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Lt. Governor



State of Hawaii
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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

**MARCH 22, 2017
8:30 A.M.
CONFERENCE ROOM 312**

**SENATE BILL NO. 804 SD1 Proposed HD1
RELATING TO HAWAII PESTICIDES LAW**

Chairperson Creagan and Members of the Committee:

Thank you for the opportunity to testify on Senate Bill 804 SD1, Proposed HD1. The purpose of this bill claims to be to increase the amount the pesticide use revolving fund can maintain to “allow the department to have the necessary funds available to carry out its statutory mandate and to protect the State’s environment and residents from the unintended impacts of large-scale pesticide use by implementing the recommendations of the JFF Study Group’s report that the Good Neighbor Program be revised and expanded”. The Department of Agriculture appreciates the purpose of this bill to increase the pesticide use revolving fund (PURF). The Department supports the original intent of this bill but has concerns with the additional amendments and offers comments.

This bill attempts to add “clinical studies on pesticides” to Section 149A-13.5(b), which summarizes allowable expenditures out of the Pesticide Use Revolving Fund, and requires appropriation out of this fund to provide a grant to the University of Hawaii John A. Burns School of Medicine to develop a study that will determine exposure of chlorpyrifos in pregnant mothers by examining meconium of newborn babies. Clinical



studies on pesticides, specifically a study on chlorpyrifos in meconium of newborn babies, is not under the purview of the Hawaii Department of Agriculture but rather the Hawaii Department of Health (HDOH). Section 149A-4 of the Hawaii Pesticides Law states that nothing in this chapter shall be construed to amend or alter the functions, duties, and powers of the department of health relative to chapters 321, 322, 328, and 330, establishing the HDOH as having “general charge, oversight and care of the health and lives of the people of the state” (HRS Section 321-1(a)).

The Department of Agriculture has statutory authority to control the sale and use of pesticides through applicator certification, applicator education and outreach, product registration and licensing activities, use and misuse surveillance, and the administration of enforcement actions. The Department has limited authority regarding human health related studies. Management of revenues to the Pesticide Use Revolving Fund should be left to the Department to accomplish the mission of the Branch through education, registration, and compliance monitoring activities.

The bill’s requirement for annual pesticide use reporting for all outdoor applications for public posting will necessitate hiring of additional Department staff to enforce this reporting activity and manage the data received. Hiring of new staff and maintenance of such a database would be a strain on existing state funds and would divert limited staff resources from primary enforcement responsibilities. 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 publicly disclosed.

The proposed bill also removes the limitation on use of the PURF for personnel to employees under the registration and education sections of the Pesticides Branch, opening potential use of the funds for all personnel. The PURF, with the current license fee schedule and expenditure requirements, cannot support all staff beyond the registration and education units. There are currently nine (9) positions supported by the

Revolving Fund, all from the Registration & Technical Review and Education & Certification Units, totaling over \$700,000 per year including salary and fringe benefits. Supporting additional staff would take away opportunities to support activities such as environmental monitoring, outreach efforts, rapid response workshops, and review of new products for potential to leach groundwater resources.

Beginning in January 2017, large farm entities across the state have been participating in the Good Neighbor Program, reporting use of restricted use pesticides (RUP) to the Department monthly. The farming operations participating have, voluntarily, released their RUP spray amounts to the Department by the fifteenth (15th) of the following month in which they were used. The amounts applied are then posted on the Department website, as allowable. The Department recommends letting the statewide voluntary program time to become established to address the reporting aspect of this bill.

Thank you for the opportunity to testify on this measure.



HAWAI'I
CENTER FOR
FOOD SAFETY

House Committee on Agriculture

Hawai'i Center for Food Safety strongly supports: SB804 SD1 Proposed HD1

Dear Chair Creagan, Vice Chair DeCoite and Members of the Committee,

My name is Dr. Ashley Lukens and I am the Director for the Hawai'i 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 800,000 farmer and consumer members across the country, including nearing 11,000 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 agriculture, 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 writing in strong support of SB804 SD1 Proposed HD1 which increases the amount of moneys from the pesticide use revolving fund that the Department of Agriculture may retain to carry out its statutory mandate, establishes mandatory disclosure requirements for commercial agricultural pesticide use, and funds research on the exposure of chlorpyrifos to one hundred pregnant mothers on Hawaii island, Oahu, and Kauai by examining the meconium of newborn babies.

This measure, by mandating the timely disclosure of pesticide information to communities, acknowledges to the community's right to know about the chemicals applied where they live, work, and play, and takes seriously the need to put this requirement into statute so that the community feels the government is playing its proper regulatory role. Modeled after the "Kauai Good Neighbor Program," the state recently launched a voluntary pesticide reporting program so that communities on Oahu, Molokai, and Maui will have better access to data on pesticide use. **Although a good stepping-stone, voluntary programs are an unreliable compromise to mandatory disclosure. The data is not verified by any party nor mandatory for timely**

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submission which leads to uncertainty at the validity of reporting.

The pesticide use of industrial agriculture in Hawaii warrants concern and increased oversight. For example, the Kaua‘i Good Neighbor Program data shows that, between December 2013 to November 2016, 6,121.3 gallons and 5,102.34 pounds of concentrated restricted use pesticides were applied on Kaua‘i by the five participating companies (Syngenta, DuPont-Pioneer, Dow AgroSciences, BASF and Kaua‘i Coffee). The companies applied these restricted use pesticides to some portion of the **12,500 acres** they own or lease on Kaua‘i.

Mitigating potential chronic exposure through disclosure and notification takes a precautionary approach towards protecting the future of our keiki by providing doctors and the community with the necessary data they need to determine if adverse health outcomes in Waimea are linked to increased pesticide use by the GE Seed industry. Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds from neighboring agricultural lands, or from pesticide residues.^{1,2} **It is critical that the state take action to reduce childhood pesticide exposure because toxic exposure to pesticides during fetal,³ neonatal,⁴ and infant life can disrupt critical developmental processes.⁵** Early life pesticide exposure has been linked to long-term health effects including cancer,⁶ decreased cognitive function,^{7,8,9} behavior problems,^{10,11} birth defects and other adverse birth

¹ Alarcon WA et al. 2005. Acute illnesses associated with pesticide exposure at schools. *Journal of the American Medical Association* 294(4): 455-465.

² 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.

³ 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.

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

⁷ 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.

⁸ 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.

⁹ 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.

¹⁰ 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.

outcomes,^{12,13} and asthma.¹⁴

Specifically, according to a 2012 report by the American Academy of Pediatrics (AAP) entitled “Pesticide Exposure in Children,” children exposed to chronic, low-level exposure to restricted used pesticides are at a risk of neurodevelopmental disabilities like autism and ADHD^{15,16,17,18}, leukemia^{19,20,21}, and asthma^{22,23,24}.

¹¹ 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.

¹² 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.

¹³ 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.

¹⁴ 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.

¹⁵ Rauh VA, Garfinkel R, Perera FP, Andrews HF, Hoepner L, Barr DB, Whitehead R, Tang D, Whyatt R (2006) Impact of prenatal chlorpyrifos exposure on neurodevelopment in the first 3 years of life among inner-city children. *Pediatric* 118(6): e1845-e1859. www.pediatrics.org/cgi/content/full/118/6/e1845.

¹⁶ Roberts EM, English PB, Grether JK, Windham GC, Somberg L, 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.

¹⁷ Eskenazi B, Marks AR, Bradman A, Harley K, Barr DB, Johnson C, Morga N, Jewell NP(2007) Organophosphate pesticide exposure and neurodevelopment in young Mexican-American children. *Environmental Health Perspectives* 115(5): 792–798.

¹⁸ Bouchard MF, Chevrier J, Harley KG, Kogut K, Vedar M, Calderon N, Trujillo C, Johnson C, Bradman A, Barr DB, Eskenazi B (2011) Prenatal exposure to organophosphate pesticides and IQ in 7-year-old children. *Environmental Health Perspective* 119(8): 1189–1195.

¹⁹ 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.

²⁰ Roberts JR, Karr CJ (2012) Pesticide Exposure in Children. Council on Environmental Health. *Pediatrics* 130(6): e1757-e1763. <http://pediatrics.aappublications.org/content/130/6/e1757.full.html>.

