticide use system to replace decades of U.S. EPA and Hawaii Department of Agriculture expertise. Registering a pesticide is a science based process which encompasses a 5-10 year process of research and evaluation. Law dictates that the US EPA must first determine that no harm will result from legal use of a pesticide before registering that product. Once federally registered, the Hawaii Department of Agriculture conducts numerous reviews to ensure compliance with state law and Hawaii specific environmental concerns. Both the federal and State government dictate how each pesticide is used and what notification, worker protection, buffers, and recordkeeping are required.

HB 1514 will take farm land out of production, increase costs, and make it even more difficult to farm in Hawaii.

An alternative House bill is also being heard this morning, HB 504. It presents an opportunity to increase funding and expand the authority of the Department of Agriculture Pesticide Branch. That bill will enhance the ability of the agency with expertise in this area to address pesticide concerns and ensure public safety while allowing agriculture to remain viable in Hawaii.

Please oppose HB 1514, HD 1.

Mahalo,

Rodney J. Chin

956 Makaala Drive

Wailuku, Hawaii 96793-9441

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 9:29 AM
To: AGRtestimony
Cc: jkimof@msn.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
james Kimo Falconer	Individual	Oppose	No

Comments: Members of the Committee, Please oppose this measure. Hawaii Ag is already in strong compliance within federal law governing Ag pesticides. Buffer zones directly impacts small farmers who happen to be situated near roads, schools etc. This law assumes that farmers deliberately misuse pesticides and practice outside the label. This law puts undue pressure on Ag and pushes Hawaii further away from being able to produce its own food supply. James K. Falconer President, MauiGrown Coffee, Inc.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 17, 2015 1:41 PM
To: AGRtestimony
Cc: rangien2010@yahoo.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/17/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Puanani Rogers	Ho`okipa Network - Kauai	Support	No

Comments: I testify in strong support of this measure. Its all about how much we aloha our `aina and wish to keep it free of pesticides. Its all about our children and na kupuna, who are breathing the toxins that are air borne and spreads throughout the island community! It must be stopped completely, but its okay, we will accept buffer zones as a first step. Pesticide is genocide to many of us! Please vote a strong yes for HB 1514! Mahalo a nui, Puanani Rogers o Kaua`i

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LATE

onishi3 - Timothy

From: Kanani Alapa <Kananime@gmail.com>
Sent: Thursday, February 19, 2015 9:10 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Kanani Alapa

Kapaa, HI 96746

LATE

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 19, 2015 7:43 AM
To: AGRtestimony
Cc: cambrose@beihawaii.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/19/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Carolyn Ambrose	Individual	Oppose	No

Comments:

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LATE

onishi3 - Timothy

From: Beth Young <Bethymorris@gmail.com>
Sent: Wednesday, February 18, 2015 10:15 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Beth Young

Haleiwa, HI 96712

LATE

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 5:49 PM
To: AGRtestimony
Cc: brabe88@hotmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Blake	Individual	Oppose	No

Comments: I strongly oppose this bill. Do not let people unfamiliar with agriculture make the rules about agriculture

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LATE

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 5:25 PM
To: AGRtestimony
Cc: tab@mac.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Todd Blume	Individual	Support	No

Comments: Support HB1514. Think about your own children, mother, or grandmother. Would you want them exposed to these pesticides? Be responsible and make the companies using these pesticides be responsible too.

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From: Josephine Bonaparte <joi@airservicehawaii.com>
Sent: Wednesday, February 18, 2015 9:57 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Josephine Bonaparte

Kilauea, HI 96754

LATE

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 9:50 PM
To: AGRtestimony
Cc: amybrinker@mac.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Amy Brinker	Individual	Support	No

Comments:

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LATE

From: tiffaney brooke <Tiffaney.brooke@yahoo.com>
Sent: Wednesday, February 18, 2015 2:02 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

tiffaney brooke

kihei, HI 96753

LATE

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 9:18 PM
To: AGRtestimony
Cc: farmfreshhawaii@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Juanita Kawamoto Brown	Individual	Support	No

Comments: Aloha Chair Tsuji and esteemed members of the committee, I strongly support HB 1514 and greatly encourage this committee as well as all legislators to pass this legislation. The need for the protection of our people is a number one priority. The accountability of the large commercial farms who have clearly neglected their responsibilities to Hawaii's people borders criminal liabilities. The people of Hawaii cannot continue to suffer from this lack of public safety. The request for the protection of our children and kupuna are crucial. Do not deny the public the right to know! Please pass this bill. Mahalo for the opportunity to testify.

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LATE

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 1:30 PM
To: AGRtestimony
Cc: info@courtneybruch.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Courtney Bruch	Individual	Support	No

Comments:

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From: Grace Caligtan <graceintelligence@gmail.com>
Sent: Thursday, February 19, 2015 7:42 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Grace Caligtan

Honolulu, HI 96817

LATE

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 19, 2015 8:52 AM
To: AGRtestimony
Cc: carl.campagna@kamakagreen.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/19/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Carl Campagna	Individual	Support	No

Comments:

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From: Aaron Carvalho <islandboy20202001@yahoo.com>
Sent: Thursday, February 19, 2015 8:46 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

LATE

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Aaron Carvalho

omao, HI 96756

onishi3 - Timothy

LATE

From: Imelda Castro <icastro@beihawaii.com>
Sent: Thursday, February 19, 2015 7:29 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Imelda Castro

Makawao, HI

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 6:28 PM
To: AGRtestimony
Cc: cmevange@umich.edu
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*



HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Christian	Individual	Oppose	No

Comments:

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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onishi3 - Timothy

From: Brian Corcoran <brian.patrick.corcoran@gmail.com>
Sent: Wednesday, February 18, 2015 7:22 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones



Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Brian Corcoran

Haleiwa, HI



From: mailinglist@capitol.hawaii.gov
 Sent: Wednesday, February 18, 2015 9:40 PM
 To: AGRtestimony
 Cc: ned.dana@rare-dear.com
 Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Edmund Dana	Individual	Support	No

Comments: Dear Chair Lee and Members of the Committee: Thank you for the chance to submit testimony for HB 1514, which I strongly support. I am writing as a 25-year citizen of Kauai, one of thousands of people here who's very real concerns on these important issues are being crushed by corporate money and influence. It does not take a lot of careful analysis to realize what is going on here, and we have all seen the same tactics played out by the tobacco industry in their attempts to hold on to their profits in a doomed industry. As recently reported by NPR, 20% of all deaths in the U.S. are related to smoking. This is clearly an unacceptable risk promoted by the corporate interests involved over the last century. The abuse of pesticides was identified by Rachael Carson when I was a child. Thanks to her efforts, the dangers of DDT were finally realized and the quantities used have been drastically reduced, at least in the "1st world" countries. The new chemistries used and promoted by the multi-national corporations of today are for more sophisticated, but they cannot prove they are safe. In fact there is a rapidly growing body of evidence showing that these modern techniques are neither safe, nor as helpful as promised by those who stand to profit there from. Let me be clear, I am totally in support of agriculture here in the Islands. However, I do NOT include the activities of the large, globally dominating chemical companies here in Hawaii as part of that support. I want to see farmers here growing food, especially for local consumption. We must have it for our security here in the middle of the Pacific and in an ever more troubled world. If you have taken contributions from the powers that are pushing poisons onto our Islands and around our Keiki, I ask you to turn away from their influence and do what is pono for Hawaii and her people in the long term, not what will make Monsanto, Pioneer, Dow, BASF, and friends the most profits in the near term. At the very least, limit pesticide exposure in critical areas with meaningful buffer zones. Please pass this important bill. Mahalo, Edmund Dana 3644 Lawaiuka Road P.O. Box 289 Lawai, HI 96765

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 10:18 PM
To: AGRtestimony
Cc: dawn@molokaivoice.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Dawn Bicoy	Individual	Oppose	No

Comments: Honorable Chair Tsuji and Respected Committee Members, As a woman involved and dedicated to the long term success of Hawaii’s agriculture, I stand in STRONG OPPOSITION to this measure and respectfully request you not pass this bill. This measure is an assault on farmers and belittles the rich history and heritage of our Hawaii Agriculture Community. If the proponents of this measure are truly concerned about pesticide safety and volume of use, then a comprehensive look at all pesticide usage should be explored and meaningful policy crafted based on facts supplied by our state agencies, and widely accepted scientific data from other credible experts. If we are to grow our agricultural sector in Hawaii, placing these types of meaningless restrictions on our farmers is sure to have the opposite effect. Mahalo for your time and consideration.

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LATE

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 12:43 PM
To: AGRtestimony
Cc: mday@hcsugar.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Michael Day	Individual	Oppose	No

Comments:

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Testimony *Dow AgroSciences*, Adolph Helm
P.O. Box 339, Hua'ai Road
Hoolehua, HI 96729

LATE

COMMITTEE ON AGRICULTURE

Rep. Clift Tsuji, Chair
Rep. Richard H.K. Onishi, Vice Chair

Thursday, February 19, 2015
8:30 a.m. Conference Room 312
State Capitol, 415 South Beretania Street

HB 1514 HD1: Environmental Protection; Pesticides; Disclosure; Butter Zones; Penalties

POSITION: OPPOSE

Aloha Chair Tsuji and Vice Chair Onishi and Fellow Committee Members;

My name is Adolph Helm a generational Molokai Homestead farmer and currently project lead for Mycogen Seeds Molokai. On behalf of the Dow AgroSciences (DAS) seed farm operations in Hawaii; I would like to express our opposition to HB 1514 as written. Between our Molokai and Kauai operations we have been operating in Hawaii for well over 20 years.

Ten of our seed company employees are licensed private applicators of restricted pesticides. They are well trained at a professional level to apply both general and restricted use pesticides properly and within the regulatory framework governing pesticide use. DAS also uses pest control technologies in an Integrated Pest Management program, which means we make decisions that use the right pest control tool for the job in a manner that minimizes risk from those uses.

DAS Hawaii applies pesticides to their crops if other methods of controls fail and utilizes effective state of the art spray equipment that specifically targets the damaging pest and minimizes drift to the applicable field. Pesticides are very expensive and we use them judiciously as well as cautiously.

We are committed to the stewardship of pest control products and the protection of the environment, our workers and our community. The specific conditions of use of a pesticide product are subject to the legal requirements of that product label, including science-based restrictions developed under the authority of the U.S. Environmental Protection Agency and the Hawaii Department of Agriculture. Those legal restrictions on use are science based. We are very careful in how and when we use pesticides.

HB 1514 would require sweeping obligations on yet to be identified pesticide users beyond the current, comprehensive requirements. These new obligations are arbitrary in nature and in our opinion would erode a fact-based system specifically designed to protect humans and the environment. In addition DAS recognizes the difficulties and challenges confronting Hawaii agriculture today and respectfully ask that you consider opposing this bill as written.

Mahalo

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 11:11 PM
To: AGRtestimony
Cc: lance.duncan@live.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM



HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Lance Duncan	Individual	Support	No

Comments: Thank you for the opportunity to testify. this is just common sense to provide a zone of protection and to be informed as to what chemicals are being used. please approve. thank you. L. Duncan Pahoa, HI

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From: Michael Durkin <docdurkin@yahoo.com>
Sent: Wednesday, February 18, 2015 10:25 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Michael Durkin

Oakland, CA 94618

LATE

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 19, 2015 7:38 AM
To: AGRtestimony
Cc: dylanhooser@hotmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/19/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Dylan	Individual	Support	Yes

Comments: Aloha, My name is Dylan Hooser, 33 years old, born and raised on Kaua'i. I am submitting my testimony today in support of HB1514 requiring disclosure and buffer zones relating to Restricted Use Pesticides. While the media likes to convolute the issue with GMO's, for me its about pesticides. The very large amounts of Restricted Use Pesticides (up to 18 tons a year) being sprayed in my community daily, weekly, monthly, and yearly. It is about not being able to ask what someone is spraying next door to your home over 200 days out of the year. Ultimately, it is about the long lasting effects these chemicals will have on our community and our fragile ecosystems. We need to take steps now to protect our resources for the future generations to come. The users of these chemicals are spraying these pesticides in very close proximity to schools, homes, and hospitals. When asked what they are spraying they refuse to tell us. Disclosure and buffer zones are basic requests that our community is asking for. Please join me and others in my community in supporting HB1514.

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From: Eloise Engman <pualeafarm@hawaiiantel.net>
Sent: Wednesday, February 18, 2015 1:50 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Eloise Engman

Haiku, HI 96708

From: Heidi Erhardt <Heidielana@yahoo.com>
Sent: Thursday, February 19, 2015 9:44 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM



I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Heidi Erhardt

Haiku, HI 96779

From: Susan Faith Rubin <sueraibowskies@yahoo.com>
Sent: Thursday, February 19, 2015 10:56 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

LATE

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Susan Faith Rubin

Kilauea, HI 96754

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 6:01 PM
To: AGRtestimony
Cc: finley_michele@yahoo.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

LATE

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
michele finley	Individual	Oppose	No

Comments:

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From: Angelica Friedmann <bisonian808@yahoo.com>
Sent: Thursday, February 19, 2015 8:22 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM



I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Angelica Friedmann

Waialua, HI 96791

From: Pamela Gardener <pamilaelle@gmail.com>
Sent: Wednesday, February 18, 2015 6:41 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Pamela Gardener

Koloa, HI 96756

From: Nayeva Pajot Gendron <nayeva1@gmail.com>
Sent: Thursday, February 19, 2015 8:33 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM



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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Nayeva Pajot Gendron

Kapaa, HI 96746

onishi3 - Timothy

From: Howard Hall <hhall@hpa.edu>
Sent: Thursday, February 19, 2015 9:34 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones



Aloha Chair Tsuji and Committee Members,

I totally SUPPORT HB 1514. Most who oppose this bill have not read it or are deliberately distorting the facts and using scare tactics. Big Agriculture is generally NOT good stewards of the land. The small local farmer is more in tune with the land. Big Ag will rape the land and then move on leaving locals to deal with the destroyed soil left behind.

