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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 ENERGY AND ENVIRONMENTAL
PROTECTION**

February 4, 2016
8:00 A.M.
CONFERENCE ROOM 325

**HOUSE BILL NO. 2574
RELATING TO ENVIRONMENTAL PROTECTION**

Chairperson Lee and Members of the Committee:

Thank you for the opportunity to testify on House Bill 2574. This bill establishes notification and disclosure requirements for all outdoor application of pesticides, restricted and general use, by any entity that purchases or uses in excess of 15 pounds or 5 gallons of restricted use pesticides in the preceding calendar year. The Department of Agriculture (HDOA or Department) has strong reservations about HB 2574.

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

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



bystanders, potential off-target drift, and volatilization before EPA grants a registration number for the product.

The bill's requirement for prior public notification of outdoor pesticide applications of any pesticide, whether restricted use pesticides (RUPs) or not, exceeds EPA label requirements without apparent scientific basis. The bill's requirement for recordkeeping and annual pesticide use reporting for all outdoor applications to HDOA for public posting will necessitate the hiring of additional Department staff to handle this reporting activity. The commercial agricultural entities required to submit this pesticide use information may claim that some of the required information is confidential business information protected from public disclosure under section 92F-13(3), HRS, of the Uniform Information Practices Act, also known as the State public records law. If the determination is made that the confidentiality claim is justified, that information could not be publicly disclosed.

In summary, the Department believes that the risk of pesticide exposure to children, the elderly, infirm and the potential harm to the sensitive areas from pesticide use have been thoroughly investigated and evaluated by the EPA's pesticide product registration process. The Department will continue to enforce the use of pesticides in accordance with the pesticide label.

Additionally, this bill appears to unfairly target only one segment of the farming community. The Department supports all agricultural activity that is being conducted in accordance with federal, state, and county regulations.

Thank you for the opportunity to present testimony.



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

In opposition to HB 2574

Thursday, Feb. 4, 8:00 am – House Committee on Energy and Environment

Aloha Chair Lee and Committee Members,

CropLife America represents the manufactures and registrants of pesticide products that are used for agriculture production. We recognize the need for these valuable crop protection products to be used in a manner that is protective to schools, children and sensitive environmental areas. But we are opposed to HB 2574.

Farmers in Hawaii – large and small - have been working the land for generations. They have an interest and a responsibility to keep their land safe and healthy for use both today and in the future. Restricted Use Pesticides (RUPs) are tools they use to protect their land from weeds and pests and are part of important Integrated Pest Management (IPM) strategies embraced by the agricultural community. If RUPs could not be safely used, farmers would not use them.

RUPs are restricted in that they may only be applied by or under the supervision of a trained and certified applicator and are not available to the general public. These special applicators are required to follow certain special rules, such as applying only during certain times or at certain locations or leaving untreated buffer areas. That doesn't mean RUPs are necessarily more toxic than other pesticides. Unlike other pesticides, applicators must be recertified by the Hawaii Department of Agriculture every 5 years which helps ensure that these pesticides are applied safely and according to label instructions.

A strong state pesticide regulatory program is essential to assuring the public that valuable pesticide products are used properly. We believe that the legislature has an opportunity to provide that support to the Hawaii State Department of Agriculture through HB 504 which provides them with the funding to strengthen their capacity to regulate pesticides in the state. Incidents involving the evacuation of students from 11 schools around the state were the result of homeowner misuse and failure to follow the label so public education would be an appropriate directive of the department through the use of these funds. If lawmakers are sincere about addressing public safety, support the pesticide branch of the Dept. of Agriculture through HB 504.

Mahalo for your consideration.

Kauai Coffee Company, LLC
PO Box 530
Kalaheo, Hawaii 96746

Testimony Submitted the
House Committee on Energy & Environmental Protection
February 3, 2016
On
HB 2574
Relating to Environmental Protection

Chair Lee and committee members:

Wayne Katayama, President and General Manager, on behalf of Kauai Coffee Company, LLC is submitting written testimony in opposition to this bill that focuses the monitoring of restricted use pesticide to commercial agricultural users that purchases or uses more the five pounds or fifteen gallons of Restricted Use Pesticide (RUP) annually.

Good public policy must be fact based. I encourage the committee to examine pesticide usage in its entirety. Pesticide by definition is a system disrupter that when applied kills "pests." Given this committee's concern with "...evaluate the full extent of any impacts accruing to Hawaii's environment or its residents and to decide whether the risks associated with the large-scale commercial agricultural use of the pesticides across the State are acceptable." And "The direct, indirect, and cumulative impacts on the environment and public health related to long-term intensive commercial use of pesticides have yet to be properly or independently evaluated." Based on data of RUP purchased state wide, agriculture accounted for ONE-THIRD of the annual RUP purchased.

We live in the community that our farm is located. Our employees and their families attend schools, churches and social functions around our farm. We take seriously the responsibility of keeping our workers, their family members and those that live next to our farm safe from pesticide exposure. We have licensed pesticide applicators on staff. We train our employees on the safe handling and application of ALL material in compliance with instructions stated in the Safety Data Sheets (SDS). We employ a stainable agricultural practice that insures that our people and environment are protected.

Please do not move forward HB2574 in its present form.

Thank you

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Council Services Division
4396 Rice Street, Suite 209
Lihue, Kauai, Hawaii 96766

February 2, 2016

**TESTIMONY OF GARY L. HOOSER
COUNCILMEMBER, KAUAI COUNTY COUNCIL
ON**

HB 2574, RELATING TO ENVIRONMENTAL PROTECTION
House Committee on Energy & Environmental Protection
Thursday, February 4, 2016
8:00 a.m.
Conference Room 325

Dear Chair Lee and Members of the Committee:

Thank you for this opportunity to provide testimony in strong support of HB 2574, Relating to Environmental Protection. My testimony is submitted in my individual capacity as a Councilmember on the Kauai County Council.