²¹ Monge P, Wesseling C, Guardado J, Lundberg I, Ahlbom A, Cantor KP, Weiderpass E, Partanen T (2007) Parental occupational exposure to pesticides and the risk of childhood leukemia in Costa Rica. *Scandinavian Journal Work Environmental Health* 33(4): 293-303.

²² Hoppin JA, Umbach DM, London SJ, Alavanja MCR, Sandler DP (2002) Chemical predictors of wheeze among farmer pesticide applicators in the Agricultural Health Study. *American Journal of Respiratory and Critical Care Medicine* 165: 683-689.

²³ 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. *Environmental Health Perspective* 112(6): 760–765.

²⁴ Strina A, Barreto ML, Cooper PH, Rodrigues LC (2014) Risk factors for non-atopic asthma/wheeze in children and adolescents: a systematic review. *Emerging Themes in Epidemiology* 11(5). <http://www.ete-online.com/content/11/1/5>.

Chronic exposure is the expected outcome when a company sprays pesticides year-round, two of three days, up to 16 times a day, as is done for example by DuPont on Kaua‘i.ⁱ

Exposure is all the more likely under windy conditions (spray drift) and when it’s still and hot (vapor drift). Although spraying is often officially prohibited under such conditions by on-label warnings, there is abundant evidence that it occurs, and occurs frequently, nonetheless.ⁱⁱ Pesticides can drift onto children playing out of doors, and can even infiltrate homes and classrooms.ⁱⁱⁱ

Indeed, 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 and state oversight of pesticide exposure do not take into account chronic exposure to local pesticide use. 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. Mandatory public disclosure of pesticide use, given the pesticide practices of the growing GE Seed Industry in Hawaii is a common sense next step in ensuring that the health of our communities is not sacrificed for industry profit.

Respectfully,



Ashley Lukens, PhD
Director, Hawaii Center for Food Safety

ⁱ Jervis G, Smith K (2013) Presentation by plaintiffs’ attorneys in lawsuit by Waimea, Kaua‘i residents against Pioneer, DuPont. July 13, 2013. <http://vimeo.com/70580803>.

ⁱⁱ AAPCO (2002) Letter from Donnie Dippel, President of Association of American Pesticide Control Officials, to Jay Ellenberger of EPA, March 25, 2002.

ⁱⁱⁱ Li QX, Wang J, Boesh R (2013) Final Project Report for Kaua‘i Air Sampling Study. University Department of Molecular Bioscience and Bioengineering.



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OUR MISSION

HCIA is a Hawaii-based non-profit organization that promotes modern agriculture to help farmers and communities succeed. Through education, collaboration and advocacy, we work to ensure a safe and sustainable food supply, support responsible farming practices and build a healthy economy.

TESTIMONY FROM BENNETTE MISALUCHA, EXECUTIVE DIRECTOR

In Opposition of SB 804, SD1, Proposed HD1 Relating to Hawaii Pesticides Law Increases pesticide use revolving fund monies and establishes disclosure requirements for commercial agricultural pesticide use

HOUSE COMMITTEE ON AGRICULTURE

March 22, 2017, 8:30 a.m.

Conference Room 312

Chair Creagan and members of the committee:

The Hawaii Crop Improvement Association (HCIA) is a Hawaii-based non-profit organization that promotes modern agriculture to help farmers and communities succeed. 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 SB 804, SD1, Proposed HD1** which seeks to increase the amount of pesticide use revolving fund monies the Hawaii Department of Agriculture (HDOA) can maintain and establishes disclosure requirements for commercial agricultural pesticide use.

Foremost, HCIA supports increasing the pesticide revolving fund ceiling to support HDOA in its regulatory efforts as described in SB804 SD1. However, we cannot support the proposed HD1 measure that targets the most careful applicators of pesticide in the State, as shown by a 2015 HDOA study, and adversely affects other agricultural enterprises when implemented. If disclosure for the sake of notification is the intent of this measure, then all pesticide applicators should be included, not just agriculture.

Furthermore, we assert that the Restricted Use Pesticide (RUP) threshold to trigger mandatory disclosure in this measure is arbitrary and should be based on scientific fact. Additionally, identifying applications by TMK and Ahupua'a is challenging on agricultural land, as most farms span multiple TMK and Ahupua'a and do not have distinct landmarks to identify the separation.

The pesticide revolving fund was created to fund the pesticide program's registration and licensing, certification and education, and compliance monitoring activities. It was not intended to fund medical studies on specific chemistries. Funding a study on chemistry that is currently being reviewed by the EPA with a mandatory result window ending on March 31, 2017, is redundant and not the mandate of the HDOA. If necessary, clinical studies should be overseen by the Hawaii Department of Health (HDOH).



HAWAII CROP IMPROVEMENT ASSOCIATION

HCIA recognizes the importance of pesticides as a tool to protect both agricultural product and Hawaii's citizenry. We support efforts that help maintain and assess the proper regulation and enforcement of these tools. The HDOH and the HDOA recently implemented a version of the good neighbor program statewide. We believe that waiting for the results of this program is the best approach regarding pesticide application notification, as it will help dictate the appropriate next steps.

Thank you for the opportunity to provide our comments in opposition of this measure.

Respectfully submitted,

Bennette Misalucha
Executive Director



March 22, 2017

The Honorable Richard Creagan
Chair, House Committee on Agriculture
Hawaii State Capitol, Room 331
Honolulu, HI 96813

RE: SB 804; RELATING TO HAWAII PESTICIDES LAW (OPPOSE)

Dear Chairman Creagan and Members of the Committee:

On behalf of the Western Plant Health Association (WPHA), I am writing in opposition to SB 804, which would require the establishment of a mandatory statewide reporting program for restricted and general use pesticides in agricultural settings. WPHA represents the interests of fertilizer and pesticide manufacturers, agricultural biotechnology providers, and agricultural retailers in Hawaii, California, and Arizona.

WPHA appreciates the committee's interest in assuring pesticide safety; however, we believe the bill as amended is unnecessary, and will result in additional costs to farmers and the state.

WPHA supports the expansion of the good neighbor program to a voluntary statewide program. However, we believe before the program is considered as a mandatory program it should be allowed to mature as a statewide voluntary program to determine the strengths and weaknesses of the program at that level. On a statewide basis, there may be components of the program that should be eliminated or expanded for some participants. Requiring disclosure of pesticide applications beyond what is already mandated by the product label is a costly and unnecessary burden to place on farmers. Providing time for the program to mature as a voluntary program will allow the Hawaii Department of Agriculture (HDOA) to determine exactly what needs to be disclosed and eliminate unnecessary costs and burdens on Hawaii's agricultural industry.

The program will have to expand to include all pesticide users, not just those involved in commercial agriculture or the information the program is intending to collect will be incomplete from the program's inception.

WPHA would note, that only one state in the United States has implemented a mandatory use reporting program because of the prohibitive costs to farmers and the

state. WPHA believes that Hawaii's pesticide users will face prohibitively high costs as well. We feel these costs are unjustified especially when you consider the structure of the program will not collect valid data from the start.

WPHA is opposed to HDOA engaging in clinical studies of pesticides. This is an inappropriate role for HDOA. The United States Environmental Protection Agency (USEPA) undertakes extensive studies to establish the safety of products, including around sensitive population groups. Pesticide registrants must provide USEPA proof of their safety through multiple exposure scenario studies specific to the settings in which they will be used. These rigorous studies are designed by the USEPA to ensure safe use protocols are developed. USEPA specifically establishes use requirements in recognition of use in these settings. If USEPA's scientific analysis results in a determination that if restrictions are needed to protect surrounding communities or sensitive populations, then USEPA requires these measures as part of the product label. The stringent application protocols require farmers and applicators to provide these safeguards. This process has been reviewed by independent scientific entities including the National Academy of Sciences, which has validated the process as being protective of human health and who has expressed their belief that states undertaking redundant activities to USEPA are not a productive use of state resources.