Mahalo

Howard Hall

Kamuela, HI

onishi3 - Timothy

LATE

From: Robin Hammerquist <Lovinitmaui@gmail.com>
Sent: Wednesday, February 18, 2015 1:12 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones

Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Robin Hammerquist

Kihei, HI



We Grow 93% of Hawaii Island Agriculture Crops

~ 625,000 acres of land in production ~ \$194 Million in Revenue ~

TESTIMONY BEFORE THE HOUSE COMMITTEE ON AGRICULTURE

FEBRUARY 19, 2015 at 8:30AM in Conference Room 312

Founding Association Members

Hawaii Papaya Industry
Association (HPIA)

Hawaii Cattlemen's Council

Big Island Banana Growers

Hamakua, Hilo & Kohala Farm
Bureau Counties

Hawaii Floriculture & Nursery
Association

OPPOSITION TESTIMONY ON HB 1514

Aloha Chair(s) and Committee Members,

My Name is Lorie Farrell, I am the Project Director for Hawaii Farmers and Ranchers United, Mahalo for allowing us to testify on this matter.

Farmers are land stewards and we understand firsthand the need for crop protection methods and pesticides. Our children attend local schools, our ohana is important to us and We are members of our communities; We do no harm.

Everyone, including our keiki deserve a healthy environment which means everyone upstream is responsible for providing healthy environmental health. That takes an entire ground crew of skilled people working together to protect our communities and keiki. Farmers and agriculture is not the enemy, we feed and sustain Hawaii. We are one part of a skilled ground crew that helps protect environmental health.

Just as Americans rely on a ground crew at the airport to make sure they can land safely without having to do it themselves, we all rely on an "environmental health ground crew" that studies our environment and how it might affect our health. The environmental health field makes sure our air, water, food, and housing supplies are safe for us all. No one can do this alone. It requires skilled professionals who are trained to go upstream and see what problems we are being exposed to, and figure out ways to protect us from unhealthy environments. This is the work that our public health agencies & Dept. of Agriculture need to do—and need funding to do. Concern is not enough to protect people; we have to support and invest in the ground crew of environmental health. Targeting or dividing one upstream industry as this bill does and ignoring the others is not the recipe to build healthy sustainable communities.

ACTIVISTS GROUPS HAVE TARGETED FARMERS WITH ANTI-PESTICIDE LEGISLATION
NO FACTS = NO FARMERS = NO FOOD

WE STRONGLY OPPOSE HB1514

-- *We Feed Hawaii* --

LATE

- All pesticide and product use labels already address public and environmental safety through mandated requirements, precautions and setback, all of which are already enforceable by state and federal law. Pesticides undergo years of study and tests based on scientific research to reduce risk and ensure health and safety for everyone and the environment. The average time frame to obtain a pesticide label is 12 years and a cost of \$150 to 250 million dollars; this is due to the strict guidelines required by the EPA.



[Obtain more information on the Process here.](#)

- These bills have been developed and promoted by national anti-pesticide /agriculture organizations like Center for Food Safety and PANNA. The intent of these national well- funded groups is to make growing genetically modified crops in Hawaii as difficult as possible, and has less to do with concerns about their use of pesticides. The unintended consequences of which is Hawaii’s farmers and ranchers are being squeezed of their hope and were forced to defend ourselves on multiple levels.
- These groups have misled the public and lawmakers by saying similar laws have been adopted across the country, in “33 states”. This is false! Very few states have laws that contain ANY of the provisions that are in these bills. Integrated Pest Management (IPM) requirements in schools and on school property has nothing to do with the application of pesticides on agricultural lands.
- Appropriately – schools have the responsibility of ensuring the health of students by ensuring pesticides are used appropriately. The recent incidents at schools in Waipahu, Ewa Beach and Hawaii Kai did NOT involve farmers, but were the result of improper use by neighbors.
- We support SB 734 because we believe that a strong state pesticide regulatory program is essential to assuring the public that these valuable pesticide products are used properly. If lawmakers are sincere about addressing public safety, support the pesticide branch of the Dept. of Ag.

Good public policy should be based on facts. To accurately assess the merits of any bill and value to public health and safety, the facts must be taken into consideration. This is an excellent opportunity to not only understand the actual risks posed by the use of pesticides, but to educate the public on those risks. We respectfully oppose this measure.

Thank you...

-- *We Feed Hawaii* --

LATE

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 1:26 PM
To: AGRtestimony
Cc: kamiyak002@hawaii.rr.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Kenneth Y. Kamiya	Hawaii Papaya Industry Association	Oppose	Yes

Comments: I strongly oppose HB1514 because it acts as a terrible disincentive for farmers in Hawaii. Farmers are being over regulated to the point that it is almost not worth to farm.

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From: Wynnie Hee <anthuriumz@hotmail.com>
Sent: Wednesday, February 18, 2015 3:14 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM



I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Wynnie Hee

Mililani, HI 96789



From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 19, 2015 7:35 AM
To: AGRtestimony
Cc: henasgodbey@aol.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/19/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Carrie Henas	Individual	Support	No

Comments: I live on the Island of Kauai and am concerned about the safety of our Island. I want these protection and buffer zones to be established for the Schools and residences of the people near these areas where Spraying and testing is being done by these big chemical companies. I have read about the lack of research being done into the dangers. It seems that just money is the issue instead of the Welfare of the People of Kauai and the land. I am also buying only none GMO products because of this lack of labeling and that the Companies are even fighting this is to me proof they are hiding the truth of the dangers of their experiments. I do not want our Island and People to be their Guinea Pigs. I think this Bill is a step in the right direction...Sincerely Carrie Henas from Lihue

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Hawaii Floriculture and Nursery Association

Testimony for the Twenty Eighth Legislature, 2015
State of Hawaii

LATE

COMMITTEE ON AGRICULTURE
Rep. Clift Tsuji, Chair
Rep. Richard H.K. Onishi, Vice Chair

THURSDAY FEBRUARY 19, 2015
8:30 A.M.
Conference Room 312
State Capitol
415 South Beretania Street

A bill for an act

HB 1514, HD1 RELATING TO ENVIRONMENTAL PROTECTION.

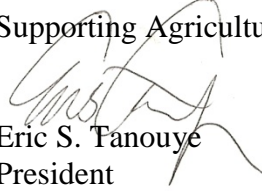
My name is Eric S. Tanouye and I am the President for the Hawaii Floriculture and Nursery Association. HFNA is a statewide umbrella organization with approximately 300 members. Our membership is made up with breeders, hybridizers, propagators, growers, shippers, wholesalers, retailers, educators, and the allied industry, which supports our efforts in agriculture.

HFNA **OPPOSES** HB1514, HD1. HFNA understands the need to apply pesticides in a safe manner but this bill focuses on pesticide usage by farms as currently being unsafe. Hawaii's Farmers and Agriculture need to be able to use pesticides and crop protection practices to be able to grow crops and they become licensed pesticide applicators to make sure it is done correctly.

The bill seems to be based on several incidences of odors at Hawaii schools, which were found to not be caused by farmers. It is important that everyone know how to use pesticides in a safe and it should be noted that the schools themselves and their residential neighbors must use caution and apply pesticides properly. We should not just lay the blame on agriculture.

We request that you **OPPOSE** HB1514,HD1 and support Hawaii's agriculture. If you have any questions at this time, I would be happy to discuss them and can be reached by phone at 808-959-3535 ext 22, cell 960-1433 and email eric@greenpointnursery.com.

Supporting Agriculture and Hawaii,


Eric S. Tanouye
President
Hawaii Floriculture and Nursery Association

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 11:55 PM
To: AGRtestimony
Cc: thedocs@aloha.net
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

LATE

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
PaulHuber	Hole in the Mountain Farm	Oppose	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 11:11 PM
To: AGRtestimony
Cc: wadenokaoi@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM



HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Wade Holmes	Individual	Support	No

Comments: I strongly support HB1514 and urge that the disclosure requirements remain intact.. This is a commons sense bill and a way for our leaders to show that they are in office to protect the people and land, not the financial interests of these corporations. Do the right thing.

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COUNTY COUNCIL

Mel Rapozo, Chair
Ross Kagawa, Vice Chair
Mason K. Chock
Gary L. Hooser
Arryl Kaneshiro
KipuKai Kualii'i
JoAnn A. Yukimura



OFFICE OF THE COUNTY CLERK

Ricky Watanabe, County Clerk
Jade K. Fountain-Tanigawa, Deputy County Clerk

Telephone (808) 241-4188
Fax (808) 241-6349
Email cokcouncil@kauai.gov

Council Services Division
4396 Rice Street, Suite 209
Lihue, Kauai, Hawaii 96766

LATE

February 18, 2015

**TESTIMONY OF GARY L. HOOSER
COUNCILMEMBER, KAUAI COUNTY COUNCIL
ON**

HB 1514, HD1, RELATING TO ENVIRONMENTAL PROTECTION

**Committee on Agriculture
Thursday, February 19, 2015
8:30 a.m.
Conference Room 312**

Dear Chair Tsuji, and Members of the Committee:

My name is Gary L. Hooser and I presently serve on the Kauai County Council. I am here today testifying as an individual Councilmember in strong support of HB 1514, HD1, Relating to Environmental Protection.

HB 1514, HD1, mandates disclosure and notification of outdoor pesticide use on school grounds, mandates disclosure and notification of commercial agricultural pesticide use, and further creates pesticide buffer zones for locations defined as sensitive areas.

Suggested Amendments:

1. The threshold amount I would suggest would be 5 lbs. or 15 gallons of any Restricted Use Pesticide (RUP) purchased or used. I would also recommend buffer zones of ¼ mile or a minimum of 1,000 ft.
2. In terms of wind speed, I am less familiar with this element of the recommendation, but would recommend 5 mph or less depending on the label requirement, whichever is more restrictive.
3. The annual disclosure report should be provided to those living and working in sensitive areas, as well as medical doctors, in addition to the department.

There is no question in terms of scientific studies that pesticides in general, but especially Restricted Use Pesticides, have the potential to cause great harm to health and the environment.

Chair Tsuji & Members of the Committee on Agriculture
Re: HB 1514, HD1, Relating to Environmental Protection
February 18, 2015
Page 2

Our research on Kaua'i shows that while a handful of very large companies use large amounts of Restricted Use Pesticides on a regular basis, most regular farmers use very little – focusing instead on the application of only general use pesticides.

On Kaua'i, we found these companies utilizing 22 different types of Restricted Use Pesticides, many of which are banned in other countries. We also discovered these same companies experimenting with pesticides and using them in amounts that far exceeded national norms.

Please see the attached file entitled "9 Most Frequent Misstatements Made by Chemical Companies in Hawai'i." The electronic version contains links to the source documents and can be found at <http://tinyurl.com/9Misstatements-02-04-15>.

It is without question that pesticides are harmful and they should not be applied in sensitive areas adjacent to homes, hospitals, schools, and waterways.

Full disclosure is an essential element that must also remain included with HB 1514, HD1, as without full disclosure, the public is not able to avoid the areas being treated and they do not know when to shut their windows. When they seek medical attention for exposure to pesticide drift, the attending physician has no idea as to the impacts of the exposure as they do not know what chemicals were applied or when.

It is also without question that we as a community cannot determine the extent or degree of risk without further studies. Those studies are not possible without full and public disclosure of the types, amounts, and location in which these chemicals are applied.

Thus, the need for full disclosure plus strong buffer zones are clear and I urge the Committee on Agriculture to vote in full support of this measure. Should you have any questions, please feel free to contact me or Council Services Staff at (808) 241-4188.

Sincerely,



GARY L. HOOSER

Councilmember, Kaua'i County Council

AB:mn
Attachment

9 MOST FREQUENT MISSTATEMENTS MADE BY CHEMICAL COMPANIES IN HAWAII

1) CHEMICAL COMPANIES: "All of these chemicals and pesticides have been tested and found to be safe when used according to the label."

THE TRUTH:

- No one has ever tested the combined impacts of these chemicals over time in the communities in which they are being used.
- Many of the chemicals (including Atrazine; Paraquat, also known as Gramoxone; and Chlorpyrifos, also known as Lorsban) that are regularly used near Hawai'i homes, schools, and hospitals are banned in other countries.
- Atrazine, manufactured by Syngenta, has been banned in the European Union since October 2003. See also Paraquat bans and Chlorpyrifos bans.
- The American Academy of Pediatrics' "Pesticide Exposure in Children" (2012) specifically recommends disclosure and buffer zones, and offers strong cautions about pesticides and children.
- The American Cancer Society's "Increased Cancer Burden Among Pesticide Applicators and Others Due to Pesticide Exposure" (2013) states definitively that people who live and work around agricultural areas that have high pesticide use suffer a greater incidence of certain cancers and other medical problems.
- The University of California at Davis recently released a report, "Neurodevelopmental Disorders and Prenatal Residential Proximity to Agricultural Pesticides: The CHARGE Study" (2014), linking the long term use of Glyphosate to the increased incidence of autism.
- Restricted Use Pesticide (RUP) labels forbid their use in conditions which allow the pesticides to drift onto neighboring properties. Nevertheless, there are numerous incidents of drift occurring in Hawai'i, with no legal consequences for the companies. The attached links of two modest studies on Kaua'i indicate that while the quantities are small, Restricted Use Pesticides are drifting into neighborhood schools and into adjacent streams:
 - "Air sampling and analysis for pesticide residues and odorous chemicals in and around Waimea, Kaua'i" (March 15, 2013)
 - "2013-14 State Wide Pesticide Sampling Pilot Project Water Quality Findings" (May 2014)

2) CHEMICAL COMPANIES: "We use less pesticides, not more."