The purpose of this measure is to protect the State's environment and residents from the unintended impacts of large-scale pesticide use by requiring reporting guidelines for large-scale, outdoor commercial agricultural operations across the State, and establishing disclosure and public notification requirements for outdoor application of pesticides, especially in environmentally sensitive areas. The State currently does not have an adequate regulatory structure in place to monitor the human health impacts of pesticides drift near sensitive populations, and drift from restricted use pesticides may have lingering effects on the environment long after the initial exposure. Children, the elderly, and other sensitive residents who may have no choice but to live, work, and commute in close proximity to areas where restricted use pesticides are being sprayed. Living in exposed areas has been linked to long-term health effects, including cancer and other serious diseases, decreased cognitive function, and behavioral problems.

For the reasons stated above, I urge the House Committee on Energy & Environmental Protection to support this measure. Should you have any questions, please feel free to contact me or Council Services Staff at (808) 241-4188.

Sincerely,

GARY L. HOOSER
Councilmember, Kauai County Council



House Committee on Energy and Environmental Protection

Hawai'i Center for Food Safety strongly supports: HB2574

Dear Chair Lee, Vice Chair Lowen and Members of the Committee,

My name is Dr. Ashley Lukens and I am the Hawai'i Director for the Center for Food Safety (CFS). CFS is a nationwide public interest, sustainable agriculture nonprofit organization whose mission centers on furthering the public's right to know how their food is produced, through labeling and other means. We have over 750,000 farmer and consumer members across the country, including nearing 10,000 in Hawai'i. On behalf of CFS and our members, I thank you for the opportunity to speak to you today regarding this important bill.

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

I am also a former adjunct professor of Political Science at UH Mānoa and UH West O'ahu, where I have taught classes on food, agriculture, and policy from 2006-2014.

I am writing in strong support of HB2574, which requires that the state protect keiki and kupuna health by requiring notification and disclosure of toxic restricted-use pesticides around sensitive areas like schools.

The "Kauai Good Neighbor Program" was established to allow companies on Kaua'i to voluntarily disclose pesticide use. This program, although a good stepping stone, is an unreliable compromise to mandatory disclosure. The data is not verified by any party which leads to uncertainty at the validity of reporting.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides only on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee)¹. These acres are thought to be located within the 15,000 acres leased or owned by the companies participating in the program; however, information regarding the locations of where these pesticides are applied is not reported by this program.

HB2574 bill protects our communities who could be potentially impacted by pesticide drift by requiring that restricted-use pesticide users disclose the pesticides they are spraying and notify communities who could be potentially impacted by pesticide drift. **Such regulations are in line with the regulations of 31 other states who understand that it is vital for states to protect children and sensitive populations from the toxic impacts of pesticide use by regulating pesticide use on or around schools.**^{ii,iii,iv}

Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds from neighboring agricultural lands, or from pesticide residues.^{v,vi} **It is critical that the state take action to reduce childhood pesticide exposure because toxic exposure to pesticides during fetal,^{vii} neonatal,^{viii} and infant life can disrupt critical developmental processes.**^{ix} Early life pesticide exposure has been linked to long-term health effects including cancer,^x decreased cognitive function,^{xi,xii,xiii} behavior problems,^{xiv,xv} birth defects and other adverse birth outcomes,^{xvi,xvii} and asthma.^{xviii}

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^{xix,xx,xxi,xxii}, leukemia^{xxiii,xxiv,xxv}, and asthma^{xxvi,xxvii,xxviii}.

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

The direct, indirect, and cumulative impacts on public health regarding the long-term intensive commercial agriculture and associated use of pesticides have not been properly or independently evaluated. Existing federal oversight of pesticide exposure 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.

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

Respectfully,



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

ⁱ Kaua'i Agricultural Good Neighbor Program. (2015). <https://data.hawaii.gov/Health/Kaua-i-Agricultural-Good-Neighbor-Program-RUP-Use-/9pud-c8q5>

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

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

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^{vi} 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.

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^x 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.

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^{xii} 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.

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^{xiv} 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.

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February 4, 2016

HEARING BEFORE THE
HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION

TESTIMONY ON HB 2574

RELATING TO ENVIRONMENTAL PROTECTION
Room 325
8:00 AM

Aloha Chair Lee, Vice Chair Lowen, 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 **strongly opposes** HB 2574, which imposes additional burdens on our local farmers that will hurt them and thwart our State goal of self-sufficiency and sustainability, while providing no additional safety for our communities.

Furthermore, the bill should not pass this committee because it is based on false premises and will institute unjustifiable new restrictions and requirements.

Contrary to the statements made in the bill:

- The number of large-scale, outdoor commercial agricultural operations in Hawaii is in fact, DECREASING, at a time when our State's objective is to foster more commercial farming in order to accomplish agricultural sustainability.
- Farmers use pesticides only when necessary; the application of a pesticide is dependent upon pests and diseases, not whether the farm is large or small, biotech or conventional.
Even a small vegetable farm may have to use the bill's threshold amount of restricted use pesticides during any given year, if pests would otherwise destroy the crop.
- The U.S. EPA strictly regulates all pesticides, including restricted use pesticides, and does not allow any pesticide to be marketed or used unless it deems that the product can be used safely and without unreasonable adverse effects on the environment.