WPHA is also opposed to the Pesticide Revolving Fund being utilized to fund a specific small sample-size study by the University of Hawaii on chlorpyrifos. Extensive studies on the safety and use of chlorpyrifos have been undertaken by USEPA, and it is anticipated that a decision on availability for the use of this chemistry will be made later this month. WPHA believes that this particular study is not a good use of the pesticide revolving funds because of its high cost, the length of time needed to undertake the study, and the number of studies that have already been conducted on this chemistry. The state would be better served by increasing education, training and enforcement to ensure all pesticide users are operating safely and following label instructions.

Sincerely,



Renee Pinel
President/CEO



House Committee on Agriculture

Board of Directors:

Hawai'i Alliance for Progressive Action strongly supports: SB 804 Proposed HD1

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Dear Chair Creagan, Vice Chair DeCoite and Members of the Committees,

My name is Anne Frederick and I am the Executive Director for the Hawai'i Alliance for Progressive Action (HAPA). HAPA is a statewide environmental, social and economic justice organization. HAPA engages over 10,000 local residents annually through our work.

I am testifying in strong support of SB804 PROPOSED HD1 increasing the ceiling of the pesticide use revolving fund in order to implement the JFF Study Group's recommendations, REQUIRING mandatory disclosure of pesticide use by the largest users of restricted use pesticides AND SUPPORTING INCREASED SCRUTINY OF THE IMPACTS OF CHLORPYRIFOS.

While we applaud this measure's mandate to protect the State's environment and resident's from unintended impacts of large-scale pesticide use, we also STRONGLY urge the committee to amend SB 804 HD1 AS FOLLOWS:

THE STATE DEPARTMENT OF AGRICULTURE SHALL DEVELOP RULES TO IMPLEMENT THE FOLLOWING THREE ADDITIONAL PROVISIONS WITHIN 12 MONTHS FROM THE EFFECTIVE DATE OF THIS BILL

1) Advanced notification to communities WITHIN ONE MILE OF THE APPLICATION AREA THAT MAY BE SUSCEPTABLE TO PESTICIDE DRIFT

2) Increase the frequency of THE POST APPLICATION reporting from an annual basis to a monthly basis.

3) BAN THE USE OF CHLORPYRIFOS IN THE STATE OF HAWAII

Given the concerns that residents across our state have expressed around large pesticide users operating near schools, homes and other sensitive areas and management challenges of this issue faced by the SDOA, it is clear that additional resources are needed to properly staff and manage enforcement efforts.



Currently there are at least 27 schools in Hawai'i located within a mile of fields where agricultural companies like Monsanto and Dow Chemical spray restricted-use pesticides. The children and faculty in these schools are at a heightened risk of exposure to pesticides that drift from these industrial operations.

While disclosure is absolutely essential to health and environmental testing and monitoring, residents cannot take precautionary protective measures unless there is pre-notification of pesticide use. This is especially critical in places where people go to school, live, and work near fields where they may be exposed on a chronic basis to pesticide use. Minimizing this exposure by closing windows or removing oneself from the area can only be done if residents have pre-application notification.

To be meaningful for testing and monitoring, disclosure must be more frequent and precise. We suggest a monthly basis at most. Moreover, disclosure requirements must indicate more precisely when and where pesticides were used in reports. If left too general, this data will be meaningless to environmental and health testing and monitoring.

The State/County sponsored Joint Fact Finding study group (JFFSG) did an exhaustive 18 month review of existing health and pesticide data on Kaua'i and issued its report in 2016. The data gathered during the JFFSG process indicate that Kaua'i west side residents living adjacent to test fields suffer from numerous health conditions at higher rates than residents living anywhere else on Kaua'i. These health conditions/indicators include: Developmental Delay (3 to 8 year olds), ADHD, Easter Seals Enrollment (age 0 to 3), Infant Mortality, Mothers Pre-Existing Health Conditions, Cancer Mortality, Stroke Mortality, Admissions for Bacterial Pneumonia, COPD or Asthma (elderly), Dialysis Patients (per 1,000) and other disabilities.

These are all conditions or health indicators in which the incidence of occurrence by people living on the west side exceed all other Kaua'i communities. This is why it is so important that the recommendations put forward by the State government funded JFFSG report actually be funded and implemented by the State.

In 2016 HAPA circulated a 4 point petition and collected signatures from 2,628 Hawai'i resident's calling on State Legislators to "require full disclosure of pesticide use by the largest users of restricted use pesticides". The signed petition is attached for your review.

SB804 Proposed HD1 is an important step toward fulfilling the objectives and recommendations contained within the State sponsored JFFSG report and I strongly encourage this committee to pass this measure with the proposed amendments today.

Respectfully,

Anne Frederick, Executive Director
Hawai'i Alliance for Progressive Action



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

In Opposition to the Proposed SB 804 HD 1– Relating to Hawaii Pesticides Law

Wednesday, March 22, 8:30 am – House Committee on Agriculture

Aloha Chair Creagan and Committee Members,

CropLife America represents the manufactures and registrants of pesticide products that are used for agriculture production. We and our farmers are committed to using these valuable crop protection products in a manner that is safe for agricultural community as well as our neighbors. But we are in strong opposition to the Proposed HD 1 for SB 804.

A strong state pesticide regulatory program is essential to assuring the public that valuable pesticide products are used properly. We believe that the original intent of SB 804 was to provide that support to the Hawaii State Department of Agriculture by ensuring that funding continues to remain available in the revolving fund, instead of being rolled over to the general fund due to an arbitrary cap. Hawaii’s agricultural community is sincere about addressing public safety. We believe we can do this best by supporting the pesticide branch of the Dept. of Agriculture through SB 804 and other bills that will provide them with the necessary funds.

The Proposed HD 1 jeopardizes a sincere and legitimate legislative opportunity to provide the DOA with the necessary funding to address concerns about pesticides and provide them with the tools to expand enforcement, monitoring and education.

Please pass out SB 804 in its original version.

Mahalo for your consideration.

From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 20, 2017 11:12 AM
To: AGRtestimony
Cc: sylviacabralmaui@gmail.com
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/20/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
sylvia cabral	Individual	Support	No

Comments: Is the monies the dept of ag the reason the state will not rid the islands of these poison products.? Take care of the islands, the lands, the children, the residents. Your job is to remove gmo from the islands. like cock roaches they will only proliferate. Stop gmo now.

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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To: AGRtestimony
Cc: 808nateyuen@gmail.com
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Nathan Yuen	Individual	Support	No

Comments: I strongly support SB804 SD1 which requires agrochemical operations that use more than 10 pounds of restricted-use pesticides in any year to submit annual reports detailing their applications of all pesticides. Pesticides like chlorpyrifos are known to cause birth defects, neurological disorders, and respiratory problems. Requiring those who use poisonous and toxic chemicals that have the potential to harm young children and the elderly should be required to report how much of the chemicals they use and where they are using them. Please pass SB804 SD1. Mahalo for considering my testimony.

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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To: AGRtestimony
Cc: geesey@hawaii.edu
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Yvonne Geesey	Individual	Support	No

Comments: As a health care professional I strongly urge our legislators to support this measure.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 7:00 AM
To: AGRtestimony
Cc: kaiwiki.1970@gmail.com
Subject: *Submitted testimony for SB804 on Mar 22, 2017 08:30AM*

SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Randy Cabral	Individual	Oppose	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 6:32 AM
To: AGRtestimony
Cc: shannonkona@gmail.com
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 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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From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 20, 2017 11:40 PM
To: AGRtestimony
Cc: begoniabarry@gmail.com
Subject: *Submitted testimony for SB804 on Mar 22, 2017 08:30AM*

SB804

Submitted on: 3/20/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Barbara Barry	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 20, 2017 10:56 PM
To: AGRtestimony
Cc: birdofparadise@hawaii.rr.com
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/20/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Andrea Nandoskar	Individual	Support	No

Comments: Aloha, Please support this bill. There should be more funding for State agencies to investigate and regulate pesticide use, especially when scientific studies confirm that use of these pesticides, even in small quantities, is harmful to humans and the Earth. It's the public's right to know what is being applied in their neighborhood, especially in large quantities by chemical/ag companies. Please do right by this bill and protect the keiki. Mahalo for your consideration.