THE TRUTH:

Despite the fact that no other farmer in Hawai'i uses anything close to what these chemical companies use, the chemical companies attempt to compare apples to oranges:

- The chemical companies compare themselves to conventional corn growers (who harvest one (1) crop growing cycle per year). In Hawai'i, the chemical companies are engaging in industrial and experimental agriculture, and planting three (3) or more crop growing cycles per year. See the non-confidential records obtained in the lawsuit by Waimea, Kaua'i residents against Pioneer Hi-Bred International, Inc.

9 MOST FREQUENT MISSTATEMENTS MADE BY CHEMICAL COMPANIES IN HAWAII

- The chemical companies are experimenting with “Roundup Ready” and other chemical-resistant crops, encouraging greater pesticide use. “Roundup resistance has led to greater use of herbicides, with troubling implications for biodiversity, sustainability, and human health.”
- The *Cascadia Times* reported: “Our investigation found that annualized pounds-per-acre usage of the seven highly toxic pesticides on Kaua‘i was greater, on average, than in all but four states: Florida, Louisiana, North Carolina and Indiana.”
- According to Kyle Smith, an attorney representing Waimea Residents in their lawsuit against DuPont Pioneer, during the August 5, 2013 Kaua‘i Council Meeting regarding Bill No. 2491 (Ordinance No. 960): “Sixty-five percent (65%) of the days of the year on average, so about two hundred forty (240) days, they are applying pesticides. You can look at the combinations that are applied. You could look at it by on the application days, the average is between eight (8) and maybe sixteen (16) applications per day of pesticides on these research fields. Most importantly though and I think what is most relevant for this discussion is the total usage. Recently, the industry statistics I saw put out at the public comment was that Kaua‘i was using about one (1) pound per acre, per season and that the mainland uses about two (2) pounds per acre and I have these charts to show you. Again, I believe it is a seed company graph. The reality is if you double that because we have multiple seasons, we have three (3) seasons. Typically, two (2) seasons are planted, you are looking at closer to two (2) pounds per acre, that puts us in the upper-level of the mainland usage. . . . 2010, 2009 you are looking at close to twelve (12) pounds per acre and the average usage, and this is Restricted-Use Pesticides, over that same time period would be eight (8) pounds per acre.”

3) CHEMICAL COMPANIES: “The information regarding the pesticides we use is already public information.”

THE TRUTH:

- The only State records kept are of Restricted Use Pesticides SOLD in the State of Hawai‘i—NOT the Pesticides USED. Additionally, these records are for RUPs only, not all pesticides.
- The State does not keep records of, and the companies have refused to release any information regarding, the amount of “General Use Pesticides” (such as Glyphosate) that they are using.
- The HDOA will no longer provide company-specific data but only aggregated data, which makes it impossible to determine what chemicals are being used by whom at what geographical location.
- The HDOA has charged hundreds of dollars to provide the data.
- Hawai‘i Revised Statutes 149A-31.2 (Pesticide use; posting online) (2013), mandating that HDOA “shall publish on its website the public information contained in all restricted use pesticide records, reports, or forms submitted to the department” still has yet to be implemented by HDOA.

9 MOST FREQUENT MISSTATEMENTS MADE BY CHEMICAL COMPANIES IN HAWAII

4) CHEMICAL COMPANIES: “We are highly regulated.”

THE TRUTH:

Not really.

- Federal agencies do not always have a Hawai'i presence, rarely conduct on-site physical inspections, and have delegated responsibilities to the States and localities. See also Wisconsin Public Intervenor v. Mortier, 501 U. S. 597 (1991).
- Even though the chemical companies are by far the largest agricultural users of RUPs in the State and operate on over 20,000 acres often adjacent to homes, schools, and sensitive environmental areas, the HDOA infrequently inspects their operations.
 - Approximately 43% of the HDOA inspection log incidents are redacted from public view indicating inspection cases that remain “open” and/or otherwise contain information not available to the public.
 - It takes YEARS to investigate violations and complaints of pesticide drift. See the following:
 - Honolulu Civil Beat, “Does Hawai'i's Failure to Enforce Pesticide Use Justify Action by Kaua'i?” (October 8, 2013)
 - Video of HDOA responses to the Kaua'i County Council during proceedings for Bill No. 2491 (Ordinance No. 960)
 - Licensed physicians on Kaua'i who practice in areas impacted by the chemical companies' operations have expressed that they believe there is 10 times the national rate of certain rare congenital heart defects in newborns.
 - The State birth defects registry until very recently has not been updated since 2005.

5) CHEMICAL COMPANIES: “We only use what every other farmer uses.”

THE TRUTH:

Based on raw Kaua'i data provided by HDOA showing three (3) years of RUPs purchased for use in Kaua'i County – *NO OTHER REAL HAWAII FARMER USES ANYTHING EVEN CLOSE TO WHAT IS USED BY THE CHEMICAL COMPANIES*. Just in 2012, and just on Kaua'i, over 5,477 pounds and 4,324 gallons were purchased by the chemical companies. The chemical companies have used at least 22 different types of RUPs, while regular food farmers use one (1) to possibly three (3) different types and use only a few gallons every few years. Summary data is here.

6) CHEMICAL COMPANIES: “We do not experiment with pesticides.”

THE TRUTH:

- *Bacillus thuringiensis* corn (“Bt Corn”) is considered a pesticide by the United States Environmental Protection Agency (EPA), and experiments with Bt Corn require an “Experimental Use Permit” (EUP) issued by the federal government. See for example here, and here (documents were provided by HDOA with all redactions as shown).

9 MOST FREQUENT MISSTATEMENTS MADE BY CHEMICAL COMPANIES IN HAWAII

- The chemical companies have other federal Experimental Use Permits; however, the total number of experiments conducted with pesticides is not known and public records contain redactions. See for example [here](#), and [here](#) (documents were provided by HDOA with all redactions as shown).

7) CHEMICAL COMPANIES: “The State and County also use large quantities of pesticides.”

THE TRUTH:

- The State and County primarily use general use pesticides such as Roundup for roadside spraying and park maintenance. These products are considered non-RUPs by the EPA and HDOA.
- The State uses very small amounts of RUPs in targeted efforts to fight invasive species.

8) CHEMICAL COMPANIES: “The County of Kaua‘i uses more RUPs than anyone.”

THE TRUTH:

- The only RUP the County uses is chlorine gas to eliminate bacteria in water. Chlorine gas is by definition a RUP but it is not applied in the open air near homes, schools, hospitals, or other sensitive areas. Its application is very controlled and the information pertaining to its use is public.

9) CHEMICAL COMPANIES: “What about golf courses? They use lots of pesticides, too.”

THE TRUTH:

- Reporting of golf course RUP sales on Kaua‘i in 2012 shows only approximately 50 pounds and 20 gallons of RUPs are used annually by all of the golf courses on Kaua‘i combined—compared to over 5,477 pounds and 4,324 gallons used by the 4 chemical companies each year. The raw data is [here](#) and the summary data is [here](#).

- Information provided by Kaua‘i County Councilmember Gary Hooser -

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 11:37 PM
To: AGRtestimony
Cc: jude@kauaisugarloaf.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*



HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Judith Huber	Individual	Oppose	No

Comments:

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19 February 2015

Hon. Clift Tsuji, Chair
Hon. Richard H.K. Onishi, Vice Chair
Committee on Agriculture
House of Representatives
28th Legislature Session of 2015

LATE

Aloha mai Chair and Members:

Supporting HB 1514, HD1, Relating to Environmental Protection

Mahalo for this opportunity to voice strong support for this bill to assure public health and safety for island residents across the State.

No one has the right to endanger public health and safety. It is the obligation of *hoā'āina* to step forward and assure the protection of our community. Thank you for supporting this very thoughtful and sensible bill to extend appropriate precautions in the use of toxic materials where they impact our soils, our water, and the people.

No user of toxic materials should be burdened with determining the appropriate means of use in the interest of protecting public health and safety. This is a public responsibility, and many people have spoken in support of this measure. Now it is required that the Legislature act forthrightly in our behalf.

The amendments to the original bill made by your Committee on Energy and Environmental Protection are well-considered and appropriate. Please support these threshold values.

I recognize that these requirements pose a challenge to enforcement on an everyday basis, and this may require adequate staffing for the Department of Agriculture and the Department of Health, who perennially decry their limitations in pursuing fundamental protections of the public. Despite the fiscal mood of the Governor, poisoning our environment and our people is not an acceptable allowance, and therefore requests for additional staffing need to be given highest priority. Short of that, there need to be accountability for those propose to apply poisons to our environment, and if this is impossible, these activities must halted. ***No one has a right to endanger public health and safety, for economic or other reasons.*** The imposition of economic priorities over public health and safety is unconscionable, and no claims to good intentions suffice.

Mahalo for your consideration of these issues.



Charley Ice
Waimalu, 'Aiea, Puuloa

LATE

From: sandi ioakimi <sioakimi@yahoo.com>
Sent: Wednesday, February 18, 2015 2:52 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

sandi ioakimi

kihei, HI 96753

LATE

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 3:09 PM
To: AGRtestimony
Cc: ChoonJamesHawaii@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Choon James	Individual	Support	Yes

Comments: STRONGLY SUPPORT HB 1514. This is the right thing to do. A clean environment with clean air and clean water is a right we must protect for ourselves and our children and their children.

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From: shane johnson <shanelomilomi@yahoo.com>
Sent: Thursday, February 19, 2015 8:39 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

LATE

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

shane johnson

kapaa, HI 96746

LATE

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 5:11 PM
To: AGRtestimony
Cc: kkamalii@hcsugar.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Kerry Kamalii	Individual	Oppose	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 5:12 PM
To: AGRtestimony
Cc: randy@kauaichamber.org
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Randall Francisco	Kauai Chamber of Commerce	Oppose	No

Comments:

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From: Lorilani Keohokalole <Lorilanikeohokalole@yahoo.com>
Sent: Wednesday, February 18, 2015 7:24 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM



I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Please my children need your HELP!!!!

Lorilani Keohokalole

Anahola, HI 96703

FEBRUARY 19, 2015
HEARING BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

LATE

TESTIMONY ON HB 1514, HD 1
RELATING TO PESTICIDES

ROOM 312
8:30 AM

Aloha Chair Tsuji, Vice Chair Onishi, and Members of the Committee,

I **strongly oppose HB 1514, HD 1**, which requires mandatory disclosure and notification of outdoor pesticide use by specified schools, child care facilities, early childhood education and care facilities, family child care homes, group child care centers, group child care homes, and commercial agricultural entities.

This bill sets up a new, unfunded, and arbitrary State pesticide use system to replace decades of U.S. EPA and Hawaii Department of Agriculture expertise. Registering a pesticide is a science based process which encompasses a 5-10 year process of research and evaluation. Law dictates that the US EPA must first determine that no harm will result from legal use of a pesticide before registering that product. Once federally registered, the Hawaii Department of Agriculture conducts numerous reviews to ensure compliance with state law and Hawaii specific environmental concerns. Both the federal and State government dictate how each pesticide is used and what notification, worker protection, buffers, and recordkeeping are required.

HB 1514 will take farm land out of production, increase costs, and make it even more difficult to farm in Hawaii.

An alternative House bill is also being heard this morning, HB 504. It presents an opportunity to increase funding and expand the authority of the Department of Agriculture Pesticide Branch. That bill will enhance the ability of the agency with expertise in this area to address pesticide concerns and ensure public safety while allowing agriculture to remain viable in Hawaii.

Please oppose HB 1514, HD 1.

Mahalo,

Heather Kikkawa
601 Kuhao Pl.

Kahului, HI 96732

From: robyn kinker <robyn.kinker@gmail.com>
Sent: Wednesday, February 18, 2015 8:55 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

LATE

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

robyn kinker

makawao, HI 96768

LATE

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 10:37 PM
To: AGRtestimony
Cc: waioli2@hawaiiantel.net
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
chris kobayashi	Individual	Support	No

Comments: Aloha Chair and members of the AGR committee. I am a Farmer and in STRong Support of HB1514. There are people saying that this bill is "targeting farmers". This bill is not "targeting" conventional farmers that may or may not use Restricted Use Pesticides. The only ones using the amounts said in the bill are the big agro corporations, not regular farmers! These big corporate users are using the conventional farmers to fight their battles so they can continue to poison our lands with out regulation or disclosure. Is that OK? All of our people in Hawaii are at risk and we all have the right to know. As an elected official, please stand against the political pressure and stand instead for the people and our `aina. As an island community we are all affected so quickly and closely.