- Detailed information about farmers' use of pesticides is already readily available to the State's regulating agency, the Department of Agriculture.
 - Pesticide complaints are promptly investigated and evaluated by trained and experienced pesticide experts at the Department of Agriculture.
- Environmental monitoring of air, surface water, drinking water, and sediment has shown that there is no threat to people or wildlife from agricultural pesticides.
 - An analysis of impact to Hawaii schools from pesticides over the last nine years clearly demonstrates that farmers' use of pesticides was NOT the cause.
- Kauai's Good Neighbor Program was not based on hazard to the community but was instituted voluntarily by the five large farms on Kauai under extreme political pressure by anti-agricultural biotechnology activists, led by mainland extremist groups.
- The Kauai Good Neighbor Program more stringently restricts farmers' use of pesticides than programs in any other state.
- Farmers are not the major users of restricted use pesticides in Hawaii; in fact, far more restricted use pesticides are put directly into public drinking water and sprayed purposely into people's homes than applied on farms.
 - The bill is inequitable because it exempts **everyone** who applies restricted use pesticides, even those who spray them outdoors--- except farmers--- it only applies to farmers.
- The U.S. EPA continually evaluates agricultural use of pesticides and updates its regulations based on scientifically valid evidence.
- Farmers support community awareness and participation in the regulatory process, along with swift and appropriate enforcement by government agency experts, trained and educated on the complex federal and State pesticide regulations. We are opposed to citizens' lawsuit provisions. Citizen suits are counter-productive to community cohesion, pitting neighbor against neighbor, and are extremely costly, monetarily and emotionally. They often result in settlements that benefit no one except the attorneys.

HFB sincerely believes that misinformation generated by mainland extreme activists has created an atmosphere of fear and misunderstanding of Hawaii's farmers. We are concerned that, along with other pressures that make farming here extremely challenging, further unwarranted restrictions on farming will be the demise of commercial agriculture in Hawaii, and with that, the end of any hope for self-sufficiency.

We hope you will take our concerns into consideration as you deliberate on this bill. Thank you very much for your support of Hawaii's farmers and ranchers.



AMERICANS FOR DEMOCRATIC ACTION

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Marsha Schweitzer, Treasurer	Stanley Chang	Jan Lubin	Emmanuel Zibakalam	Honolulu
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	Fritz Fritschel	Stephen O'Harrow		

Feb. 2, 2016

TO: Honorable Chair Lee and Members of the EEP Committee

RE: HB 2574 Relating to Environmental Protection
Support

Americans for Democratic Action is an organization founded in the 1950s by leading supporters of the New Deal and led by Patsy Mink in the 1970s. We are devoted to the promotion of progressive public policies.

We support HB2574 as it would require reporting guidelines for commercial agricultural operations and establish disclosure of outdoor use of pesticides in various areas. One of the key functions of government agreed upon by liberals and conservatives alike is the function of keeping people safe. Indeed this bill is meant to do just that. Without sufficient guidelines and regulations, pesticides can make us sick. Please give this bill your favorable consideration.

Thank you,

John Bickel
President, ADA Hawaii



Hawaii Crop Improvement Association

Growing the Future of Worldwide Agriculture in Hawaii

**In Strong Opposition to HB2574
Relating to Environmental Protection**

HOUSE COMMITTEE ON ENERGY AND ENVIRONMENTAL PROTECTION
February 4, 2016, 8:00 a.m. at Conference room 325

Aloha Chair Lee, Vice Chair Lowen, and Members of the Committee,

My name is Bennette Misalucha, Executive Director of the Hawaii Crop Improvement Association (HCIA). HCIA is a Hawaii-based non-profit organization promoting agricultural bio tech 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 HB2574.

We believe that HB2574 indiscriminately targets large commercial agricultural operations despite the fact that agriculture only accounts for 25% of RUP use in Hawaii. It ignores recent studies conducted by the Department of Health and the Department of Agriculture which underscore that pesticide use in agriculture has not been linked to incidences related to school evacuations or surface water contamination.

Pesticides are used to control pests and disease carriers, such as mosquitoes, ticks, and rodents. They are used in our drinking water to prevent disease, and in our watersheds to control invasive species. Pesticides are also used in agriculture to control weeds, insect infestation, and diseases that can completely destroy a crop. Even organic agriculture uses pesticides.

Our member companies are very aware of their responsibility to use pesticides properly and they take this duty very seriously. They use trained employees who are experienced in pesticide application to apply them only when necessary. The safety of our employees and the community is of the utmost importance to us and we carefully follow strict Federal and State pesticide laws and regulations. We are regularly inspected by the State Department of Agriculture Pesticide Branch whose duty is to enforce these laws.

Our member companies have been participating in the Department of Agriculture's Good Neighbor program (GNP) on the island of Kauai, and in fact, have been working with DOA for the last six month to do a voluntary expansion of the efforts on a statewide basis. We assert the need to give this voluntary program a chance to work so data can be gathered. Codifying the voluntary program into a statute at this time is premature. HCIA is certain the data will reflect how our member companies adhere to best practices and are serious in their intent to be good stewards of the land.

If the intent of the bill is public protection, then any new requirements should be based on evidence and solid science. Although presumably targeted to affect the seed companies, HB 2574 will also impact other farmers in the state at a time when local agriculture is already besieged by other challenges.

We are also concerned that non-farming uses of pesticides are ignored by this measure. Any new requirement for postings, disclosures and notifications should be applied equitably to all pesticide users rather than agricultural users only. However, since the EPA already analyzes each pesticide to determine what protocols are necessary, and regulates each one accordingly, additional State requirements are unnecessary and a wasteful use of limited State resources.

We appreciate the Chair's good intentions to safeguard the welfare of our residents. We have the same mission and will continue to work with the Department of Agriculture to ensure that goal is accomplished.