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 20, 2017 9:53 PM
To: AGRtestimony
Cc: psolomonlcs@gmail.com
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/20/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Paul Solomon	Individual	Support	No

Comments: Please pass this bill to safeguard our health.

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 20, 2017 9:40 PM
To: AGRtestimony
Cc: akamaimom@gmail.com
Subject: *Submitted testimony for SB804 on Mar 22, 2017 08:30AM*

SB804

Submitted on: 3/20/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Felicia Cowden	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 20, 2017 6:43 PM
To: AGRtestimony
Cc: tboh18@yahoo.com
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/20/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Ted Bohlen	Individual	Support	No

Comments: Please pass proposed HD 1. Members of the public have a right to protect their health, especially vulnerable keiki and elderly, including by knowing what potentially toxic restricted use pesticides in what quantities are being applied when by larger users, particularly in their neighborhoods. There should be more funding for State agencies to investigate and regulate pesticide use. Mahalo!

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, March 20, 2017 5:51 PM
To: AGRtestimony
Cc: mendezj@hawaii.edu
Subject: *Submitted testimony for SB804 on Mar 22, 2017 08:30AM*

SB804

Submitted on: 3/20/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Javier Mendez-Alvarez	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 8:55 AM
To: AGRtestimony
Cc: arbeit@hawaiiantel.net
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Wendy Arbeit	Individual	Support	No

Comments: I strongly support the disclosure of the use of pesticides, including restricted use, general use, and experimental use pesticides. We have a right to know the amount and kind of poisons being used on our lands.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 8:35 AM
To: AGRtestimony
Cc: Bmcd63@gmail.com
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Elizabeth McDermott	Individual	Support	No

Comments: I support HD1 as a first step toward compelling full disclosure of pesticide use by large operators. That disclosure should occur PRIOR to these chemicals being sprayed so that our communities can take steps to protect themselves, but annual disclosure would be an improvement at least, as a temporary measure.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 10:59 AM
To: AGRtestimony
Cc: mmcardle19@aol.com
Subject: *Submitted testimony for SB804 on Mar 22, 2017 08:30AM*

SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Peggy McArdle	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 10:56 AM
To: AGRtestimony
Cc: tiare@hapahi.org
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Tiare Lawrence	Individual	Support	No

Comments: Please pass this bill. Pesticide disclosure for commercial users is a good compromise to help address community concerns and will allow parents to take preventative measures to protect their children from exposure. I strongly SUPPORT this bill.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 10:36 AM
To: AGRtestimony
Cc: jennahia@yahoo.com
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Jennifer Noelani Ahia	Individual	Support	No

Comments: It is imperative that we as a local community as well as a global community take action to prevent the further poisoning of our land, waters, people and all living things. Pesticide disclosure is one very small but important step towards understanding and studying the true impacts of pesticide exposure. We must be diligent and whole the agribusiness industry accountable.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 10:07 AM
To: AGRtestimony
Cc: moss.jade.e@gmail.com
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Jade Moss	Individual	Support	No

Comments: Mahalo for giving this important issue Aloha, the breath of life, once again. In reviewing this bill, I believe it is sufficient and will be effective in regulating this harmful industry. Jade Moss Kalaheo

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Monsanto Hawaii
94-520 Kunia Road
Kunia, Hawaii 96759

March 22, 2017

HEARING BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

TESTIMONY ON
SB 804, SD 1,
PROPOSED HD 1
RELATING TO HAWAII PESTICIDE LAW

Chair Creagan, Vice Chair DeCoite and members of the committee:

My name is Dan Clegg. I am the Monsanto Hawaii Business Operations Lead. Our farms are located on Maui, Molokai and Oahu and we have about 700 full time employees and 200 seasonal workers at our peak.

Thank you for allowing us to testify on SB 804, SD 1, Proposed HD 1.

Safety is Monsanto's number one priority. Safety for our employees who work and live around our farms, safety for our communities and neighbors, and the health and well being of our environment. Monsanto is committed to being a responsible steward of the land. We utilize soil and water conservation practices and an integrated pest management program that implements all appropriate pest management options on all of our farms.

The Department of Agriculture's statewide voluntary good neighbor program that includes both restricted use pesticide reporting and community outreach is a well rounded approach as it brings communities together to understand the pesticide used in our daily lives, and more specifically in agriculture. We should allow the Department of Agriculture's program to evolve and develop over time. We are also concerned over the arbitrary threshold of RUP use specified as the criteria for mandatory reporting.

We prefer the original intent of this bill that increases the amount of pesticide use revolving fund moneys the Department of Agriculture can maintain for pesticide education, outreach and enforcement.

For these reasons, we are opposed to SB 804, SD 1, Proposed HD 1.

Thank you.

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 9:20 AM
To: AGRtestimony
Cc: cushmanzoo@hawaiiantel.net
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

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

Comments: I strongly support SB804 SD1.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 1:43 PM
To: AGRtestimony
Cc: bob-marion@hawaiiantel.net
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Marion McHenry	Individual	Support	No

Comments: It is so important that this bill is passed. We need disclosure for large use of restricted use pesticides. This is important for the public welfare.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 1:38 PM
To: AGRtestimony
Cc: laurieho1@hawaiiantel.net
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Laurie Ho	Individual	Oppose	No

Comments: Aloha Chair Creagan and members of this Committee, I wish to strongly oppose this bill SB804's edits. The intent was to help HDOAg with registration, licensing, certification and EDUCATION; along with compliance monitoring. Mahalo for this opportunity to submit testimony via email.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 1:35 PM
To: AGRtestimony
Cc: wao-hsl@WeAreOne.cc
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Joseph Kohn MD	We Are One, Inc. - www.WeAreOne.cc - WAO	Support	No

Comments: Stop poisoning paradise! www.WeAreOne.cc

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**LARRY JEFTS FARMS, LLC
PO BOX 27
KUNIA, HAWAII 96759
(808) 688-2892**

SB804sd1,hd1proposed
Relating to Agriculture
House AGR Hearing
Weds March 22, 2017 – 8:30 am
Written Testimony by: Larry Jeffs
Position: Support SB804sd1
Oppose SB804 hd1 proposed

Chair Creagan, 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.

Strong support is expressed for SB804sd1, which increases the amount of the Department of Agriculture's (DOA) pesticide use revolving fund to allow it to carry out its statutory mandate. The DOA's requested cap increase from \$250,000 to \$1,000,000 will increase the DOA's capacity to conduct training and outreach. This is crucial to ensuring pesticides are used appropriately and it will curtail the illegal and inappropriate misuse of pesticides which endangers the health of people and the environment. In addition, increased funds will facilitate the DOA's response to increased requests for disposal of pesticides and pesticides containers, and to conduct supplemental studies for groundwater review and water sampling.

Opposition is expressed for the HD1 Proposed Amendments:

As a commercial agricultural entity providing residents with nearly 1 million pounds of fresh produce a week, 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.

Concerns about pesticide application and safety of employees and surrounding neighbors are a common concern of farmers, families and policy makers. Ongoing discussions about the safety of pesticide applications as a means of reducing the risk of exposure have prompted our comments from a farm perspective.

Responsible and licensed pesticides application is a necessary tool for agriculture production in Hawaii where the year-round tropical climate is ideal for insects, fungus and other plant disease. Even certified organic farms use non-synthetic pesticides to control pests.

As responsible farmers, we use pesticides that are registered by the US EPA, which have been vetted for safety and ensure protection of communities, farm workers and sensitive populations. We follow federal and state requirements for application and reporting.

HD1 Proposed Amendments, which states purchases or use in excess of 10 pounds or 10 gallons annually of restricted use pesticides, unfairly targets large-scale farm production because generally speaking, the larger the farm production acreage, the larger the pesticide application.

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 will have less annual use or purchase of pounds or gallons of restricted use pesticides but are often at the greatest risk for non-compliant pesticide applications and increased exposure to risk.
- We suggest that pesticide application be thought of in terms of pounds of production yield. Comparatively, organic farmers use far more pesticides because their production yield is less.