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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From: Kimberly Kuahiwinui <Kim.kuahiwinui@gmail.com>
Sent: Wednesday, February 18, 2015 2:52 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Kimberly Kuahiwinui

Mililani, HI 96789

onishi3 - Timothy

From: James Kusakabe <jkusakabe@beihawaii.com>
Sent: Thursday, February 19, 2015 7:54 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones



Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

James Kusakabe

Wailuku, HI

LATE

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 19, 2015 8:04 AM
To: AGRtestimony
Cc: maureenlangberg@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/19/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
maureen Langberg	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
 Sent: Wednesday, February 18, 2015 12:04 PM
 To: AGRtestimony
 Cc: terez.amato@yahoo.com
 Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Terez Amato Lindsey	Individual	Support	No

Comments:

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onishi3 - Timothy

From: Nicole linke <Nlinke@mac.com>
Sent: Thursday, February 19, 2015 6:22 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM



I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Nicole linke

haleiwa, HI 96712

From: Jerrelyn Mahiai <Jerrelynmahiai@yahoo.com>
Sent: Thursday, February 19, 2015 7:44 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

LATE

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Jerrelyn Mahiai

Honolulu, HI 96826

LATE

From: Kaiulani Mahuka <kaigirlsurf@gmail.com>
Sent: Thursday, February 19, 2015 10:44 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Kaiulani Mahuka

Honokaa, HI 96727

FEBRUARY 19, 2015
HEARING BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE



TESTIMONY ON HB 1514, HD 1
RELATING TO PESTICIDES

ROOM 312
8:30 AM

Aloha Chair Tsuji, Vice Chair Onishi, and Members of the Committee,

I **strongly oppose HB 1514, HD 1**, which requires mandatory disclosure and notification of outdoor pesticide use by specified schools, child care facilities, early childhood education and care facilities, family child care homes, group child care centers, group child care homes, and commercial agricultural entities.

This bill sets up a new, unfunded, and arbitrary State pesticide use system to replace decades of U.S. EPA and Hawaii Department of Agriculture expertise. Registering a pesticide is a science based process which encompasses a 5-10 year process of research and evaluation. Law dictates that the US EPA must first determine that no harm will result from legal use of a pesticide before registering that product. Once federally registered, the Hawaii Department of Agriculture conducts numerous reviews to ensure compliance with state law and Hawaii specific environmental concerns. Both the federal and State government dictate how each pesticide is used and what notification, worker protection, buffers, and recordkeeping are required.

HB 1514 will take farm land out of production, increase costs, and make it even more difficult to farm in Hawaii.

An alternative House bill is also being heard this morning, HB 504. It presents an opportunity to increase funding and expand the authority of the Department of Agriculture Pesticide Branch. That bill will enhance the ability of the agency with expertise in this area to address pesticide concerns and ensure public safety while allowing agriculture to remain viable in Hawaii.

Please oppose HB 1514, HD 1.

Mahalo,

Elmer Manuel

704 Pona Way

Kahului, HI 96732

LATE

onishi3 - Timothy

From: Jonia Mariechild <Jonia7@gmail.com>
Sent: Wednesday, February 18, 2015 2:13 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Jonia Mariechild

Paia, HI 96779

From: Ashley Matheny <patzgrl84@yahoo.com>
Sent: Thursday, February 19, 2015 2:50 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Ashley Matheny

marquette, MI 49855

LATE

From: Blake McElheny <blakemcelheny@yahoo.com>
Sent: Thursday, February 19, 2015 5:51 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

Aloha. Hope all is well.

I am respectfully writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

These issues are important State-wide, but especially so in communities like my hometown of the North Shore of Oahu where there are experiments and spraying occurring very near to local schools.

I respectfully urge you to vote Yes on HB 1514.

Thank you for the opportunity to provide testimony.

Blake McElheny

Haleiwa, HI 96712

LATE

From: Autumn miller <Snfire2001@hotmail.com>
Sent: Thursday, February 19, 2015 8:52 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Autumn miller

Kapaa, HI 96746



From: mailinglist@capitol.hawaii.gov
 Sent: Thursday, February 19, 2015 6:48 AM
 To: AGRtestimony
 Cc: misha@hawaii.rr.com
 Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/19/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Michaella McIntcheff	Individual	Oppose	No

Comments: Buffer zones are important. Pesticides are highly regulated but not highly and thoughtfully enough. We need to continue working on this problem which affects our health and eco system in ways that are continuing to come to light. Industry should not dictate what legislature is needed, people should decide, and they have spoken loud and clear.

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LATE

**In Strong Opposition to HB 1514
Relating to Environmental Protection
Pesticide Disclosure, Buffer Zones**

HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION

February 19, 2015, 8:30 a.m. in conference room 312

Aloha Chair Tsuji, Vice Chair Onishi and Members of the Committee,

My name is Bennette Misalucha. I am here in my personal capacity although I do serve as the Executive Director of the Hawaii Crop Improvement Association. Prior to working for HCIA, I have had extensive professional experience in media, banking and government relations for the past thirty years. Outside of work, I am very active in the community; I sit as a volunteer board member for seven non-profit organizations; managing editor of an ethnic paper; was recognized as State Mother of the Year in 2007 by the American Mothers Association, and as one of top ten Women Volunteers by Pacific Business News in 2008. I mention these things, not for self-promotion, but to underscore the point that, like many others in the seed industry, I care about this community and that service is a key guiding principle in our lives.

I have been working with the seed industry for almost two years now, first as a consultant and as Executive director for almost a year. During that time, I have observed the way the seed companies have conducted their business; I have been privy to the care they provide to their employees; I have witnessed their commitment to the community. Believe me, when I say, they are the good guys.

Our member companies are good stewards of the land. They know that land is a finite resource and can only give back when you nurture it. They employ good farming methods, are mindful of water resources and practice integrated pest management: all of these create more sustainable long-term outcomes.

The employees know that safety is number one for their companies. It is cultivated as part of their corporate culture. They all have strict protocols on safety for employees and the environment. And this includes pesticide use. The companies are serious about this because they cannot afford not to be. For a large corporation, they make sure the i's are dotted and the T's are crossed, because of the potential risks to the business.

During the past two years, I have met employees, local folks who are worried about their future and where they would go if the seed companies leave the Islands. I have talked to horticulturists in our farms, who entered this profession fueled by the desire to contribute towards feeding the world, only to be demonized by activists. I have come across many workers, who have been part of a proud farming tradition for three generations, yet they wonder, if agriculture is a legacy they would like to pass on to their children.

In most of the discussions concerning pesticide, the ones that people rarely talk about are the employees. Sure, we ought to be concerned about the neighborhoods near the farms. But with today's state of the art application equipment, and the sophisticated chemistries of these pesticides which break down within minutes, off-site movement is negligible. Think about it: if safety is really a concern, we would have had a mass exodus of employees wanting to leave now. You can debate and offer the argument that they are staying on for the money. But as all of us can attest, no amount of money can compensate if our health is at risk. Their families would be the first ones to pressure them to leave.

But that is not the case. In fact, I have never seen a more committed group of people who want to do what is right, for the community, for their company, for the world.

As you deliberate on the merits of this bill, please consider the science and the fact-based evidence. Please consider the records: how many schools were evacuated because of pesticide use by the seed farms? Zero. How many pesticide infractions have been committed by the seed companies which were cited by the Department of Agriculture? Zero.

As one employee earnestly told me, *“I love Hawaii. Why would I poison my own land?”*

Please hold HB 1514.

Thank you for allowing me the opportunity to testify.

LATE

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 3:15 PM
To: AGRtestimony
Cc: jessicamitchell51@yahoo.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Jessica Mitchell	Individual	Support	No

Comments: Pesticides are proven dangerous to children. Please help protect them and our fragile ecosystem please pass HB1514. Mahalo

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LATE

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 2:39 PM
To: AGRtestimony
Cc: kmontizor@dow.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Kanahele Montizor	Individual	Oppose	No

Comments:

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From: Arika Murphy <Arika.hultquist@gmail.com>
Sent: Thursday, February 19, 2015 9:41 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Arika Murphy

Lahaina, HI 96761



From: William Navran <willsilver@hawaii.rr.com>
Sent: Wednesday, February 18, 2015 6:42 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

William Navran

Makawao, HI 96768



From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 19, 2015 7:33 AM
To: AGRtestimony
Cc: babesagainstbiotech@gmail.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/19/2015

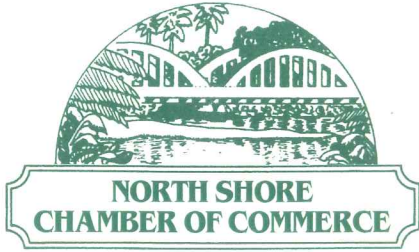
Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Nomi Carmona	Babes Against Biotech	Support	Yes

Comments:

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An Affiliate of
The Chamber of Commerce of Hawaii

66-434 B Kamehameha Highway

Haleiwa, Hawaii 96712

Tel: (808) 637-4558 Fax: (808) 637-4556

E-mail: info@GoNorthShore.org

Website: www.GoNorthShore.org

February 18, 2015

LATE

Aloha Chair and Members of the Agriculture Committee:

Haleiwa Main Street dba North Shore Chamber of Commerce is a nonprofit of over 200 businesses, organizations and residents dedicated to preserving the history, culture and agrarian way of life in the rural part of Oahu. The North Shore has a long tradition of being an agricultural community and we want to keep it that way by working to support our agricultural producers and farmers. Last year we passed a Resolution in Support of Agriculture. It states:

“WHEREAS, we recognize crop protection methods, including pesticides when used according to the label, as important tools for homeowners, gardeners, pest control operators, landscapers, county and state agencies, and many other industries including farming to address pest and disease pressures;” It also states:

“BE IT FURTHER RESOLVED that we urge the State Legislature to fund additional positions within the Dept. of Agriculture, to help protect and enhance Hawaii agriculture, including positions for Agriculture Resource Management, plant and animal industries, marketing, invasive species control, food safety education and compliance, pesticide compliance and pest control;”

This bill unfairly targets farmers and agricultural producers that are helping develop diversified agriculture, a long-standing, stated goal of our state. This bill is the result of a persistent, vocal minority and lobby that will kill farming if it is allowed to prevail. Please stand up to this pressure and instead ensure funding for education of farmers and more Dept. of Ag inspectors. Any legitimate concerns about pesticide use should be addressed by including ALL pesticide users instead of targeting farmers.

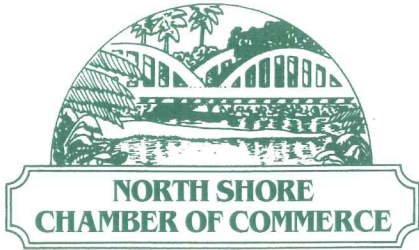
Thank you for your consideration of this testimony.

Sincerely,

Antya Miller,
Executive Director

Attachment (1)

“ We exist to promote, maintain and encourage the historic, cultural, civic and economic welfare of the North Shore District through research, education, advocacy and other related activities. ”



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E-mail: info@GoNorthShore.org

Website: www.GoNorthShore.org

North Shore Chamber of Commerce Resolution Supporting Agriculture

WHEREAS, the area now called the North Shore was known in ancient times as “aina momona” or fattened land and it was the breadbasket of Oahu during King Kamehameha’s time; and

WHEREAS, the City and County of Honolulu’s North Shore Sustainable Communities plan states that “A stable and diverse agriculture industry, which includes crop production, agricultural processing and other support facilities, will play a key role in the region’s economy and in protecting the region’s agricultural lands and open space setting”¹; and

WHEREAS, many people from Honolulu and around the world are attracted to the rural setting and lifestyle of the North Shore, thus possibly creating conflicts between some residents and existing farming operations; and

WHEREAS, we support the collaboration and coexistence of all farming businesses in order to keep the country country and promote diversity in the agricultural community; and

WHEREAS, we support all responsible farming practices including best management practices and integrated pest management programs and encourage farmers to be good neighbors; and

WHEREAS, we recognize that the State Department of Agriculture is the appropriate state agency to regulate agricultural activities; and

WHEREAS, we recognize crop protection methods, including pesticides when used according to the label, as important tools for homeowners, gardeners, pest control operators, landscapers, county and state agencies, and many other industries including farming to address pest and disease pressures; and

THEREFORE, BE IT RESOLVED that the North Shore Chamber of Commerce supports all forms of agriculture on the North Shore (traditional Hawaiian, organic, conventional, biotechnology, aquaculture, hydroponics, livestock, nursery, etc.) and the right of farmers to farm their lands within existing laws such as the Hawaii Right to Farm law; and

BE IT FURTHER RESOLVED that Ag lands be preserved for agricultural purposes for future generations; and

BE IT FURTHER RESOLVED that we encourage the Hawaii Department of Agriculture and the University of Hawaii, College of Tropical Agriculture and Human Resources to provide educational opportunities and Cooperative Extension support to farmers in agricultural practices which foster the sustainable growth of our agriculture sector and food security; and

BE IT FURTHER RESOLVED that the state and county develop appropriate laws, policies and budget allocations to promote vigorous enforcement and prosecution of agricultural theft and vandalism to protect farmers and agricultural businesses; and

“ We exist to promote, maintain and encourage the historic, cultural, civic and economic welfare of the North Shore District through research, education, advocacy and other related activities. ”

BE IT FURTHER RESOLVED that we urge the State Legislature to fund additional positions within the Dept. of Agriculture, to help protect and enhance Hawaii agriculture, including positions for Agriculture Resource Management, plant and animal industries, marketing, invasive species control, food safety education and compliance, pesticide compliance and pest control; and

BE IT FURTHER RESOLVED that the state Water Commission and Board of Water Supply ensure that adequate water resources are allocated to maintain and increase agricultural production to the fullest extent possible and prevent diversion of North Shore water resources to urban development; and

BE IT FURTHER RESOLVED that the County complete the wastewater plant improvements at Wahiawa to prevent any more sewage spills and to expedite the upgrade of Lake Wilson from R2 to R1 with the State's assistance if needed, so that Lake Wilson water can be used for growing all food crops on North Shore Ag lands; and

BE IT FURTHER RESOLVED that the Dept. of Education ensure that there are educational programs and experience in the schools to encourage interest in science, agriculture, and agribusiness and that the Dept. of Labor develop workforce policies for agriculture workers while also addressing agriculture workforce housing; and

BE IT FURTHER RESOLVED that the State and the County develop policies, resources and opportunities for farmers to obtain land for new and existing farmers, while ensuring common-sense land use policies such as expediting affordable, long-term leases to farmers and agricultural producers so that they have a stable environment within which to operate and obtain financing; and

BE IT FINALLY RESOLVED that the Secretary is directed to transmit copies of this resolution to the Governor, Senate, House of Representatives, the Chair of the Dept. of Agriculture, the Mayor, the Chair and members of the City Council, the Water Commission, Board of Water Supply, and UH College of Tropical Ag and Human Resources.