HCIA 2014-2016 Board of Directors

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February 4, 2016

The Honorable Chris Lee
Chair, House Committee on Energy & Environmental Protection
Hawaii House of Representatives
Hawaii State Capitol, Rm. 436
Honolulu, HI 96813

RE: HB 2574; RELATING TO ENVIRONMENTAL PROTECTION (OPPOSE)

Dear Chairman Lee:

On behalf of the Western Plant Health Association (WPHA), I am writing to express our **opposition** to HB 2574, which would require commercial agricultural operations to provide additional posting, notifications, and reporting of pesticides. WPHA represents the interests of fertilizer and pesticide manufacturers, agricultural biotechnology providers, and agricultural retailers in Hawaii, California, and Arizona. WPHA appreciates the chair's interest in assuring the safe use of pesticide products; however, we believe this bill is unnecessary, will result in additional costs to the state, and create redundancies to federal and state programs already in place. The bill is aimed at commercial agricultural operations who are already voluntarily participating in the Department of Agriculture's Good Neighbor Programs (GNP). Thus, we respectfully request that the more prudent course of action is to wait until these programs have gathered more data because it is our assertion that it will demonstrate adherence to best practices and existing requirements.

The suggestion that safeguards from pesticide exposure is needed through additional posting or notifications is false. Pesticide registrants who provide products used around sensitive population centers must provide USEPA proof of their safety through multiple exposure scenario studies specific to these settings. 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 additional posting and noticing or use restrictions are needed to protect surrounding communities or sensitive populations, then USEPA requires these measures as part of the product label. When there is a threat, applicators are required to provide posting and notification and adhere to prescribed application protocols.

We believe that if the intent of the bill is to provide real protection, any additional posting and notification would have to be based on a scientific process. This process would require the state to spend millions of dollars to conduct independent scientific studies on products. It is well established that the USEPA assessment process is the most

scientifically sound process in the world, making the additional costs of independent review by the State of Hawaii unnecessary.

WPHA understands that the DOA is already moving to expand the GNP from farms already participating in the program on Kauai to a statewide basis. Therefore, we believe it is premature to codify the GNP in statute. WPHA believes that DOA should have the opportunity to implement the program on a voluntary basis. This would allow DOA time and flexibility to access the strengths and weaknesses of the GNP, and if needed, make recommendations on any improvements that may benefit the overall program and public.

Last year, the Hawaii Department of Agriculture (DOA) conducted an analysis of school-related pesticide complaints over the last several years. See attached March 3, 2015 memorandum. Through this analysis it was determined that allegations of pesticide exposure causing widespread harm are inaccurate. The report clearly demonstrated that the majority of complaints were from home use products, and there have been **no drift incidents** from any farms including large-scale agricultural operations.

Finally, we have grave concerns about the provision that allows for citizens' lawsuits to enforce this law. While citizen engagement and participation is important for any collaborative program like the GNP to be effective, in our experience especially in California, citizen suits are extremely costly and do not promote public safety or public interest. Instead, the enforcement of the law should remain with the Department of Agriculture.

WPHA recognizes that there are public concerns about the safe use of pesticides. We appreciate the chair's intent to help assure that sensitive populations are protected. It seems apparent there is a lack of understanding of requirements on how products are registered and applied. WPHA believes that perhaps a better process would be to provide greater understanding of how products are registered and used through educational programs for the public. For these reasons WPHA **opposes** HB 2574 and asks the committee for a **no** vote. We thank you for your consideration of our comments.

Sincerely,



Renee Pinel
President/CEO

DAVID Y. IGE
Governor

SHAN S. TSUTSUI
Lt. Governor



SCOTT E. ENRIGHT
Chairperson, Board of Agriculture

PHYLLIS SHIMABUKURO-GEISER
Deputy to the Chairperson

State of Hawaii
DEPARTMENT OF AGRICULTURE
1428 South King Street
Honolulu, Hawaii 96814-2512
Phone: (808) 973-9600 FAX: (808) 973-9613

March 3, 2015

MEMORANDUM

TO: Scott E. Enright
Chairperson, Board of Agriculture

FROM: Ken H. Kakesako
Legislative Coordinator

SUBJECT: Information Requested Regarding School Evacuations Due to Pesticide Drift

In response to inquiries made by Senator Gil Riviere through email on February 14, 2015, the following information was collated by the Pesticide Branch staff to address the question of the number of school evacuations that have occurred as a result of pesticide drift.

- 03-01-06 Waiau Elementary School: 6 children and 2 faculty members transported to hospital for observation. Homeowner applicator – Malathion product
- 04-13-06 Aina Haina Elementary School: 50 students taken to hospital for evaluation. Homeowner applicator – Malathion product
- 11-14-06 Waimea Canyon School: 14 students/teachers claimed to suffer from health effects. Eight were sent home. Fire and police and collections manager from the National Tropical Botanical Garden agreed the odor was from blooming stinkweed. Glyphosate was applied during the day. Swab samples did not show glyphosate or Aminomethyl phosphonic acid (AMPA) in samples.
- 05-04-07 Kahuku High & Intermediate Schools: 4 students and 1 teacher sicken. Commercial turf grass farm applicator – Orthene product
- 01-25-08 Waimea Canyon School odor complaint: Ten students went to the ER and six went directly home. A diesel odor was supposedly detected by the students. Syngenta representative confirmed that stinkweed was plowed under and remove by hand and there were no pesticide applications made to fields adjacent to WCS on 1-25-08.
- 02-16-08 St. Joseph School (Waipahu, Oahu). 29 students, 2 teachers sicken. School custodian applicator - Malathion product



- 03-06-08 Highlands Intermediate School: 17 students and staff member complained of reaction to pesticide odor. Homeowner applicator – Malathion product
- 09-28-10 Highlands Intermediate School (Pearl City, Oahu) Treated 15 students, 2 students hospitalized. Homeowner applicator – Malathion product
- 11-25-13 Kaimiloa and Pohakea Elementary School (Ewa Beach): 6 – 7 students, 1 staff member sicken. Homeowner applicator applied Malathion like product. Product given to him by neighbor supposedly an herbicide in unmarked container.
- 12-04-13 Kamiloiki Elementary School (Hawaii Kai): School evacuated 450 students, staff and faculty. 2 students taken to hospital for observation nausea and dry cough. Homeowner applicator – Malathion product
- 12-18-13 Wilcox Elementary School / Boys & Girls Club (Kauai) a dozen students were dizzy and nauseous. : Homeowner applicator – Malathion product
- 03-13-14 Kamaaina Kids at Wilcox Elementary School (Kauai) (A+after-school program); Homeowner applicator – Malathion product
- 04-03-14 Kahaluu Elementary School: Mulch pile (There were some violations by the City & County of Honolulu, Parks & Recreation that were unrelated to the odor.)
- 09-18-14 Honokaa High & Intermediate School: Homeowner applicator (Malathion, Diazinon & volck oil
- 10-27-14 Kapolei Elementary: Homeowner applicator (Malathion used but no particle drift demonstrated)
- 12-17-14 Waiakea Intermediate School: Unable to determine source of odor; Hazmat responded and could not locate odor source.