HD1 Proposed amendments does not include schools, child care facilities and family child and group child care centers for mandatory pesticides reporting and disclosure. It does not include residential users, who are often the cause of misapplication of products and are in proximity to sensitive populations. It does not include termite building exterminators, landscapers or golf courses in proximity to sensitive populations. All of these entities should be included in the mandatory disclosure and notification requirement if the true intent is to protect the community and workers.

Thank you for the opportunity to submit testimony.



To Chair Creagan, Vice Chair DeCoite and committee members,

On behalf of our more than 550 registered members, we want to thank you for amending SB804 to include mandatory pesticide disclose language for large agrochemical farm operations. This language creates a common sense safeguard for public health by providing scientists and public officials with the data necessary to make informed decisions when it comes to keeping our people—particularly vulnerable segments of the population like our keiki and kūpuna.

On the southwestern side of Kaua‘i, Waimea Canyon Middle School, a health clinic and a veterans’ hospital all line up in front of a GMO test field operated by Syngenta. Steady northeasterly trade winds averaging between 8 and 9 mph blow almost daily across the test fields and into town. In two incidents in 2006 and 2008, students at the Waimea school were evacuated and about 60 were hospitalized with flu-like symptoms including dizziness, headaches and nausea.

A study detected traces of the toxic pesticide chlorpyrifos in the air both inside and outside the school. Chlorpyrifos is one of seven restricted-use pesticides consistently sprayed by the four transnational agribusinesses that use Kaua‘i fields to test both their GMO seeds and the chemicals they are designed to be paired with. The companies claimed that chemicals emitted by stinkweed were to blame for the bouts of illness, but that chemical is found in the air at similar concentrations elsewhere on the island and have never caused any health problems. Moreover, the concentrations of airborne pesticides were found at much higher levels in Waimea than elsewhere on the island.

Some of the pesticides in use on the test fields around Waimea are toxic enough to pose a serious health threat to its population of roughly 1,900, even when used according to directions. These are classified as “restricted use pesticides,” meaning they are more tightly regulated by the Environmental Protection Agency than “general use pesticides.”

In response, the county passed Ordinance 960, which required mandatory disclosure of the use of these

restricted use pesticides as well as the total amounts and contents of pesticide sprays. On August 25, 2014, the federal district court for Hawai‘i vacated Kaua‘i County’s law. Now it is up to the state to implement this common sense safeguard for the environment and for public health.

Kaua‘i is Ground Zero for the intense domestic political battle over genetically modified crops. But the fight isn’t really about the merits or downsides of GMO technology. It’s about pesticides. The four transnational agribusinesses that are experimenting with genetically engineered crops on Kauai have transformed part of the island into one of the most toxic chemical environments in all of American agriculture.

For the better part of two decades, Syngenta, BASF Plant Science, DuPont Pioneer and Dow AgroSciences have been spraying their test fields near Waimea with some of the most dangerous synthetic pesticides in use in agriculture today, at an intensity that far surpasses the norm at most other American farms, an analysis of government pesticide databases shows. Each of the seven highly toxic chemicals most commonly used on the test fields have been linked to a variety of serious health problems ranging from childhood cognitive disorders to cancer. And when applied together in a toxic cocktail, their joint action can make them even more dangerous to exposed people.

The restricted-use chemicals used most heavily on the GMO test fields of Kaua‘i are alachlor, atrazine, chlorpyrifos, methomyl, metolachlor, permethrin and paraquat. The annualized per-acre usage of the bug-killers chlorpyrifos and permethrin on Kaua‘i is the highest in the nation and significantly greater than in California, which leads all mainland U.S. states. In total, the usage of these chemicals on Kaua‘i is more than 10 times greater than the national average.

Six of the seven restricted-use pesticides are suspected of being endocrine disruptors, which can cause sexual-development problems in humans and animals, according to the EPA, including atrazine, a Syngenta product. Tyrone Hayes, an endocrinologist at the University of California-Berkeley whose reputation has been viciously attacked by Syngenta, has raised particular concerns about the potential gender-bending effects of even tiny amounts of atrazine.

Four of the seven heavily used restricted pesticides are also suspected carcinogens. And between them, the seven have been linked to, among other things, neurological and brain problems and damage to the lungs, heart, kidneys, adrenal glands, central nervous system, muscles, spleen and liver. The public has many other reasons to be wary of these chemicals. One of the suspected carcinogens, the bug-killer permethrin, is also thought to be toxic to the kidneys and liver, as well as to reproductive and neurological systems.

Alachlor degrades into about 20 metabolites, five of which are carcinogenic. At just five parts per billion, alachlor can cause a rare form of cancer of the lining of the nose, according to *Poison Spring: The Secret History of Pollution and the EPA* (Bloomsbury Press, 2014), a personal memoir by E. G. Vallianatos, drawn from his 25-year career in the EPA’s Office of Pesticide Programs. Paraquat, a weed killer, is neither a suspected carcinogen nor endocrine disruptor, but is so toxic that it has been banned in all of Europe because of evidence linking it to Parkinson’s Disease. Finally, the bug-killer methomyl, like chlorpyrifos, is a neurotoxin that affects brain functions.

The EPA knows little about the synergistic effects, or combined toxicity, of multiple chemicals when people are exposed to them at the same time. But it recently observed that the joint action of atrazine and chlorpyrifos can result in “greater than additive toxicity.” In another example, the combined action of the insecticides permethrin and chlorpyrifos has been shown to be “even more acutely toxic” than

the sum of each, according to Vallianatos' book.

Combine these chemicals together and the effects are aggravated, especially in the developing bodies and brains of children and fetuses. In other words, the whole cocktail can pack a bigger punch than the sum of its ingredients.

As if all that weren't bad enough, there's reason to believe that the chemical companies might be violating federal rules about the application of the restricted-use pesticide products on Kaua'i. The rules are supposed to ensure that the pesticides do their damage to bugs and weeds, not kids.

Consider Dow's Lorsban, which consists of about 45 percent chlorpyrifos. Lorsban is the single-most heavily applied restricted-use pesticide product used on the Kaua'i test fields. The EPA prohibits its application whenever the wind blows greater than 10 mph. The average wind speed in Waimea is between 8 and 9 mph, according to the National Weather Service, meaning that on many days the spraying of Lorsban might not even be legal.

When the Waimea school was tested for chemicals several years after the kids grew ill and had to be evacuated, chlorpyrifos—Lorsban's active ingredient—was still present inside and outside the building, although at levels "well below health concern exposure limits." However, some still fear that its use in the fields contributed to the need to evacuate the school.

Although it took scientists 30 years to detect the link between chlorpyrifos and cognitive problems in children, more troubling connections between agricultural chemicals and childhood development are being established. The American Association of Pediatrics contends that "a growing body of epidemiologic evidence" points to "associations between exposure to pesticides in young children and a range of diseases from childhood cancers to autism."

For decades, researchers have been publishing reports about children who died or were maimed after exposure to chlorpyrifos, either in the womb or after birth. While chlorpyrifos can no longer legally be used around the house or in the garden, it is still legal to use on the farm. But researchers are finding that children aren't safe when the insecticide is applied to nearby fields.

Chlorpyrifos belongs to a class of pesticides known as organophosphates, which are designed to interfere with the way insect brains operate. They can also interfere with human brains. A 2000 EPA review of "incidents" caused by chlorpyrifos in an urban setting notes, "Children under six were three times more likely to be hospitalized, five times more likely to be admitted for critical care in an intensive care unit (ICU), and three times more likely to have experienced a life-threatening outcome or death when exposed to an organophosphate than when exposed to non-organophosphate pesticides."

"Toxic exposure during this critical period can have far-reaching effects on brain development and behavioral functioning," said Virginia Rauh, a professor at the Columbia University's School of Public Health. "Some small effects occur at even very low exposures."

In 2008, another Columbia University study of 265 children found that, after pregnant women were exposed to chlorpyrifos, their babies had a lower intelligence rating. In 2011, researchers at the Mt. Sinai School of Medicine in New York linked chlorpyrifos to a reduction in a child's ability to solve problems.