This resolution has been duly discussed, considered, and voted upon in the affirmative by the North Shore Chamber of Commerce Board on September 16, 2014.

Signed 
Executive Director

Signed 
Secretary

Date: September 24, 2014

¹ City and County of Honolulu, North Shore Sustainable Communities Plan, August 2010, Vision for the North Shore, page ES2

² <http://hdoa.hawaii.gov/pi/pest/>

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 19, 2015 8:40 AM
To: AGRtestimony
Cc: joba@beihawaii.com
Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/19/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Joanne Oba	Individual	Oppose	No

Comments:

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From: Richard Oshiro <Richardoshiro@gmail.com>
Sent: Thursday, February 19, 2015 10:45 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM



I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Richard Oshiro

Kapaa, HI 96746



From: mailinglist@capitol.hawaii.gov
 Sent: Thursday, February 19, 2015 12:20 AM
 To: AGRtestimony
 Cc: royama@post.harvard.edu
 Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/19/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Ryan Oyama	Individual	Oppose	No

Comments: This bill purports to protect our keiki from pesticides but fails to do so. Despite the fact that a recent study showed urban Honolulu to have the highest pesticide load and that all of the recent pesticide incidents at Hawaii schools have stemmed from residential misuse of pesticides, this bill only addresses agricultural users. So what is the real intent of this bill? Is it to vote the seed companies off the islands? Further damage Hawaii's reputation as a place to do business? Or is it just political pandering to mainland interests who care not for the future of those of us who actually call Hawaii home? I do not support this bill.

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 3:01 PM
To: AGRtestimony
Cc: tampaltin@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

LATE

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Tamara Paltin	Individual	Support	No

Comments: We need pesticide regulations to keep our children and health care environments free of pesticides that may have harmful effects on developing or recovering bodies. In this past year alone we have witnessed school children sickened by improper pesticide usage please pass this legislation to begin to regulate usage of pesticides here in Hawaii and keep our Keiki safe especially when they are trying to learn. Mahalo

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LATE

onishi3 - Timothy

From: Diane Parker <dianehawaii@hotmail.com>
Sent: Thursday, February 19, 2015 4:25 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Diane Parker

Haleiwa, HI 96712

LATE

From: Johnny Phayakoun <Phayas@hotmail.com>
Sent: Thursday, February 19, 2015 11:27 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Johnny Phayakoun

Honolulu, HI 96826

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 9:21 PM
To: AGRtestimony
Cc: davidsher@juno.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM



HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Sherry Pollack	Individual	Support	No

Comments: I am in strong support of HB1514. Please read Dr. Pager's very thorough testimony on this bill- it provides a detailed assessment as to why we need these protections. She was a very strong advocate for the health of the community. The last thing she did before having a stroke and passing away was to give testimony for this bill. Please honor her memory and her strong advocacy efforts for the betterment of the community and pass this bill.

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 3:07 PM
To: AGRtestimony
Cc: jacqueprell@hotmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM
Attachments: testimony.pages.zip



HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Jackie Prell	Individual	Support	Yes

Comments:

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From: mailinglist@capitol.hawaii.gov
 Sent: Wednesday, February 18, 2015 4:37 PM
 To: AGRtestimony
 Cc: ailynramos06@yahoo.com
 Subject: *Submitted testimony for HB1514 on Feb 19, 2015 08:30AM*

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Ailyn Ramos	Individual	Oppose	No

Comments:

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LATE

From: Roxanne Carvalho <roxanne.k.carvalho@gmail.com>
Sent: Thursday, February 19, 2015 8:45 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Roxanne Carvalho

omao, HI 96756

LATE

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 3:35 PM
To: AGRtestimony
Cc: laurn_rego@hotmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
laurn_rego	Babes Against Biotech	Support	No

Comments: Please pass this important and thoughtful legislation to provide protection for our school children who are unable to speak for themselves. They rely on us as responsible adults to do the right thing. The right thing is to take better precautions to prevent events like those that have occurred in Waimea, Kauai. No child should ever have to experience pesticide drift anywhere but most certainly not at school. Thank you.

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From: Eloisa rieza <Dakine312@yahoo.com>
Sent: Thursday, February 19, 2015 8:52 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM



I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Eloisa rieza

waimea, HI 96796

Committee on Agriculture
Rep. Clift Tsuji, Chair
Rep. Richard H.K. Onishi, Vice Chair



Thursday, February 19, 2015
8:30am, Conference Room 312
State Capitol
415 South Berentania Street

Mercy Ritte
Ho'olehua, Molokai

TESTIMONY IN STRONG SUPPORT OF HB1514 HD1 – RELATING TO ENVIRONMENTAL PROTECTION

Aloha Esteemed Members of the Committee on Agriculture,

My name is Mercy Ritte and I am writing in strong support of HB1514 Relating to Environmental Protection.

As a mother of 3 children I am deeply concerned about the health of my family. Understanding that several local schools across the state are in dangerous proximity to large-scale agricultural operations, the exposure and negative health impacts of pesticides are of grave concern.

Pesticide exposure is of more risk to young children for several reasons; their size, the immense growing and development occurring in their bodies during youth, and the ways in which they interact with the world around them – activities such as placing their hands in their mouth or playing on the grass and ground.^{1,2} Even low-level exposure during fetal,³ neonatal,⁴ and infant life can disrupt critical developmental processes.⁵

¹ National Research Council. 1993. Pesticides in the Diets of Infants and Children. National Academy Press: Washington D.C.

² Roberts J. R. and Karr C. J. 2012. Pesticide Exposure in Children. Council on Environmental Health. *Pediatrics*, 130(6): e1757-e1763. Available at: <http://pediatrics.aappublications.org/content/130/6/e1757.full.html>

³ Rull R. P., Gunier R., Von Behren J., Hertz A., Crouse V., Buffler P. A., and Reynolds P. 2009. Residential Proximity to Agricultural Pesticide Applications and Childhood Acute Lymphoblastic Leukemia. *Environmental Research*, 109(7): 891-899.

⁴ Chevrier C., Limon G., Monfort C., Rouget F., Garlantezec R., Petit C., Durand G., and Cordier A. 2011. Urinary Biomarkers of Prenatal Atrazine Exposure and Adverse Birth Outcomes in the PELAGIE Birth Cohort. *Environmental Health Perspectives*, 119(7): 1034-1041.

⁵ Shelton, JF et al. 2014. Neurodevelopmental Disorders and Prenatal Residential Proximity to Agricultural Pesticides: The CHARGE Study. *Environmental Health Perspective*, 122(10): 1103-1110.

My eldest child spends the large majority of her day at school, where we trust their safety is the key priority. It is crucial that we protect their school environments and their growing bodies from the harmful health effects of pesticide exposure.

Any pesticide can drift beyond the field where it is applied. Spray drift occurs during application, and can move even farther distances by windy conditions. Volatile pesticides like 2,4-D and dicamba are subject to vapor drift, which occurs when previously applied pesticides evaporate from plant and soil surfaces days to months after application,⁶ and is more likely in hot, conditions.

We have already witnessed emergency evacuations and negative health impacts from pesticide drift in near Hawai'i schools.^{7,8} Our children are being exposed. There is no time to waste.

Thank you for your sincere consideration to pass this measure to Protect Our Keiki.

With Aloha, Mercy Ritte

⁶ USGS 2003. "USGS releases study on toxic rainfall in an Joaquin Valley," US Geological Survey, August 18, 2003.

⁷ Leone D. 2008. Odor that got kids sick debated. Honolulu Advertiser, February 24, 2008. <http://the.honoluluadvertiser.com/article/2008/Feb/24/In/Hawai'i802240350.html>.

⁸ Hillyer B. 2008. Lawmakers concerned about pesticide spraying. Hawai'i News Now, February 5, 2008. <http://www.Hawai'inewsnow.com/story/7822628/lawmakers-concerned-about-pesticide-spraying>

From: Rachel Rook <rachelrookbird@gmail.com>
Sent: Thursday, February 19, 2015 8:26 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM



I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Rachel Rook

Kapaa, HI 96746

From: Fern Rosenstiel <fernnygirl@yahoo.com>
Sent: Wednesday, February 18, 2015 4:56 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30



I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Fern Rosenstiel

kapaa, HI 96746

From: Jennifer Rutt <Jenkauai@gmail.com>
Sent: Thursday, February 19, 2015 7:55 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

LATE

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Jennifer Rutt

Kapaa, HI 96746

From: Anthony Sarabia <tony@kekahasunsetcottage.com>
Sent: Thursday, February 19, 2015 6:44 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM



I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Anthony Sarabia

KAPAA, HI 96746

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 19, 2015 1:24 AM
To: AGRtestimony
Cc: erika.goddess@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM



HB1514

Submitted on: 2/19/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Erika Schneider	Individual	Support	No

Comments: I STRONGLY SUPPORT passing this bill. There are 14 schools on Kauai within a mile of fields where pesticides are sprayed over 200 days of the year, restricted use pesticides that are banned in many other countries. A neurotoxin was found in the air and water of Waimea Canyon Middle school in EVERY SINGLE sample taken in multiple tests. Even when the teacher's union got a restraining order against the chemical companies to force them to stop spraying during school hours, the companies violated that order and continued to spray (there are videos on youtube of this as proof). These chemical companies have proven time and time again, they cannot be trusted, they have fought tooth and nail to keep WHAT they are spraying a secret from the families who live around the fields and have children who breath this air every day. We have a right to know, what we are breathing - and the keiki have a right to clean air and water at school. It is our duty to protect the children, PLEASE PASS THIS BILL. Mahalo

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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From: Lana Shea <merdaystar@hotmail.com>
Sent: Thursday, February 19, 2015 10:11 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

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In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Lana Shea

Hanalei, HI 96714

onishi3 - Timothy

From: ROSS SIBUCAO <toikoma@hotmail.com>
Sent: Wednesday, February 18, 2015 5:31 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones



Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

ROSS SIBUCAO

Hilo, HI

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 12:21 PM
To: AGRtestimony
Cc: info@maucauses.org
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM



HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
sam small	Individual	Support	No

Comments: I want buffers I want disclosure Put the people before corporations.

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 7:32 PM
To: AGRtestimony
Cc: esmith009@twc.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM



HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
earl s p smith	Individual	Oppose	No

Comments: too broad and too questionable. unworkable at this point.

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 1:00 PM
To: AGRtestimony
Cc: fred@globalmediaproductions.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

LATE

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Fred Spanjaard	Individual	Support	No

Comments: This is a no brainer folks!

Please note that testimony submitted less than 24 hours prior to the hearing, improperly identified, or directed to the incorrect office, may not be posted online or distributed to the committee prior to the convening of the public hearing.

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Committee on Agriculture
Representative Clifton Tsuji, Chair
Representative Richard H.K. Onishi, Vice Chair

LATE

Thursday, February 19, 2015
8:30am, Conference Room 312

Summer Starr, M.A., M.E.L.P.
Protect Our Keiki Coalition

TESTIMONY IN STRONG SUPPORT OF HB1514 – RELATING TO ENVIRONMENTAL PROTECTION

Aloha Honorable Members of the Committee on Agriculture,

My name is Summer Starr and I am writing in strong support of HB1514 Relating to Environmental Protection, requiring the state to protect keiki and kupuna health through disclosure, notification, and buffer zones of toxic restricted use pesticides around schools and nursing homes.

I write as a representative of the Protect Our Keiki Coalition, a statewide coalition advocating for the protection of our keiki and kupuna from the dangers of toxic pesticide drift. I write also as a member of the Maui County Farm Bureau, former Board Member and Secretary of the Hawai'i Organic Farmer's Association, member of the Hawai'i Farmer's Union, and local agricultural policy consultant, I am deeply concerned with the application of restricted use pesticides upon our agricultural soils. Particularly in such close proximity to our schools and communities.

Children's Health

As an aunty to three beautiful children, I am deeply concerned about the health of my family. With the knowledge that **at least 26 schools in Hawai'i are located within a mile of large agricultural companies spraying restricted-use pesticides**, it is impossible to ignore the effects of pesticide exposure on our keiki and our teachers. **This is not theoretical - we have already witnessed emergency evacuations** and negative health impacts from pesticide drift in near Hawai'i schools.^{1,2}

The **American Academy of Pediatrics (AAP)** recently published a major report entitled "**Pesticide Exposure in Children**" that comprehensively reviewed 195 medical studies on the subject (see Roberts and Karr 2012). Among other

¹ Leone D. 2008. Odor that got kids sick debated. Honolulu Advertiser, February 24, 2008. <http://the.honoluluadvertiser.com/article/2008/Feb/24/In/Hawai'i802240350.html>.

² Hillyer B. 2008. Lawmakers concerned about pesticide spraying. Hawai'i News Now, February 5, 2008. <http://www.Hawai'inewsnow.com/story/7822628/lawmakers-concerned-about-pesticide-spraying>

impacts, their chief concerns were as follows:

- 1) **Childhood cancers**, especially leukemia and brain tumors;
- 2) **Neurobehavioral and cognitive deficits**, such as reduced IQ and attention deficit/hyperactivity disorder;
- 3) **Adverse birth outcomes**, including preterm birth, low birth weight, and congenital anomalies; and
- 4) **Asthma**

Pesticide exposure is of more risk to young children for several reasons; their size, the immense growing and development occurring in their bodies during youth, and the ways in which they interact with the world around them – activities such as placing their hands in their mouth or playing on the grass and ground.^{3,4} Even low-level exposure during fetal,⁵ neonatal,⁶ and infant life can disrupt critical developmental processes.⁷

Our children spend the large majority of their day at school, where we trust their safety is the key priority. It is crucial that we protect their school environments and their growing bodies from the harmful health effects of pesticide exposure.