Should you have any further questions or need for clarification, please feel free to contact Tom Matsuda, Pesticide Branch Manager, at 808-973-9402.

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 9:18 PM
To: EEPtestimony
Cc: warrenmcfb@gmail.com
Subject: *Submitted testimony for HB2574 on Feb 4, 2016 08:00AM*

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Warren Watanabe	Maui County Farm Bureau	Oppose	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 2:00 PM
To: EEPtestimony
Cc: alikamaui@hotmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Alika Atay	Hawaiian Indigenous Natural Farmers	Support	No

Comments: As an organization representing Hawaiian Indigenous natural farming and farmers statewide we, and our 1000s of members are in full support of this bill. This is aligned with our values of Aloha 'Aina.

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 9:11 AM
To: EEPtestimony
Cc: jkimof@msn.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
james Kimo Falconer	MauiGrown Coffee, Inc	Oppose	No

Comments: Please vote in opposition to this bill that will further just the agricultural industry. Thank you Kimo Falconer

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February 3, 2016

Rep. Chris Lee, Chair
House Committee on Energy & Environmental Protection
State Capitol, Conference Room 325
415 South Beretania Street
Honolulu, Hawaii 96813

RE: SUPPORT - HB 2574 – Pesticide disclosure and reporting requirements

Dear Chair Lee and Committee Members,

On behalf of Pesticide Action Network North America, and our 8,500 members in Hawai'i, we wish to support HB 2574 and thank you for considering this commonsense measure to require disclosure of pesticide use from large-scale, outdoor commercial agricultural operations. For the past thirty years, PAN has worked on behalf of the most vulnerable members of Hawai'i's food and farming system, from children and farmworkers, to small-scale farmers and those living at field's edge. And, on behalf of these constituencies, we urge you to pass a bill that would create greater transparency so that they can make informed decisions in their own lives and policymakers can adequately diagnose any potential issues arising from use.

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

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

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

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

Given use and proximity, the legislature can ensure a more informed citizenry that makes better personal and policy decisions by ensuring meaningful disclosure of pesticide use from a handful of large-scale, outdoor agricultural operations. HB 2574 does just that, creating a consistent and comprehensive framework across

Reclaiming the future of food and farming

counties for reporting.

Many states across the country already provide different types of disclosure from sign postings, to written and mailed notification, as well as public registries. Given the proximity of children to hazardous pesticide use, the state should require applicators to take every reasonable step to give adequate notice so that parents, teachers and health professionals can take necessary steps to protect themselves and those they care for. This bill is in line with that goal.

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

I respectfully ask for your support of HB 2574. And please feel free to contact me with any questions at ptowers@panna.org or (808) 206-8868.

Sincerely,

A handwritten signature in black ink, appearing to read "Paul Towers". The signature is fluid and cursive, with the first name "Paul" and last name "Towers" clearly distinguishable.

Paul Towers
Organizing & Media Director

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 7:36 PM
To: EEPtestimony
Cc: nredfeather@kohalacenter.org
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Nancy Redfeather	Hawaii Island School Garden Network	Support	No

Comments: There is now enough scientific evidence showing that community health is impacted negatively by pesticide exposure, especially in sensitive areas such as schools, and community gathering areas, hospitals, elder homes, etc. Pesticide exposure has a negative impact on children's ability to learn. Since we now know, it's our responsibility to act to protect those who cannot protect themselves.

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 11:20 AM
To: EEPtestimony
Cc: info@courtneybruch.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Courtney Bruch	GMO FREE MAUI	Support	No

Comments: Dear Committee members~ On behalf of GMO Free Maui and our 3700+ members we ask that you **STRONGLY SUPPORT** HB2574. Notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawai'i's public health and natural resources. Mahalo, Courtney Bruch GMO Free Maui

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 10:50 AM
To: EEPtestimony
Cc: lho@hawaiipublicpolicy.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Adolph Helm	Dow Agroscience	Oppose	No

Comments: On behalf of the Dow AgroSciences seed farm operations in Hawaii, I would like to express our opposition to HB 2574. Dow AgroSciences uses pest control technologies in an Integrated Pest Management program, which means we make decisions that use the right pest control tool for the job in a manner that minimizes risk from those uses. We are committed to the stewardship of pest control products and the protection of the environment, our workers and our community. The specific conditions of use of a pesticide product are subject to the legal requirements of that product label, including science-based restrictions developed under the authority of the U.S. Environmental Protection Agency and the Hawaii Department of Agriculture. HB 2574 would require sweeping obligations on pesticide users beyond the current, comprehensive requirements. These new obligations are arbitrary in nature and in our opinion would erode a fact-based system specifically designed to protect humans and the environment.