From 1998 to 2011, the CHAMACOS (Center for Health Assessment of Mothers and Children of

Salinas) studies were conducted on farm workers near Salinas, California. The studies examined associations between prenatal and postnatal exposure to low levels of organophosphate pesticides like chlorpyrifos and cognitive abilities in school-age children. The studies found that higher concentrations of chlorpyrifos in the mothers' urine were linked to declines in working memory, processing speed, verbal comprehension, perceptual reasoning and IQ of their children. Children of mothers with the greatest urinary concentrations had an average deficit of seven IQ points compared with those in the lowest concentrations—the equivalent of being a half-year behind their peers, according to *The Nation*.

In California, quarter mile buffer zones around schools were put in place in two of the state's agricultural counties (Tulare and Kern) when local residents documented contamination in school air using PAN's Drift Catcher. The communities worked closely with Californians for Pesticide Reform to mount an effective campaign and win the protective buffer zones. Rates of illness connected to chemical exposure have significantly been reduced following implementation of these buffer zones.

We know that these chemicals are extremely dangerous—particularly to children. Even in an agricultural setting, these chemicals can have severe adverse effects on nearby populations. We know that these corporations are turning out huge profits through using Hawaii's resources, including its people, and we know that they're being allowed to do this with virtual impunity and with almost no contribution back into our communities. Even the jobs they purport to be creating for local families are transient at best. Eventually these companies will leave Hawaii. And many of the field workers that are at highest risk to exposure are immigrant laborers shipped in from outside the state. We know a lot about the effects these companies have on our state, but we don't know enough about the chemicals themselves or the potential safety risks and health hazards involved. This knowledge is the absolute least our people and our state deserve from these companies. Please pass this bill as amended and support it moving forward. The health and safety of your constituents—our members—depends on it.

Lee A. Evslin, M.D.
levslin@gmail.com

I support the intent of SB NO. 804 with H.D.1 proposed. I was one of the two physicians on the JFF. I am board certified pediatrician and former CEO of Wilcox Hospital and Kauai Medical clinic.

There is increasing concern about pesticide exposure from all sources including agricultural operations. The list below refers to some of the science behind this growing concern.

1. The American Academy Of Pediatrics (AAP) and the American College of OB-GYN (ACOG) have position papers expressing their concerns about pesticides. There is particular concern about chronic low-level exposure particularly to the fetus and the young child. These exposures can be from food, household spraying and/or agricultural spraying.
2. Project TENDR consists of leading North American “scientific and medical experts”. They state, “We are witnessing an alarming increase in learning and behavioral problems in children.” They state that there has been a 17 percent increase in developmental disabilities in just the past 10 years. Pesticides also lead their list of environmental toxins of concern.
3. A UN Panel of experts presented a scathing report to the UN on March 8, 2017. They were highly critical of the global corporations that manufacture pesticides. This is obviously a controversial report.
4. Well-respected studies done by universities in California are showing increases in autism, decreases in IQ, and increases in behavioral disorders in the children of mothers who were pregnant and lived near agricultural spraying or worked in agriculture. Some of these studies have correlated these adverse findings with finding pesticide metabolites in the urine of the mothers under study.
5. The prestigious long-running Agricultural Health Study has shown associations between agricultural pesticide use and cancer, Parkinson’s disease, endocrine disorders, asthma, neurologic disorders and a variety of other diseases.

6. Chlorpyrifos is the second most heavily sprayed RUP on Kauai. It is a known neurotoxin and considered particularly dangerous to the unborn child. Last year the EPA called for prohibiting its use in the US due to concerns about its toxic nature, worker safety, and contaminating surface water. The EPA has also announced that at normal levels of spraying it is likely to “adversely affect” 97 percent of endangered species. A final EPA decision on the recommended prohibition is due at the end of this month.

The problem is how do we move forward now to protect the public **and** not discourage farming and food self-sufficiency?

I believe that the JFF recommendations are good steps and as some of these are represented in the proposed language of this bill I approve of the bill. (It should be noted that these recommendations are similar to regulations in place in California and to the prudent recommendations made by our Kauai state representatives in a recent op-ed article in the Garden Island.) The recommendations include:

1. Expand the current Kauai-based good neighbor policy to the entire state and make it verifiable and mandatory.
2. Establish science-based buffer zones around sensitive areas. These would not be uniform and we may be able to use California’s efforts in this direction as a prototype. The results of the environmental testing could also play a role in establishing these buffers.
3. Provide for environmental monitoring in communities that may be at risk for exposure to pesticides. This would mean environmental testing of house dust, soil, surface water and perhaps biologic monitoring of populations at particular risk, such as pregnant women.
4. I believe that reporting should be by the larger agricultural companies which are using large amounts of RUPs. Golf courses and termite companies should also report. The bills should clearly exclude farms using minimal to no RUPs.
5. There will be increasing international pressure to include non-RUPs such as glyphosate (Roundup), 2,4-D, and pyrethroids in the disclosure statements. I believe that at the very least the annual amounts of these pesticides should be disclosed by all

- government organizations and by all companies who use these chemicals over a certain threshold.
6. There should be public notice of all pesticide spraying in parks and in other areas where children might play.

Good legislation is a win for all parties because it can increase safety, help protect the public, and hopefully make all parties feel listened to. The responsibility for pesticide regulations has been clearly placed in the hands of the state legislators. I hope that the legislature, the Department of Ag and the DOH can all work together to put these recommendations in place.

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 3:03 PM
To: AGRtestimony
Cc: kgma1956@gmail.com
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Mark H. Kijima	Individual	Oppose	No

Comments: I oppose the proposed amendment. Why target agriculture? If the intent is find sources of pesticide exposure, examine ALL sources of pesticides, including consumer goods and structural pest control.

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TERESA TICO, ATTORNEY
P.O. Box 220
Hanalei, HI 96714
(808) 639-9080



March 21, 2017

TO: Hawaii Senate
FROM: Teresa Tico
RE: SB804

Please vote for SB804. The Ninth Circuit Court of Appeals has ruled: It is the responsibility of the State of Hawaii to pass pesticide disclosure bills. I am still confounded by what happened to the House version of this bill. It looked like unethical, backdoor political maneuvering that killed it. Thank you Representative Creagan for reviving transparency and ethics in political decision making. I urge every Senator to vote in favor of this bill.

There is no such thing as a good poison. While the chemical companies would have you believe that their poisons are harmless, the science proves otherwise. Today, glyphosate, for example, the active ingredient in RoundUp and a probable carcinogen, is found in nearly every human being, in our blood and urine. This poison is now ubiquitous, throughout the world. It has permeated our air, soil, ground water, oceans and reefs. It is found in mother's breast milk. It is found in our children's cereals including Cheerios and dozens of snacks such as Oreos, Fritos and Doritos. When it is sprayed on experimental GMO fields in Hawaii, the resulting chemical drift can travel for hundreds of miles. Whichever direction the wind is blowing, all of us are impacted, eventually. The entire State of Hawaii should be a buffer zone. And there are dozens more chemicals such as chlorpyrifos and atrazine that are sprayed regularly--the same chemicals that are banned in many other countries. To not require disclosure, at a minimum, is criminal in my thinking. I am a lawyer and I know that to allow such harmful activity when you are in a position to stop it, or at least stop the secrecy, makes you colluders with the chemical companies. Yes, colluders. Please look up the definition if you disagree.

As an attorney and documentary filmmaker, I have interviewed dozens of Waimea, Kauai residents who live on Menehune Road. Too many homes have at least one cancer victim residing therein. Too many children are suffering from allergies. Whatever allergies they have cannot be treated with over-the-counter medication. They end up in ER on a regular basis. These people have not consented to being subjected to chemical drift. The chemical companies are violating the Nuremberg Code, according to Robert Kennedy Jr. who has studied the impacts of these chemicals on the environment and living species.

This Has To Stop and It Can Start with your vote in support of SB804. Mahalo.
Teresa Tico

Testimony by Lynn B. Wilson, PhD

21 March 2017

SB804

House Agriculture Committee Hearing- 3/22/17



Strong Support for SB804- Disclosure & Buffer Zones

Dear Chair Creagan, Vice Chair DeCoite, and Members of the Committee,

My name is Lynn B. Wilson, and I have focused research on the impact of environmental toxins and agrochemical pesticides on young children for many years, working primarily with pediatric and early childhood communities.