The Mechanics of Pesticide Drift

Any pesticide can drift beyond the field where it is applied. **Spray drift occurs during application, and can move even farther distances by windy conditions.** Volatile pesticides like 2,4-D and dicamba are subject to **vapor drift**, which occurs when previously applied pesticides evaporate from plant and soil surfaces days to months after application,⁸ and is more likely in hot, conditions.

Autism: Increased Rate of Occurrence Due to Pesticide Drift

Roberts et al. (2007) found that expectant mothers residing within 500 meters of fields sprayed with organochlorine insecticides (e.g. dicofol and endosulfan) during early pregnancy had a six-fold higher risk of bearing children with autism spectrum disorder than mothers not living near such fields; this ASD risk declined with increasing distance from field sites and increased with rising application

³ National Research Council. 1993. Pesticides in the Diets of Infants and Children. National Academy Press: Washington D.C.

⁴ Roberts J. R. and Karr C. J. 2012. Pesticide Exposure in Children. Council on Environmental Health. *Pediatrics*, 130(6): e1757-e1763. Available at:

<http://pediatrics.aappublications.org/content/130/6/e1757.full.html>

⁵ Rull R. P., Gunier R., Von Behren J., Hertz A., Crouse V., Buffler P. A., and Reynolds P. 2009. Residential Proximity to Agricultural Pesticide Applications and Childhood Acute Lymphoblastic Leukemia. *Environmental Research*, 109(7): 891-899.

⁶ Chevrier C., Limon G., Monfort C., Rouget F., Garlantezec R., Petit C., Durand G., and Cordier A. 2011. Urinary Biomarkers of Prenatal Atrazine Exposure and Adverse Birth Outcomes in the PELAGIE Birth Cohort. *Environmental Health Perspectives*, 119(7): 1034-1041.

⁷ Shelton, JF et al. 2014. Neurodevelopmental Disorders and Prenatal Residential Proximity to Agricultural Pesticides: The CHARGE Study. *Environmental Health Perspective*, 122(10): 1103-1110.

⁸ USGS 2003. "USGS releases study on toxic rainfall in an Joaquin Valley," US Geological Survey, August 18, 2003.

amounts.⁹ Shelton et al. (2014) found a **60% increased risk of autism spectrum disorder (ASD) in children of mothers who lived near fields sprayed with organophosphate insecticides at some point during their pregnancies**, with much higher risk when exposure occurred in the second trimester of their pregnancies. Similarly increased risk – for both ASD and developmental delay – was found for children of mothers near fields treated with pyrethroid insecticides just prior to conception or during their third trimester.¹⁰ Proximity to carbamate-treated fields was also linked to higher risk of developmental delay.

Consider that most of the insecticides at issue in the California study are used on Kaua'i and likely on other islands as well. **Those from the above studies in use within Hawai'i: one of the three organophosphates (chlorpyrifos); four of the five pyrethroid insecticides – permethrin, lambda-cyhalothrin, cypermethrin and esfenvalerate; and one of the two carbamates (methomyl).**

Economic Threat to Small Farmers

During my tenure on the Board of the Hawai'i Organic Farmers Association (HOFA), a third party organic certification organization, I gained an intimate understanding of the challenges facing those in agriculture.

There is an increasing market demand for certified organic foods. Anyone with a basic understanding of agricultural projections has observed this trend. "Sales of organic products in the United States jumped to \$35.1 billion in 2013, up 11.5% from the previous year's \$31.5 billion and the fastest growth rate in five years."¹¹ Organic certification is a rigorous process, which often includes steps such as soil testing. The payoff though is worth it when a farmer is able to have access to a wider profit margin due to the higher price point of the organics market. As such, to maintain organic status is a crucial component of many small farms' success across Hawai'i. **To have this certified organic status compromised and potentially revoked due to pesticide drift is an undue hardship on those who choose to pursue selling to an organics market, often as their only option for market viability.**

The Precautionary Principle

Simply put: Make sure it's safe.

It is incumbent upon policymakers to assure the safety of the people they govern. The precautionary principle is defined as:

⁹ Roberts E. M., English P. B., Grether J. K., Windham G. C., Somberg L., and Wolf C. 2007. Maternal Residence near Agricultural Pesticide Applications and Autism Spectrum Disorder among Children in the California Central Valley. *Environmental Health Perspectives*, 115(10): 1482-1489.

¹⁰ Shelton, JF et al. 2014. Neurodevelopmental Disorders and Prenatal Residential Proximity to Agricultural Pesticides: The CHARGE Study. *Environmental Health Perspective*, 122(10): 1103-1110.

¹¹ - Organic Trade Association. 2014. Organic Industry Survey. (Accessed 2/4/2015: <https://www.ota.com/what-ota-does/market-analysis#sthash.56jW3BN2.dpuf>)

1. An expression of a need by decision-makers to anticipate harm before it occurs. Within this element lies an implicit reversal of the onus of proof: under the precautionary principle it is the responsibility of an activity proponent to establish that the proposed activity will not (or is very unlikely to) result in significant harm.
2. The concept of proportionality of the risk and the cost and feasibility of a proposed action¹²

Our children are at risk.

Our kupuna, our teachers, our citizens, and our visitors are at risk.

Our soil health, thus the economic stability of our small farms, is at risk.

The medical evidence is clear.

The agricultural evidence is clear.

The public concern for our health is clear.

Truly, there is no time to waste.

Thank you for your sincere consideration in passing this measure to Protect Our Keiki.

With Respect,

Summer Starr
Protect Our Keiki Coalition

¹² Andrew Jordan & Timothy O'Riordan. Chapter 3, The precautionary principle: a legal and policy history, in [The precautionary principle: protecting public health, the environment and the future of our children](#). Edited by: Marco Martuzzi and Joel A. Tickner. World Health Organization 2004

onishi3 - Timothy

From: Mark Stoutemyer <mstoutemyer@hotmail.com>
Sent: Wednesday, February 18, 2015 1:13 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones



Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Mark Stoutemyer

Kaneohe, HI

February 17, 2015



Testimony
HB1514 HD1 Relating to Environmental Protection
House Committee on Agriculture

Chair Tsuji and Members of the House Agriculture Committee,

I am Darren Strand and I am the president of Maui Gold Pineapple Company. We are farming pineapple on just over 1000 acres below Makawao town. Currently we have 83 full time employees who are well paid and have access to subsidized health and welfare for their families along with many other benefits. I am testifying in opposition to HB1514 as it is unfair to agriculture and is based on faulty assumptions. On behalf of Maui Gold Pineapple Company's employees, customers and stakeholders; I **STRONGLY OPPOSE HB1541**.

Due to the position of our farm on Maui, below Makawao, the buffer zones would have a huge impact on our operation, potentially eliminating enough of our acreage to make us non-viable. I have been the agricultural manager of this farm in Haliimaile from 2005 and managed all fertilizer, pesticide and irrigation operations for Maui Pineapple Company up to their closure in 2009 and to the present date under Maui Gold Pineapple Company. We take the application of pesticides very seriously and recognize the intricacy of farming in our unique physical position surrounded by schools, restaurants and homes. We have never had a drift event or misapplication and this is a testament to how we place the safety of our community, our employees and visitors above all other criteria; including production. While nobody would disagree that our children and sensitive populations need to be protected, the measures imposed in this bill are not science based and ultimately impose harsh penalties without providing any protection beyond what already exists.

On our farm, we are guided by an in depth Integrated Pest Management program. This is designed to minimize the dependence on dangerous and expensive chemicals in favor of other practices. For example, we use long fallow periods and are experimenting with large cover crop trials to minimize the amount of chemicals needed to control nematodes. In the past, during plantation days, it may have been the initial reaction to pest prevention to increase pesticide rates and usage. The new generation of farmers have recognized that this is not the best way to farm have developed protocols and are utilizing technologies to address the economic impact of pests in a variety of means that are safer and have a smaller impact. Requiring a 24 hr period to pass while public notification is given can escalate a pest problem beyond one that is controllable with simple non-chemical approaches to one that requires multiple applications and higher rates of chemicals. For example, if thrip feeding damage is recognized on Monday and spraying cannot occur until Tuesday we may be giving up and plowing the crop under on Wednesday! HB1514 and other anti farming bills throughout the state don't take this into account and, honestly, I feel that farmers and ranchers have been left out of this discussion.

HB1514HD1 is based on faulty assumptions and doesn't recognize the science based evidence that our neighbors and employees are not being exposed to pesticides. The amount of work that has been done by the EPA and the HDOA has created momentum in the commercial farming community in Hawaii and favoring bills like HD504 that create a proactive regulatory framework will do more to minimize risk than anti farming bills like HB1514HD1 ever will.

Thank You,
Darren Strand
President, Maui Gold Pineapple Co.



From: susan strom <susanstromnm@yahoo.com>
Sent: Wednesday, February 18, 2015 10:02 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

susan strom

kapaa, HI 96746

onishi3 - Timothy

From: Sarah Styan <Sarah.styan@hawaiiantel.net>
Sent: Wednesday, February 18, 2015 10:13 PM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones



Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture; I support additional funding for the Hawaii Dept. of Agriculture to educate our communities about the proper use of pesticides. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

Mahalo

Sarah Styan

Hanapepe, HI

From: Spencer Suitt <Spencersuitt@mac.com>
Sent: Thursday, February 19, 2015 6:05 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM



I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Spencer Suitt

Waialua, HI 96791

From: Richell sweet <Richelloshiro@gmail.com>
Sent: Thursday, February 19, 2015 10:37 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM



I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Richell sweet

kapa, HI 96746

Testimony for Syngenta Hawaii

Mark Phillipson, Syngenta Hawaii, Corporate Affairs Lead

February 19, 2015

House Bill No. 1514 – Relating to Environmental Protection

House Committee on Agriculture

LATE

Chair Tsuji and Members of the Committee:

I am Mark Phillipson, Corporate Affairs Lead for Syngenta Hawaii. My company strongly opposes House Bill 1514.

This measure purports to address concerns from some quarters about the use of pesticides by what the measure refers to as “large scale” agriculture operations, but fails to consider other commercial and government restricted use pesticide users. All types of farms use pesticides and so do many other entities. Large scale farming operations offer the benefit of having the latest modern equipment, up to date information on technology and science and the means to implement them, safety programs with onsite staff, in addition to strict internal protocols that in many instances go beyond regulatory requirements.

Because Syngenta and other seed farms have agronomists and other experts on staff, they are able to effectively utilize integrated pest management programs that reduce the amount of pesticide needed. That is, these experts conduct inspections of the fields to identify pests and diseases and determine if they pose a significant hazard. If not, we do not apply pesticides. When the threat rises to the level at which pesticides are needed, we apply the minimum amount to do the job and our modern equipment applies it in a carefully calibrated manner.

Our integrated pest management program incorporates biological controls, in addition to restricted and general use pesticides. For example, we employ ladybugs to eat aphids, and we do not want to apply pesticides that would destroy our ladybugs. In addition, our farms use well trained applicators who are certified in handling and applying pesticides, which provides a much higher level of safety. While our goal is to rid destructive pests and keep the beneficials, we do not sterilize an area. One of our top, in the field, issues is insect bites or stings. And we have immediate first aid and evaluation available for those occurrences.

There is a lot of misinformation on the amount of restricted use pesticide applied by large farms. For example, there have been claims reported in the media that we use 18 tons of pesticides in Kauai County, when in fact we half that amount.

With regard to incidence of alleged pesticide drift having an effect on children, our company has been subject to ongoing allegations that nine years ago pesticide was sprayed on one of our

fields and that supposedly led to children and teachers becoming ill at Waimea Canyon Middle School, which is next to the field. The story about this incident and a subsequent one have been told and retold until they have become accepted as fact.

An evaluation of the evidence by the State Department of Health, resulted in a statement by a department spokesperson that the department's conclusion was ". . . there could be a number of factors, including hysteria" at the school. Thorough investigations by the Department of Agriculture led to the conclusion that stinkweed not pesticides was the probable cause in both instances. Subsequently, the County of Kauai, along with the Department of Agriculture, contracted the University of Hawaii to conduct an in-depth air quality study over the course of year and found that the active ingredient in stinkweed, which causes symptoms like those described at Waimea Canyon Middle School, was present in their samples. The study also found three currently used pesticides, including a termite-specific pesticide not used by agriculture, to be present. These detected levels were 25 to 100 times below the safety threshold set by the Environmental Protection Agency. By being active ISO 9000 practitioners, we continue to strive to improve our operations.

Despite much hand wringing and strident claims of pesticide misuse, there has been no credible evidence provided that a pesticide was the likely cause of the most widely repeated stories about the incident at Waimea Canyon Middle School. Indeed, all of the scientific evidence indicates that stinkweed was the most likely cause of the incident. And Syngenta stopped using that field altogether to avoid any further incidents of stinkweed odors irritating children and the staff at the school.

With regard to public notification about restricted pesticide use, Syngenta has participated in the Kauai Agricultural Good Neighbor Program, which discloses all of the pesticides used, how much was applied and where they were used. All of this information is posted on the Department of Agriculture website for easy access. In addition, we notify all neighbors who request notification in advance of any pesticide application. Syngenta is happy to provide this information in order to reduce any concerns that might exist in the community about the nature of operations. We believe the fact that we are doing this on a voluntary basis underscores our commitment to transparency and keeping the community informed.