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 5:59 AM
To: EEPtestimony
Cc: gregf@haleakalaranch.com
Subject: *Submitted testimony for HB2574 on Feb 4, 2016 08:00AM*

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Gregory Friel	Individual	Oppose	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 11:03 PM
To: EEPtestimony
Cc: northshoreohana.org@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Colleen Chapman	Individual	Support	No

Comments: My home and my children's school are both less than a mile from GMO test fields. Knowing that GMO crops require spraying of pesticides, I was concerned and called to ask questions. I found out that chlorpyrifos, a known neurotoxin, was sprayed on those fields while I was pregnant. Those of us who live, work, or have children in school close to these agrochemical operations deserve to know what is being sprayed. We want to protect the safety of our keiki.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 10:40 PM
To: EEPtestimony
Cc: spe@urmaui.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Sumner Erdman	Individual	Oppose	No

Comments: This bill begins with the statement: " The legislature finds that the number of large-scale, outdoor commercial agricultural operations in Hawaii has been increasing. Unlike the majority of Hawaii's farmers, these operations regularly apply high volumes of restricted use pesticides into the environment." Where - Maui, Molokai & Lani Pineapple lands? Maui, Big Island, Kauai & Oahu lands? We are losing agricultural enterprises not gaining them. Tell all of us farmers you want us to leave and we will go - but do not insult us by saying that outdoor agriculture is increasing. This bill is insulting to any one in agriculture.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 10:18 PM
To: EEPtestimony
Cc: stephenieblakemore@sbcglobal.net
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

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

Comments: We have the right to know. I am sick and tired of waking up sick and tired from chemical poisoning. They need to tell us what they are spraying, when they are spraying, and like other states, such as California, we need to identify the toxic ingredients and outlaw their use.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 10:16 PM
To: EEPtestimony
Cc: stewart.brady@ymail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
brady stewart	Individual	Support	No

Comments: Excessive pesticide usage is negligent to the responsible husbandry of agricultural land. Such negligent depletion of the capital resource of the soil and its ecosystem of microbiota within the confines of private property is merely an irresponsible misallocation of capital, but not a crime. However, if proof can be shown that pesticide drift transgresses the property border through the processes of the elements of wind and water, such drift should be considered an act of aggression against the life, liberty, and property of neighboring citizens. Any evidence of documentable negative effects to public health or environment should be prosecuted to the full extent of the law.

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 9:41 AM
To: EEPtestimony
Cc: doclrob@yahoo.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
lyle robinson	Individual	Support	No

Comments: Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection, My name is Lyle Robinson and I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas. As a parent and concerned citizen I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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 , , , , leukemia , , , and asthma , , . Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i. Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program . 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. Although the "Kaua'i Agricultural Good Neighbor Program" was established to allow companies to voluntarily disclose pesticide application, this program is an unreliable compromise to mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting. Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure. Sincerely, Lyle Robinson

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SUPPORT HB2574 for PESTICIDE DISCLOSURE

I Live on Maui therefore am sending my testimony by email.

Particularly on Maui there is a lot of agriculture. I like that it keeps our island green. What I don't like is we have no idea what we are exposed to. I know several people who have gotten strange forms of cancer, eye, throat, and bone with no family history. While I cannot prove it is related to use of pesticide and herbicides, no one can prove it is not from that. What I do know is that Round Up produced and used by Monsanto is now stated to be highly suspected for health concerns and carcinogenic.

Maui has already voted and passed the bill for moratorium on GM crops and testing until evidence is produced the crops and herbicides are safe. Logic would tell you an herbicide constantly used on the land on an island that it will get into the ocean. I have seen it used in crops near my home. I have seen round-up sprayed on weeds and grasses in and above cement ditches. When it rains it doesn't take a scientist to know the residue will flow into the ocean. Also, if the products are so good. Why do these companies spend millions to fight putting the notice on labels?

No herbicide should be used on any food for man or animal. The killer in glyphosate disrupts the shikimate pathway in plants. It is said by this company humans do not have this pathway therefore it will not harm humans. However, they fail to mention that the microbes and bacteria in the human body, that outnumber our cells 10 to one do have this pathway. Is there any proof eating this product washes off foods sprayed with this herbicide on it. NO. If it kills the plants on the land how can they prove it does not kill our gut bacteria. These companies are self regulating their studies that do show harm to animals are locked and hidden from the public as 'trade secrets.'

It is an abomination that AG Chemical companies are being allowed to control our politicians and our land based on their word and gifts and donations. I'm speaking only on one product that I have studied intensely and heard testimony of scientists on Maui state the test is to prove no harm. Why is it our own government seeks to protect the company rather than it's constituents. Corporations are not people. We deserve to know what we are breathing and eating. This is our lives you are dealing with. Please don't let money and lawyers of some of the richest companies in the world influence you. Study and read use logic not your pocketbooks. Childrens lives and our health is at stake. Don't let self regulating companies fool you with half truths and out knowt lies.

Sincerely,
Dawn Matney
Maui resident

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 10:04 PM
To: EEPtestimony
Cc: jcwhite54@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Judith White	Individual	Support	No

Comments: I strongly support HB2574 to keep our island safe and healthy.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 9:51 PM
To: EEPtestimony
Cc: jeff@hawaiiantel.net
Subject: *Submitted testimony for HB2574 on Feb 4, 2016 08:00AM*

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Tyler Divino	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 9:49 PM
To: EEPtestimony
Cc: olindaorganicfarm@hawaiiantel.net
Subject: *Submitted testimony for HB2574 on Feb 4, 2016 08:00AM*

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Jeff Lind	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 9:48 PM
To: EEPtestimony
Cc: caveguy@hawaiiantel.net
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Lars Lind	Individual	Support	No

Comments: Please support this important bill! Pesticide drift in Hawaii is a major concern for those living in neighborhoods near agrochemical companies. Pesticides have been shown to cause many health problems including asthma, birth defects, and cancer. We need to have reporting guidelines as well as disclosure and public notification requirements for outdoor application of pesticides. Mahalo for your support!

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 9:47 PM
To: EEPtestimony
Cc: lucindaluna@ymail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
lucinda moran	Individual	Support	No

Comments: This important bill helps to insure the health and safety of the people of Hawaii and protects their right to know about potentially dangerous practices being carried out near them. Please support this bill!