I am writing in strong support of SB804. The importance of this bill is underscored by the American Academy of Pediatrics report and policy statements on pesticides: with a 400% increase in childhood chronic diseases over the past 50 years, we need to REDUCE the RISK OF EXPOSURE for pregnant women and young children.

Hawai'i's communities have no choice but to live, work, and commute daily in areas under threat of constant toxic pesticide applications- outdoor experiments to which we have not given consent- and we do not yet have access to detailed information that will allow us to protect ourselves from this vital threat. Children in utero and early childhood who are exposed to low-level restricted use pesticides are at higher risk of neurodevelopmental disabilities like autism and ADHD, and leukemia and asthma as well as other adult onset cancers.

With agrichemical companies spraying 2 out of every 3 days of every year and with these companies using experimental combinations of pesticides that have not been evaluated by health researchers, mandatory public disclosure will ensure that industrial agriculture is held responsible for the potential impacts of its pesticides on the health of our families, our communities, and the environment.

When will Hawaii lawmakers wake up and protect our families and communities from the toxic onslaught of intensive, extensive pesticide use by chemical companies on our islands? This bill represents a good start.

Thank you for considering my testimony, passing this bill will go a long way to protect Hawaii's keiki.

Mahalo + Aloha,
Lynn B. Wilson, PhD
Waipahu, HI

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 3:55 PM
To: AGRtestimony
Cc: athurston@irmt.org
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

LATE

SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

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

Comments: I support this bill strongly. It is essential that pesticide use should be monitored closely.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 3:46 PM
To: AGRtestimony
Cc: ygetemail@yahoo.com
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM



SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Joanna Maile Pokipala	Individual	Support	No

Comments: Aloha mai kākou, My name is Joanna Maile Pokipala. I am in SUPORRT of SB804. This will make people accountable of what they are using on their plants and give others the ability to know as well. As stewards of the land we all need to be accountable and responsible of what we use and how we use them. Resources are limited. Please support this bill and make all accountable.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 3:19 PM
To: AGRtestimony
Cc: elif.beall@gmail.com
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Elif Beall	Individual	Support	No

Comments: I am testifying in strong support of SB804 Proposed HD1 increasing the ceiling of the pesticide use revolving fund in order to implement the JFF Study Group's recommendations, requiring mandatory disclosure of pesticide use by the largest users of restricted use pesticides and supporting study on the impacts of chlorpyrifos. Thank you! Elif Beall Kilauea, HI

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 3:17 PM
To: AGRtestimony
Cc: john.from.stl@alumni.stanford.edu
Subject: *Submitted testimony for SB804 on Mar 22, 2017 08:30AM*

LATE

SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

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

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 5:38 PM
To: AGRtestimony
Cc: rob@browerhomes.com
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

LATE

SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
robert brower	surfrider foundation kauai	Support	No

Comments: this is a common sense bill, introduced by a medical doctor, to help safeguard the environment and public health

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AGRtestimony

From: Jacqueline Simone Ambrose <ambrosejs@gmail.com>
Sent: Tuesday, March 21, 2017 6:10 PM
To: AGRtestimony
Subject: SB804

To whom it may concern -

This email is being sent in support of SB804. I did not use the Hawaiian Legislature site for sending support due to a warning that it is not a secure site (red padlock!)

Mahalo!

Ms. Jacqueline S. Ambrose

Hawaii Farmers Union Haleakala chapter.

--

"We are all wardens of the land we inhabit, therefore morally obligated to protect wildlife and the environment for future generations. Otherwise we have failed in our duty as human beings".

Jacqueline Simone Ambrose

<http://www.carinawaterwells.org/>

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 5:57 PM
To: AGRtestimony
Cc: audgere@yaho.com
Subject: *Submitted testimony for SB804 on Mar 22, 2017 08:30AM*



SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Audrey Tamashiro-Kamii	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 6:19 PM
To: AGRtestimony
Cc: aparachini@parachinigroup.com
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM



SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Allan Parachini	Individual	Oppose	No

Comments: My apologies for not filing this sooner, but the proposed gutting and replacing revisions of this bill only take Hawaii backward in terms of finding effective ways to address the ongoing controversy concerning pesticides, GMO crops, etc. The amendments offered by Mr. Creagan are counterproductive. The bill as drafted establishes a fee system that is not unreasonable. However, weighing this legislation down with provisions that may, or may not, pass the scientific sniff test is counterproductive. The Legislature's best option here is to make it clear to HDOA that its performance in monitoring pesticide use and disclosure is under intense scrutiny. Further weighing down this obligation with amendments of questionable scientific validity is counter productive and to be avoided. Thank you

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 6:23 PM
To: AGRtestimony
Cc: tulsigreenlee@icloud.com
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/21/2017
Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Tulsi Greenlee	Individual	Support	No

Comments: I strongly support this bill. At the least we should know what these companies are spraying. Thank you Tulsi Greenlee

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 7:09 PM
To: AGRtestimony
Cc: Sniau@hawaii.edu
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/21/2017
Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

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

Comments: I am testifying in support of the SB804 HD1 Proposed revisions that include required disclosure of pesticides and other agricultural chemicals in excess of 10 pounds a year as well as allotting funding to test chemical levels in pregnant women. We have a right to know what kinds of potentially harmful chemicals we are being exposed to, and if they are not harmful, and cause no adverse effects, then there should be no problem in disclosing this information to the public.

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

HOUSE COMMITTEE ON AGRICULTURE

TESTIMONY ON SB 804 SD1 HD1 PROPOSED: RELATING TO HAWAII PESTICIDES LAW

Room 312
8:30 am

Aloha Chair Creagan, Vice Chair DeCoite, and Members of the Committee:

I am Randy Cabral, President of the Hawaii Farm Bureau (HFB). Organized since 1948, the HFB is comprised of 1,900 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 supports the original intent of SB 804 but **respectfully opposes the PROPOSED SB 804 SD1 HD1** that could negatively impact every commercial farmer in Hawaii, including small family farmers.

We support the original purpose of the bill which was to increase the amount of money that the Department of Agriculture may retain and use from the pesticide use revolving fund in order to carry out its statutory mandate. It makes sense that the moneys from the pesticide use revolving fund should be used by the DOA pesticide branch, as that money comes from pesticide licensing and registration fees and would otherwise lapse to the general fund.

HFB strongly opposes the proposed HD1 which is based on the false premise that the new law will only apply to large-scale commercial agricultural operations and that its requirements will protect the environment and residents. These are our concerns:

- If the toxicity and use of restricted use pesticides are a concern, why are only farmers being targeted by this bill? Shouldn't all RUP purchasers and users be held to the same requirements?
- Extensive recordkeeping and disclosure requirements will hit smaller farmers the hardest and will not provide any additional measure of protection.
- Because of the bill's very low threshold regarding the amount of RUPs bought or used over a one year period, **many Hawaii farmers will be impacted by this bill**. A single application of some RUP products on as little as 1 acre can exceed

the threshold amount specified in the bill. If an average farm in Hawaii is about 5 acres, this bill could easily affect the average farmer.

- **The bill could affect ALL Hawaii farmers immediately.** If a farmer never uses any RUPs all year, but at the end of the year is hit by a devastating pest that threatens to wipe out his entire crop, he may need to buy a RUP and use it. In most cases, these products are not sold in miniscule quantities so even a single purchase may put the farmer into the category of users included in this bill. ***All farmers would therefore need to document ALL pesticide use (RUP and non RUP) over the entire year,*** just in case they may need to use a RUP at some point.

HFB is also concerned about the use of the fund to provide a grant to UH to *develop* a study regarding chlorpyrifos exposure in pregnant women. Is this an appropriate use of DOA funds? Will the study itself also be paid for by the fund? If so, the fund will need to be expanded exponentially since these types of studies are extremely costly.

Thank you for the opportunity to provide our comments on this measure.