For these reasons set forth above and lack of a clear need for the provisions made in the bill, we respectfully request the committee hold this bill.

Thank you for the opportunity to testify.

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 9:16 PM
To: AGRtestimony
Cc: dsmith013@hawaii.rr.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM



HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Sylvia Smith	Individual	Oppose	No

Comments: This will affect the landscape and food production industries too harshly. Give consideration and credit to applicators

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From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 19, 2015 6:32 AM
To: AGRtestimony
Cc: leeona.thompson@gmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM



HB1514

Submitted on: 2/19/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Leeona Thompson	Individual	Support	Yes

Comments: Aloha, My name is Leeona Thompson and I writing to you today in support of HB1514 as a citizen, taxpayer, constituent, student leader, and active community member in the County of Kauai. On the beautiful Garden Isle, home to so many beautiful people and untouched reserved places, there are some not so beautiful things happening on a daily, weekly, monthly, and annual basis that many would rather not speak about publicly. Tons (literally, tons) of Restricted Use Pesticides are being sprayed on an annual basis in this little island community. These tons of pesticides are being sprayed up against the fence lines of schools, hospitals, and homes throughout the community. It is not rocket science to understand the sort of weather patterns that the Hawaiian Islands receive, in general. The fact that there is no need for Air Conditioning or Heating due to the Trade Winds is a beautiful thing, but very frightening if your family and yourself live downwind of the Trade Winds where undisclosed restricted use pesticides are being sprayed daily. Mind you, these pesticides are being sprayed by workers wearing Hazardous Material Suits, yet the community is told that what they are spraying is completely safe for them and their young families to inhale daily. What would you do, whoever is reading this testimony right now, if you were called from work today from your child's school because your child (amongst others to include staff) had unexpected nosebleeds and needed to be picked up immediately and recommended to take them to the hospital? Then what if evidence later showed that chemical and seed companies located right next to your child's school had been spraying pesticides that they choose to not disclose per their trade secrets, that same day just outside the fence of the classroom window where your child sits. How does that make you feel? Violated? Unsafe? A little uneasy? I pray it does, because that is what parents on this island have felt already in situations here with companies who call themselves "Good Neighbors." This extreme use of pesticide spraying is happening around children, kupuna, expecting mothers, and nothing is being done about it. It is appalling that these companies have fought our community so hard, tooth and nail, to not disclose what they are spraying on the people and aina of Kauai. I feel no pity when these multi-billion/trillion dollar companies say that they cannot disclose due to "trade secrets." If one can not disclose the Restricted Use Pesticides that they are spraying to prove that people are not getting sick because of it, then it sounds like a company is choosing extremely bad business practices, in my opinion. Choosing business profits (trade secrets) over people's health is not Aloha, and practically unAmerican. The State of Hawaii MUST step in and do something about the protection of the community against these corporate machines. We have tried to protect ourselves at many local levels just to find ourselves in litigation with all of these companies. It is bare minimum to ask for buffer zones and disclosure if the community surrounding you is in fear of getting sick, or in some cases fear

they are already sick. Please please vote with your heart in support of HB1514, and please help our small communities around Hawaii take back some of the rights that are currently being stripped away. Mahalo for your time, energy, and continuous service, Leona Thompson - County of Kauai

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LATE

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 11:40 PM
To: AGRtestimony
Cc: jtrujill@hawaii.edu
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM

HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
james trujillo	Individual	Support	No

Comments: mahalo for considering this testimony in support of HB 1514. this bill will help to ensure that pesticides are kept at a distance from schools, hospitals and other care facilities in the state. as indicated by the number of different attempts by the counties of hawaii, maui and kauai to provide relief from the impacts of large scale agriculture and the widespread use of pesticides, HB 1514 provides for buffer zones and disclosure of RUP's. not unreasonable regulations of known carcinogens. for our keiki & kupuna please pass hb 1514 and support common sense strategies to protect our community from accidental drift of RUP's. mahalo for your consideration of this testimony in support of HB 1514. with respect and aloha,.....james g trujillo, Kapaa, HI 96746

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LATE

HEARING BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE
February 19, 2015
Conference Room 312
8:30AM

TESTIMONY IN OPPOSITION OF HB1514 RELATING TO ENVIRONMENTAL PROTECTION

Aloha Chair Tsuji, Vice Chair Onishi, and Members of the Committee:

The Maui Chamber of Commerce opposes HB1514 to establish disclosure requirements for outdoor applications of pesticides in proximity to schools, childcare facilities, and certain commercial agricultural entities; establish reasonable pesticide buffer zones for sensitive areas; and establish penalties.

Pesticides are a critical tool for farmers and important to the viability and sustainability of their farms. Farmers who use pesticides only do so because they are needed and have been well trained in safe pesticide use. They use pesticides very sparingly (as they are quite costly) and know when not to apply pesticides given changing weather conditions.

While the intent of this measure seems reasonable on the surface, it is quite problematic as it:

- Restricts pesticide use without determining a threshold at this point and the requirement will apply to all pesticide applications;
- Does not specify the distance of the buffer zone (and up to a mile has been mentioned, which would be devastating and is not required by Federal law);
- Requires notifications with public postings which will create a significant amount of work for farmers, particularly as application dates change with changing conditions; and
- Can leave farmers open to frivolous lawsuits as pesticide use has become a "hot topic", creating unwarranted exposure and making them to defend themselves against such lawsuits.

Farming is hard enough and needs to be encouraged, rather than discouraged, for our state's sustainability. While some seek to criminalize farmers, we seek to support them and feel there are better ways to educate the public on pesticide use and protect sensitive areas.

Therefore, we oppose HB1514 and ask that you hold this measure in committee.

Sincerely,

Pamela Tumpap
President

onishi3 - Timothy

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 4:43 PM
To: AGRtestimony
Cc: punishmentuafc@yahoo.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM



HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
phill valdez	Individual	Oppose	No

Comments: I Oppose to this bill because I don't like it.

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From: STEPHEN WELLMAN <questions@kaimuflowers.com>
Sent: Thursday, February 19, 2015 7:24 AM
To: AGRtestimony
Subject: I Oppose HB 1514 Relating to Buffer Zones



Aloha Chair Tsuji and Committee Members,

I oppose this bill as it unfairly targets farmers and agriculture. Farmers are land stewards and they understand firsthand the need for crop protection methods and pesticides; we live in our communities and our children attend local schools; Farmers and agriculture is not the enemy.

There are many other uses for public funds other than regulating an industry that is already too regulated. Sadly, there are few industries that aren't over regulated, but save the public funds for actual infrastructure projects that add to the economic growth of Hawaii and create long term productive jobs in agriculture. Excessive regulation only worsens our economic future.

Mahalo

Stephen Wellman
Kaimu Nursery

STEPHEN WELLMAN

Pahoa, HI



WPHA
Western Plant Health Association

LATE

February 19, 2015

TO: COMMITTEE ON AGRICULTURE
Representative Clift Tsuji, Chair
Representative Richard H.K. Onishi, Vice Chair

FR: Renee Pinel, President and CEO
Western Plant Health Association

RE: H.B. 1514 HD1 Relating to Pesticides.
Position: Oppose

Dear Chair Clift Tsuji, Vice Chair Richard H.K. Onishi and members,

On behalf of the Western Plant Health Association (WPHA), I am writing to express our **opposition** to HB 1514 HD1, which would require buffers, reporting, and posting of pesticides. WPHA appreciates the chair's interest in assuring the safe use of pesticide products; however, we believe this bill is overly expansive and will result in additional costs that will be a burden to schools and the agricultural community. WPHA represents the interests of fertilizer and pesticide manufacturers, agricultural biotechnology providers, and agricultural retailers in Hawaii, California, and Arizona.

Despite allegations of pesticides causing widespread harm, monitoring that has taken place does not support these allegations or the need for additional requirements as outlined in HB 1514 HD1. Pesticide products are the most thoroughly assessed chemicals under the authority of the U.S. Environmental Protection Agency (USEPA). In order to register a product, registrants must submit more than three hundred scientific studies assessing a product from both an environmental and a human health perspective. This equates to about 75,000 pages of data that is submitted. This information is then analyzed independently by USEPA scientists and requires from two to five years to complete.

In the last two weeks, The National Academy of Sciences, an independent organization of highly esteemed scientists released a review that analyzed risk assessments of pesticides. The report acknowledged the thoroughness of the USEPA scientific risk assessment process in registering pesticides. Through this scientific process USEPA establishes appropriate posting requirements, buffers, and application requirements for pesticides which are listed on all pesticides labels.

Allegations that there are no buffers around the use of pesticides are false. The need for buffers is part of the pesticide assessment process and, if needed, are stated on the label.

Pesticide registrants who provide products used around sensitive population centers must provide USEPA proof of their safety through multiple exposure scenario studies specific to these settings. USEPA specifically establishes use requirements in recognition of their use in these settings. To require additional posting and reporting requirements on schools places unnecessarily costs on schools. Additional buffers in agricultural settings are also unnecessary. Again, the need for buffers are already assessed and mandated by USEPA when the product is registered. WPHA finds it inconsistent with the intent of public protection to mandate postings and buffers in some scenarios and by only some users but not others as described in HB 1514 HD1. To achieve the intent of the bill, posting and buffers will have to be applied to all application scenarios and users. This will result in additional unnecessary costs to all growers, further damaging the agricultural economy of Hawaii.

WPHA recognizes that there are public concerns about the safe use of pesticides. We appreciate the chair's intent to help ensure that products are used safely. However, WPHA believes that a better process would be to provide greater understanding of how products are registered and used through educational programs for growers and the public. For these reasons WPHA **opposes** HB 1514 HD1 and asks the committee for a **no** vote. We thank you for your consideration of our comments.

Sincerely,



Renee Pinel
President/CEO

From: Joanna Wheeler <joannaction@yahoo.com>
Sent: Thursday, February 19, 2015 7:29 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM



I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Joanna Wheeler

kapaa, HI 96746

From: Doris Williams <williamsjvysmm@aol.com>
Sent: Thursday, February 19, 2015 7:40 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM



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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Doris Williams

Hanapepe, HI 96716

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 4:55 PM
To: AGRtestimony
Cc: harriet@passengerplanet.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM



HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Harriet Witt	Individual	Comments Only	No

Comments: For the sake of our health, the health of our environment and the future of our keiki, we need these measures.

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From: Sherilyn Wolter <abraxassherilyn@hotmail.com>
Sent: Wednesday, February 18, 2015 2:07 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM



I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

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The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Sherilyn Wolter

Princeville, HI 96722

From: Christy Wong <info@wongzoo.com>
Sent: Thursday, February 19, 2015 7:55 AM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM



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I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Christy Wong

Kapaa, HI 96746

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 18, 2015 6:04 PM
To: AGRtestimony
Cc: dbwoodsluv@hotmail.com
Subject: Submitted testimony for HB1514 on Feb 19, 2015 08:30AM



HB1514

Submitted on: 2/18/2015

Testimony for AGR on Feb 19, 2015 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
denise woods	Individual	Support	No

Comments: Please support this important bill to protect our future generations. They say an ounce of prevention is worth a pound of cure, please take this small, but significant step. Mahalo

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From: Alison Yahna <beeoracle@hotmail.com>
Sent: Wednesday, February 18, 2015 7:44 PM
To: AGRtestimony
Subject: In Support of HB 1514; Hearing Date: 2/19/15 at 8:30 AM

As a Mother of a second grade child and a beekeeper, I am writing in strong support of HB 1514 (being heard by the House Committee on Agriculture on 2/19/15 at 8:30 AM) which will significantly increase protections of Hawaii's people, especially keiki and kupuna populations, and natural resources from exposure to harmful pesticides.

HB 1514 requires pesticide buffer zones to be established around sensitive areas, including schools, child care facilities, hospitals, nursing homes as well as watershed and shoreline areas. This measure also requires entities purchasing large quantities of restricted-use pesticides annually to publicly disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift.

Buffer zones are a necessary step for mitigating the negative human health impacts of pesticide drift in our state. Children, the elderly and other sensitive residents have no choice but to live, work, and commute daily in close proximity to areas where restricted use pesticides are being sprayed. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds, or pesticide residues. Pesticide drift happens frequently, particularly in Hawaii due to the common windy and warm conditions of the islands. Scientists have shown that early life exposure to toxic pesticides during fetal, neonatal, and infant life is linked to the disruption of critical development processes and causes developmental delays in children.

In addition, notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawaii's public health and natural resources. These regulations that are in line with those of 31 other states who understand that it is vital to provide communities with information about the dangerous chemicals that are regularly applied in close proximity to schools, nursing homes and other sensitive areas.

The people of Hawaii have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture near our schools are unacceptable, and the duty to take action to reduce and prevent the potential negative impacts of that use.

I urge you to vote Yes on HB 1514

Thank you for the opportunity to provide testimony.

Alison Yahna

Naalehu, HI 96772

TESTIMONY BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

LATE

FEBRUARY 19, 2015

TESTIMONY ON
HB 1514
RELATING TO ENVIRONMENTAL PROTECTION

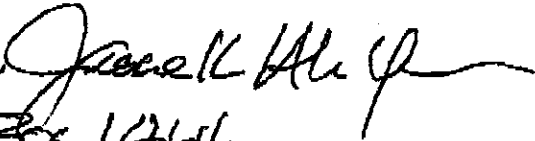
Aloha Honorable Chair Tsuji, Vice Chair Onishi and Respected Committee Members:

Aloha, my name is **JESSE K. KAHYEE**

I STRONGLY OPPOSE HB 1514.