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 9:43 PM
To: EEPtestimony
Cc: maui-martha@hawaiiantel.net
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Martha Lind	Individual	Support	No

Comments: Please support this important bill! Pesticide drift from major agricultural companies is a major concern here in Hawaii. Pesticide exposure is linked to many human health concerns including asthma, autism, adverse birth outcomes, and cancers. We need disclosure and public notification requirements for outdoor application of pesticides in our state! Mahalo for your support.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 9:31 PM
To: EEPtestimony
Cc: info@courtneybruch.com
Subject: *Submitted testimony for HB2574 on Feb 4, 2016 08:00AM*

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Courtney Bruch	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 9:16 PM
To: EEPtestimony
Cc: sarahentm@gmail.com
Subject: *Submitted testimony for HB2574 on Feb 4, 2016 08:00AM*

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Sarah Thompson	Individual	Oppose	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 8:50 PM
To: EEPtestimony
Cc: haenagirl@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
teresa tico	Individual	Support	No

Comments: Mandatory disclosure is absolutely critical for the health and safety of our residents and visitors, and for the protection and perpetuation of our natural resources. Lives and natural resources such as air, water and soil are at stake here. Magistrate Kurren ruled that this is a State matter, not a County matter. So do what is right and follow the law. Make disclosure of pesticide use mandatory State-wide.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 8:49 PM
To: EEPtestimony
Cc: kualaau@hawaii.edu
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Kuulei Kualaau	Individual	Support	No

Comments: I support this bill as it would provide the public the right of public notice for outdoor spraying of pesticides. We need reporting guidelines to regulate the use of pesticide use in Hawai'i. Maui County has said that we do not want the use of pesticides in our County. Please support this bill that would regulate its use.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 8:47 PM
To: EEPtestimony
Cc: begoniabarry@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

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

Comments: We are sick and tired of being science experiments for Monsanto, BASF, Syngenta, Dow Chemical and all the other Chemical Corporations. Where do the restricted uses pesticide containers go? To the landfill? In Monsanto's deep wells? Our air, water, soil and ocean are being poisoned daily. Humans are also being exposed daily with RUP. Stop the experiments. Tell us what we are exposed to. We demand buffer zones around hospitals, schools, housing developments, retirement homes and all public areas. What is being sprayed and how often and how much. Enough is enough, protect your 'Aina and it residents and visitors. If you receive any financial benefit from the Bio Chem/Tech industry, either personally or politically, you should recuse yourself from voting on this measure. You have a serious conflict of interest. The citizens you represent are watching who votes on the Chemical Companies side. Represent the people who elected you!

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 8:45 PM
To: EEPtestimony
Cc: ponosize@hotmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Pono Kealoha	Individual	Support	No

Comments: Stop all Pesticide Spraying for our future and future generation
ALOHA~AINA Mahalo

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 8:34 PM
To: EEPtestimony
Cc: joliewanger@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Jolie Wanger	Individual	Support	No

Comments: I support public disclosure of pesticide spraying.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 8:21 PM
To: EEPtestimony
Cc: mooninfusion@gmail.com
Subject: *Submitted testimony for HB2574 on Feb 4, 2016 08:00AM*

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
mieko	Individual	Support	No

Comments:

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Testimony from Dr. Joe Ritter-Kihe'i Maui Hawaii 96753 House District 11 Senate District 6

I SUPPORT HB2574 for pesticide disclosure and buffer zones around our schools and sensitive areas.

Thank you Representatives Lee, Cullen, Lopresti and Thielen for introducing this important bill.

If you read nothing else read this paragraph: Toxaphene from cotton in the south went all the way to the great lakes and arctic animals. Sprayed on cotton and aerosolized it poisoned people thousands of miles away. This is well documented.

I began my scientific career by coauthoring several peer reviewed publications in the field of **Teratology - birth defects research**. Teratology from the greek word Teras meaning MONSTER is the study of abnormalities of physiological development. I previously held an appointment at the College of Agriculture, Forestry, and Natural Resource Management in Hilo. I have also worked in genetics and flew a genetics payload on space Shuttle mission STS-91. I am an interdisciplinary scientist and Ph.D. Physicist.

On the research fields of Maui Molokai Oahu and Kauai we see the widespread applications of cocktail herbicides and pesticides with as many as 80 components, where claims of safety from research studies are often based on tests of ONLY a single ingredient, not the combination cocktail applied to crops and through run off and drift applied to us. EPA LD50 for single components is therefore meaningless. These combinations are untested. The EPA will confirm this.

30 years ago I developed a novel AI computer program for mining data from decades of birth defects research studies. So at the age of 19 I was the keynote speaker at a Meeting of the Mid Atlantic Reproduction and Teratology Society. I know something about birth defects and toxic chemicals. Our teams peer reviewed, published research addressed these chemical combinations. We used Wistar rats as a test model for human reproductive systems.

We found a significantly increased damaging effect from administering multiple chemicals at the same time. Often a single chemical administered would cause no or low harm statistically but if

multiple chemicals were given together we might see upwards of 50 to 100 % malformed young. Toxicity can be multiplied by 1000! Yes 1000!

This was tremendously helpful in our understanding the biochemical pathways of birth defects, but absolutely disastrous for the animal subjects. Years of science clearly shows that Chemicals administered together have a multiplicatively bad effect on embryos. This Dangerous Potentiative 1000 fold effect of herbicide and pesticide “chemical cocktails” is what terrifies me.

You heard these chemical practices are safe? I reject that. It is undeniable that combined doses can have significantly increased negative health effects that tests using single components simply cannot reveal. Even single components are dangerous: **On Maui Nerve agents are being used by Monsanto.** The chemical in question is called Methyl Parathion, which is an **ACHE, an acetylcholinesterase inhibitor.** The chemical action and poison mechanism of the nerve agent is identical in mechanism to the chemical warfare agents Sarin gas and VX gas, outlawed even in the event of war. Production and stockpiling of Sarin was outlawed by the Chemical Weapons Convention of 1993, and it is classified as a Schedule 1 substance, yet its cousin M-Parathion is sprayed on fields I drive by every day!