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, March 22, 2017 4:42 AM
To: AGRtestimony
Cc: bmurphy420@mail.com
Subject: *Submitted testimony for SB804 on Mar 22, 2017 08:30AM*

LATE

SB804

Submitted on: 3/22/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Brian Murphy	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, March 22, 2017 4:41 AM
To: AGRtestimony
Cc: mary@mauivortex.com
Subject: *Submitted testimony for SB804 on Mar 22, 2017 08:30AM*



SB804

Submitted on: 3/22/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Mary Whispering Wind	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, March 22, 2017 4:40 AM
To: AGRtestimony
Cc: mary@mauivortex.com
Subject: *Submitted testimony for SB804 on Mar 22, 2017 08:30AM*

SB804

Submitted on: 3/22/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Mary Whispering Wind	Individual	Support	No

Comments:

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Sent: Wednesday, March 22, 2017 2:42 AM
To: AGRtestimony
Cc: hapagurl7669@yahoo.com
Subject: *Submitted testimony for SB804 on Mar 22, 2017 08:30AM*

SB804

Submitted on: 3/22/2017
Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Theodora Akau Gaspar	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 11:21 PM
To: AGRtestimony
Cc: mindyolvera@gmail.com
Subject: *Submitted testimony for SB804 on Mar 22, 2017 08:30AM*

LATE

SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Melinda Buck	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 10:17 PM
To: AGRtestimony
Cc: 2spiralbirth@gmail.com
Subject: *Submitted testimony for SB804 on Mar 22, 2017 08:30AM*

SB804

Submitted on: 3/21/2017
Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
pahnelopi mckenzie	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 10:03 PM
To: AGRtestimony
Cc: carol@hartfeltkauai.com
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/21/2017
Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Carol Hart	Individual	Support	No

Comments: I strongly support this bill because I live in Kekaha, West Kaua'i and my family, friends and other community members have and continue to be severely impacted by the spraying of pesticides near our homes, schools, hospitals, and waterways. PLEASE do the right thing and afford us at least some kind of protection immediately.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 9:51 PM
To: AGRtestimony
Cc: wendygibson9@gmail.com
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/21/2017
Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Wendy Gibson	Individual	Support	No

Comments: Yes, please do support this bill so that the Department of Agriculture is properly funded so that it may execute the responsibility of pesticide use oversight.

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To: AGRtestimony
Cc: drgamby@gmail.com
Subject: *Submitted testimony for SB804 on Mar 22, 2017 08:30AM*

SB804

Submitted on: 3/21/2017
Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Tanya Gamby	Individual	Support	No

Comments:

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Sent: Tuesday, March 21, 2017 9:46 PM
To: AGRtestimony
Cc: freundtheresa@gmail.com
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/21/2017
Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Theresa Freund	Individual	Support	No

Comments: Aloha, My name is Theresa Freund and I live in Nuuanu. I am very much concerned about the high amounts of pesticide being sprayed in Hawaii and its effects on our health and especially children's health. Therefore I am writing to urge your strong support of SB804. This bill requires that the state protect our keiki's health by requiring disclosure and notification of toxic pesticides I am deeply concerned with the effects long-term pesticide application and pesticide drift are having on our keiki at schools. There is nothing more important than the health and safety of our keiki, which is why we must demand that these agrichemical companies say what they spray and give us space. Advanced notification disclosing pesticide use would give the school officials a chance to close windows and even move class locations to avoid direct drift contact. While the voluntary Kaua'i pesticide disclosure program will ultimately be "expanded" by the state Department of Agriculture, voluntary programs are an unreliable compromise to mandatory disclosure. There is neither outside verification nor a no hard deadline for submission, so it's impossible to know if the data is accurate and valid. Please give us a chance to protect our keiki. Thank you kindly for considering my testimony in strong support of the measure.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 9:42 PM
To: AGRtestimony
Cc: plentovi@hawaii.edu
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

LATE

SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Sheldon Plentovich	Individual	Support	No

Comments: I support disclosure requirements for commercial agricultural use. The scientific evidence linking pesticides] use to health issues such as cancer is undeniable. It is unfathomable that pesticides are used adjacent to schools and houses without mandatory disclosure. Please put an end to this dangerous practice now.

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Sent: Tuesday, March 21, 2017 9:40 PM
To: AGRtestimony
Cc: hokuokekai50@msn.com
Subject: *Submitted testimony for SB804 on Mar 22, 2017 08:30AM*

SB804

Submitted on: 3/21/2017
Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Mary Lacques	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, March 21, 2017 9:34 PM
To: AGRtestimony
Cc: 333cory@gmail.com
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/21/2017
Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Cory Harden	Individual	Support	No

Comments: Aloha legislators, Please support greater oversight of pesticide use. Shouldn't pesticide users welcome this action, as one that will demonstrate they are acting responsibly? mahalo, Cory Harden

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Sent: Tuesday, March 21, 2017 9:05 PM
To: AGRtestimony
Cc: clareloprinzi@gmail.com
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/21/2017
Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
clare loprinzi	Birth Sovereignty	Support	No

Comments: It is essential that this bill be passed. Crucial...for our keiki, land, waters, air. Three Birth Sovereignty Board members attended the Pesiticides and our children workshop DOH put on 10 days ago, these doctors were appalled that the amount of pesticides being used in our state is allowed. We explained that Hawaii DOH, EPA and chemical companies and too many legislatures are all working together. Please pass all bills that will allow us to show that we want to live, we want the cancers to leave, the earth to be clear, waters and all life in our oceans to be safe. Aloha ...mahalos

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To: AGRtestimony
Cc: clareloprinzi@gmail.com
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/21/2017
 Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
clare loprinzi	Birth Sovereignty	Support	No

Comments: It is essential that this bill be passed. Crucial...for our keiki, land, waters, air. Three Birth Sovereignty Board members attended the Pesiticides and our children workshop DOH put on 10 days ago, these doctors were appalled that the amount of pesticides being used in our state is allowed. We explained that Hawaii DOH, EPA and chemical companies and too many legislatures are all working together. Please pass all bills that will allow us to show that we want to live, we want the cancers to leave, the earth to be clear, waters and all life in our oceans to be safe. Aloha ...mahalos

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SB804

Submitted on: 3/21/2017
Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
clare loprinzi	Birth Sovereignty	Support	No

Comments: It is essential that this bill be passed. Crucial...for our keiki, land, waters, air. Three Birth Sovereignty Board members attended the Pesiticides and our children workshop DOH put on 10 days ago, these doctors were appalled that the amount of pesticides being used in our state is allowed. We explained that Hawaii DOH, EPA and chemical companies and too many legislatures are all working together. Please pass all bills that will allow us to show that we want to live, we want the cancers to leave, the earth to be clear, waters and all life in our oceans to be safe. Aloha ...mahalos

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To: AGRtestimony
Cc: begoniabarry@gmail.com
Subject: *Submitted testimony for SB804 on Mar 22, 2017 08:30AM*

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SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Barbara Barry	Individual	Support	No

Comments:

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Sent: Tuesday, March 21, 2017 8:11 PM
To: AGRtestimony
Cc: Lauraramirez87@hotmail.com
Subject: *Submitted testimony for SB804 on Mar 22, 2017 08:30AM*



SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
laura Ramirez	Individual	Support	No

Comments:

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Cc: kshimata@hawaiiintel.net
Subject: Submitted testimony for SB804 on Mar 22, 2017 08:30AM

SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Kathy Shimata	Individual	Support	No

Comments: I believe that we can reduce the amount of pesticides we use. Here's a step to see how much we're using.

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Sent: Tuesday, March 21, 2017 7:34 PM
To: AGRtestimony
Cc: ofstone@aol.com
Subject: *Submitted testimony for SB804 on Mar 22, 2017 08:30AM*

LATE

SB804

Submitted on: 3/21/2017

Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Jeri Di Pietro	GMO Free Kaua'i	Support	No

Comments:

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Sent: Wednesday, March 22, 2017 9:43 AM
To: AGRtestimony
Cc: helgaonmaui@yahoo.com
Subject: *Submitted testimony for SB804 on Mar 22, 2017 08:30AM*

SB804

Submitted on: 3/22/2017
Testimony for AGR on Mar 22, 2017 08:30AM in Conference Room 312

Submitted By	Organization	Testifier Position	Present at Hearing
Helga Fiederer	Individual	Support	No

Comments:

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