I Believe in Feeding the World

Thank you for your time and consideration.

Sincerely, 
PO Box 1464
Kekoa Hi 96748

TESTIMONY BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE**LATE**

FEBRUARY 19, 2015

TESTIMONY ON
HB 1514
RELATING TO ENVIRONMENTAL PROTECTION

Aloha Honorable Chair Tsuji, Vice Chair Onishi and Respected Committee Members:

Aloha, my name is Alberto Agcaali:**I STRONGLY OPPOSE HB 1514.***I oppose this Bill*

Thank you for your time and consideration.

Sincerely, *Alberto Agcaali*

COMMITTEE ON AGRICULTURE

Rep. Clift Tsuji, Chair

Rep. Richard H. K. Onishi, Vice Chair

LATE

Andrew K. Arce

3111 Farrington Ave.

Hoolehua, HI. 96729

HB 1514 HD1: Environmental Protection; Pesticides; Disclosure; Buffer Zones; Penalties

Position: **Oppose**

Aloha Chair Tsuji and Vice Chair Onishi and Fellow Committee Members;

My name is Andrew Arce a fourth generation Molokai Homestead farmer. I own and operate Arce's Farm a farm that my father started back in the late 1960's. As a child I remember working on our farm doing various tasks planting, weeding and harvesting. I also remember some of the products that my dad used to control pests. For example: Parathion, Diazinon, Vydate was some of the products that was used on our farm.

I have been involved in Agriculture professionally since 1986. My former employers were Maui Community College Molokai Farm, College of Tropical Agriculture & Human Resources Molokai Applied Research & Demonstration Farm, and Hawaiian Research now known as Monsanto Molokai. From 1986 I have been certified by the HDOA to purchase and use agricultural pesticides. The education process is a 2 day class taught by Charles Nagamine from University of Hawaii and the exam is given by HDOA. Some of the topics include Laws and Regulations, Handling and Storage, Record Keeping, Life cycles of insects, application techniques and calibration of equipment. I have known many who have taken this 3 hour exam and did not pass. Some of them finally succeeded after a few tries. Some individuals with a Bachelors and Masters degree failed these exams. This certification lasts for 5 years. Within these 5 years you have courses and quizzes obtaining credit towards recertification. Topics include: PPE use and maintenance, Recordkeeping for RUP's, Pesticide Drift, Updated WPS etc.

As a farmer I need to protect my crop from disease and pests. I also need to protect my resources, and our environment. I use IPM techniques like scouting and establishing insect thresholds that trigger when I need to use crop protection products. Continuous research and talking with the agricultural community on new and upcoming chemistries that is safer than their ancestors. Being open minded to all types of crop protection practices whether it be done biologically, organically, or incorporating commercial products. I for one would like to advocate for genetically modified organisms. I planted GMO sweet corn on my farm and see

ETAJ

the rewards of this technology. The benefits are the use of fewer pesticides by the farmer making it safe for the environment and gaining a safer product for the consumer.

I oppose HB 1514 HD1. This bill is sending a wrong message to all farmers. In my opinion it's directed mostly at seed companies. We should scrutinize others like resorts, golf courses, fumigation companies, state and county agencies and even the everyday homeowner and have them all be certified to apply any type of pesticide.

We should be all promoting agriculture and encouraging new farmers who want to enter this business or families who want their children to carry on. But instead we're making it difficult to justify staying in business. There are many challenges and struggles that we face on a daily basis as farmers. This is an added layer that makes it more difficult. Give us a reason to continue farming.

Mahalo!

TESTIMONY BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

FEBRUARY 19, 2015

LATE

TESTIMONY ON
HB 1514
RELATING TO ENVIRONMENTAL PROTECTION

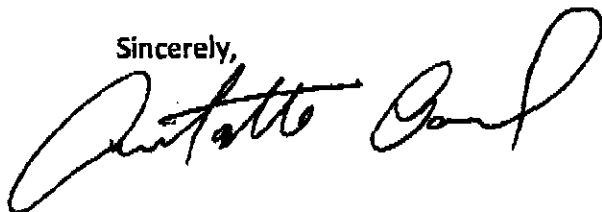
Aloha Honorable Chair Tsuji, Vice Chair Onishi and Respected Committee Members:

Aloha, my name is *Arispate Oamil*

I STRONGLY OPPOSE HB 1514.

Thank you for your time and consideration.

Sincerely,



TESTIMONY BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

FEBRUARY 19, 2015

LATETESTIMONY ON
HB 1514
RELATING TO ENVIRONMENTAL PROTECTION

Aloha Honorable Chair Tsuji, Vice Chair Onishi and Respected Committee Members:

Aloha, my name is *WILLIAM BEST*I STRONGLY OPPOSE HB 1514.

*I STRONGLY OPPOSE HB 1514
TO ADDRESS COMMUNITY CONCERNS A COMPRE-
HENSIVE APPROVAL MUST START WITH FACT.*

Thank you for your time and consideration.

Sincerely, 

TESTIMONY BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE**LATE**

FEBRUARY 19, 2015

TESTIMONY ON
HB 1514
RELATING TO ENVIRONMENTAL PROTECTION

Aloha Honorable Chair Tsuji, Vice Chair Onishi and Respected Committee Members:

Aloha, my name is MARIA CORAZON S. BALANGATAN**I STRONGLY OPPOSE HB 1514.***I opposed this bill*

Thank you for your time and consideration.

Sincerely,
Maria Corazon S. Balangatan

TESTIMONY BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

FEBRUARY 19, 2015

LATE

TESTIMONY ON
HB 1514
RELATING TO ENVIRONMENTAL PROTECTION

Aloha Honorable Chair Tsuji, Vice Chair Onishi and Respected Committee Members:

Aloha, my name is Marcelina Corpuz

I STRONGLY OPPOSE HB 1514.

I oppose this Bill

Thank you for your time and consideration.

Sincerely, *Marcelina G. Corpuz*

TESTIMONY BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

FEBRUARY 19, 2015

LATE

TESTIMONY ON
HB 1514
RELATING TO ENVIRONMENTAL PROTECTION

Aloha Honorable Chair Tsuji, Vice Chair Onishi and Respected Committee Members:

Aloha, my name is Delia Domingo

I STRONGLY OPPOSE HB 1514.

I oppose this, Bill

Thank you for your time and consideration.

Sincerely,

Delia Domingo

TESTIMONY BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

FEBRUARY 19, 2015

LATE

TESTIMONY ON
HB 1514
RELATING TO ENVIRONMENTAL PROTECTION

Aloha Honorable Chair Tsuji, Vice Chair Onishi and Respected Committee Members:

Aloha, my name is *Numeriano S. Domingo Jr.*

I STRONGLY OPPOSE HB 1514.

Thank you for your time and consideration.

Sincerely,



TESTIMONY BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

FEBRUARY 19, 2015

TESTIMONY ON
HB 1514
RELATING TO ENVIRONMENTAL PROTECTION

LATE

Aloha Honorable Chair Tsuji, Vice Chair Onishi and Respected Committee Members:

Aloha, my name is *Rodney Dudoit*

I STRONGLY OPPOSE HB 1514.

Thank you for your time and consideration.

Sincerely, *Rodney Dudoit*

TESTIMONY BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

FEBRUARY 19, 2015

LATE

TESTIMONY ON
HB 1514
RELATING TO ENVIRONMENTAL PROTECTION

Aloha Honorable Chair Tsuji, Vice Chair Onishi and Respected Committee Members:

Aloha, my name is Ernesto Bagalasan

I STRONGLY OPPOSE HB 1514.

I STRONGLY OPPOSE

Thank you for your time and consideration.

Sincerely, *Ernesto Bagalasan*

TESTIMONY BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

LATE

FEBRUARY 19, 2015

TESTIMONY ON
HB 1514
RELATING TO ENVIRONMENTAL PROTECTION

Aloha Honorable Chair Tsuji, Vice Chair Onishi and Respected Committee Members:

Aloha, my name is Harriet Escobar

I STRONGLY OPPOSE HB 1514.

I oppose this Bill

Thank-You

Thank you for your time and consideration.

Sincerely,

TESTIMONY BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

FEBRUARY 19, 2015

LATE

TESTIMONY ON
HB 1514
RELATING TO ENVIRONMENTAL PROTECTION

Aloha Honorable Chair Tsuji, Vice Chair Onishi and Respected Committee Members:

Aloha, my name is Fredrick

I STRONGLY OPPOSE HB 1514.

Thank you for your time and consideration.

Sincerely, Fredrick Manigo

TESTIMONY BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

FEBRUARY 19, 2015

LATETESTIMONY ON
HB 1514
RELATING TO ENVIRONMENTAL PROTECTION

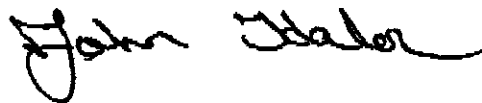
Aloha Honorable Chair Tsuji, Vice Chair Onishi and Respected Committee Members:

Aloha, my name is John HabonI STRONGLY OPPOSE HB 1514.

I strongly oppose HB 1514, Because
here on Makai jobs are hard
to come by.

Thank you for your time and consideration.

Sincerely,



TESTIMONY BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

FEBRUARY 19, 2015

LATE

TESTIMONY ON
HB 1514
RELATING TO ENVIRONMENTAL PROTECTION

Aloha Honorable Chair Tsuji, Vice Chair Onishi and Respected Committee Members:

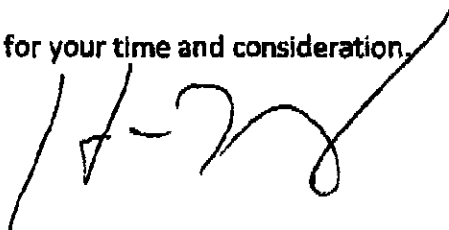
Aloha, my name is TJ HARPER

I STRONGLY OPPOSE HB 1514.

I strongly oppose HB 1514.
Thank you for your respective

Thank you for your time and consideration.

Sincerely,



TESTIMONY BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

FEBRUARY 19, 2015

LATETESTIMONY ON
HB 1514
RELATING TO ENVIRONMENTAL PROTECTION

Aloha Honorable Chair Tsuji, Vice Chair Onishi and Respected Committee Members:

Aloha, my name is Jovita Rodolfo**I STRONGLY OPPOSE HB 1514.**

I oppose this bill

Thank you for your time and consideration.

Sincerely, Jovita M. Rodolfo

TESTIMONY BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

LATE

FEBRUARY 19, 2015

TESTIMONY ON
HB 1514
RELATING TO ENVIRONMENTAL PROTECTION

Aloha Honorable Chair Tsuji, Vice Chair Onishi and Respected Committee Members:

Aloha, my name is *Juliet Tangonan*

I STRONGLY OPPOSE HB 1514.

I oppose this bill

Thank you for your time and consideration.

Sincerely,

Juliet Tangonan

TESTIMONY BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

FEBRUARY 19, 2015

LATE

TESTIMONY ON
HB 1514
RELATING TO ENVIRONMENTAL PROTECTION

Aloha Honorable Chair Tsuji, Vice Chair Onishi and Respected Committee Members:

Aloha, my name is Delia Domingo

I STRONGLY OPPOSE HB 1514.

I oppose this Bill

Thank you for your time and consideration.

Sincerely,

Delia Domingo

TESTIMONY BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

FEBRUARY 19, 2015

TESTIMONY ON
HB 1514
RELATING TO ENVIRONMENTAL PROTECTION

LATE

Aloha Honorable Chair Tsuji, Vic Chair Onishi and respected Committee Members:

Aloha, my name Patrick Kansana.

I STRONGLY OPPOSE HB1514.

I have worked for Monsanto for a total of 8 years.

Thank you for your time and consideration.

Sincerely, *Patrick Kansana*

TESTIMONY BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

FEBRUARY 19, 2015

LATETESTIMONY ON
HB 1514
RELATING TO ENVIRONMENTAL PROTECTION

Aloha Honorable Chair Tsuji, Vice Chair Onishi and Respected Committee Members:

Aloha, my name is MILES.**I STRONGLY OPPOSE HB 1514.**

I oppose this bill because it discriminates against agriculture. We are getting targeted even though we are not using pesticides in large amounts. There are others that use pesticides in the residential areas and on the highways. Why are they not being targeted.

Thank you for your time and consideration.

Sincerely,



TESTIMONY BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

FEBRUARY 19, 2015

TESTIMONY ON
HB 1514
RELATING TO ENVIRONMENTAL PROTECTION**LATE**

Aloha Honorable Chair Tsuji, Vice Chair Onishi and Respected Committee Members:

Aloha, my name is JOSE RAGASAI STRONGLY OPPOSE HB 1514.I STRONGLY OPPOSE HB 1514

Thank you for your time and consideration.

Sincerely, Jose Ragasa

TESTIMONY BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

LATE

FEBRUARY 19, 2015

TESTIMONY ON
HB 1514
RELATING TO ENVIRONMENTAL PROTECTION

Aloha Honorable Chair Tsuji, Vice Chair Onishi and Respected Committee Members:

Aloha, my name is Ara Smith

I STRONGLY OPPOSE HB 1514.

I oppose this Bill

Thank you for your time and consideration.

Sincerely, Ara Smith

TESTIMONY BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

FEBRUARY 19, 2015

TESTIMONY ON
HB 1514
RELATING TO ENVIRONMENTAL PROTECTION

LATE

Aloha Honorable Chair Tsuji, Vice Chair Onishi and Respected Committee Members:

Aloha, my name is MELVIN SPENCER.

I STRONGLY OPPOSE HB 1514.

I STRONGLY oppose

Thank you for your time and consideration.

Sincerely, *Mel Sp*