I attach here a photo showing this is being sprayed on Monsanto fields on Maui. **This was banned by EPA in 2013 yet sprayed in 2014**

If you think this is ok vote for no disclosure and no buffer zones. Otherwise please vote YES.

This is not farming, and it is most certainly not ok.

Pesticides drift long distances: Toxaphene from cotton in the south went all the way to the great lakes and arctic animals. Sprayed on cotton and aerosolized it poisoned people thousands of miles away. This is well documented.

The following spray log is from a Monsanto field on Maui:

Date	Time	Applicator/Certification #	Crop	Farm/Field #	Brand Name & Formulation	RE
7-10-14	10:00 AM	Dante Alejo-D32602 J Cuaresma-D32601 David Ishii-D32618 Norbert Ujile-D32643 N. Wheeler-D32620 W. Murashige D32598	Corn wheat	2346 2446	Permethrin	
7-10-14	10:30 AM	Dante Alejo-D32602 J Cuaresma-D32601 David Ishii-D32618 Norbert Ujile-D32643 N. Wheeler-D32620 W. Murashige D32598	Corn wheat	1804 2104 1843 2143 1902	Dipel Permethrin Permethrin	
07-15-14	9:00 AM 10:00	Dante Alejo-D32602 J Cuaresma-D32601 David Ishii-D32618 Norbert Ujile-D32643 N. Wheeler-D32620 W. Murashige D32598	Corn wheat		This is Methyl Parathion	PENNCAP-M
		Dante Alejo-D32602 J Cuaresma-	Corn wheat			

Aerosols are particles suspended in the air. This can include vapor droplets. Aerosols from the African Sahara travel to the United States and affect climate. Aerosols from Kilauea travel from Hawaii Island to Kauai and further causing asthmatic attacks. When damaging aerosols are known to travel thousands of miles it is unfathomable that aerosols from fields are being sprayed next to schools in Hawaii. Yet Aerosols that are revolatilized are not considered “drift” by the HI State Dept of Agriculture.

We must disclose the poisons. There are many documented cases of children of Hawaii going to the hospital in ambulances. If you care about the health of the people or the rights of people, then you must vote for buffers and disclosure. If you don't then don't vote for it.

Our state constitution says, **“The State shall conserve and protect agricultural lands, promote diversified agriculture, increase agricultural self-sufficiency and assure the availability of agriculturally suitable lands.”**

I remind you of the constitution of the State of Hawaii article XI-Conservation, control and development of resources: “Section 1. For the benefit of present and future generations, the State and its political subdivisions shall conserve and protect Hawaii's natural beauty and all natural resources, including land, water, air, minerals and energy sources, and shall promote the development and utilization of these resources in a manner consistent with their conservation and in furtherance of the self-sufficiency of the State. All public natural resources are held in trust by the State for the benefit of the people.”

Our constitution demands that you protect our natural resources. Our constitution does not say poison people and children. Please uphold the public trust doctrine.

Dr. Joe Ritter-Kihei Hawaii 96753 House District 11, Senate District 6

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 7:54 PM
To: EEPtestimony
Cc: mauimagic5711@hotmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

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

Comments: SUPPORT this bill. Require disclosure and public notification, from these chemical companies! Protect the people....protect our children!

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 7:44 PM
To: EEPtestimony
Cc: jenniferlvalenzuela@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

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

Comments: Protect our children and land from profit based corporations and their inceasing poisoning of our home.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 7:23 PM
To: EEPtestimony
Cc: fayehreese@yahoo.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Faye H. Reese Brenner	Individual	Support	No

Comments: This is a common sense bill. It is for the benefit of the people.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 7:03 PM
To: EEPtestimony
Cc: wwmsteiner@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
William W. Steiner	Individual	Comments Only	No

Comments: Section S149D of HB2574, provision (3), does not include when a pesticide was used in a particular geographic area. Having this information enables correlation of use with area in the event a problem arises due to drift, chemical overuse, etc Also, Secion S149 (c) does not allow monetary damages to be awarded to those persons affected. This should be allowed as determined reasonable and sufficient by the court.

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 11:21 AM
To: EEPtestimony
Cc: info@courtneybruch.com
Subject: *Submitted testimony for HB2574 on Feb 4, 2016 08:00AM*

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Courtney Bruch	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 6:51 PM
To: EEPtestimony
Cc: kpurdyavelino@yahoo.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Kilia Purdy-Avelino	Individual	Support	No

Comments: Make reporting of pesticides mandatory!! Will you be responsible for the lives of our kupuna (elders) and keiki (children) and even adults who have health issues that increase with the spraying of chemicals that accumulates in our air, water, and ocean?? Will you be responsible for someone's life?? We have personal experiences where chemicals in the air have affected the health of our own children. It is real for us! If it is required to label foods due to allergies - some allergies serious and detrimental - then, it should also be required for chemical spraying! Reporting should have been mandatory from the beginning!! Kilia Purdy-Avelino Molokai MOMs Hui

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 6:39 PM
To: EEPtestimony
Cc: ashzz@mac.com
Subject: *Submitted testimony for HB2574 on Feb 4, 2016 08:00AM*

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Ashley Wilcox	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 6:27 PM
To: EEPtestimony
Cc: tree@hawaii.rr.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Stephen Luksic	Individual	Support	No

Comments: Aloha, I support this bill for disclosure of the use of chemicals in our environment. This is long overdue, our fragile eco system has been abused by chemical companies run amok Please restrict these chemical companies from poisoning our families . Thank you

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 5:48 PM
To: EEPtestimony
Cc: doctorforgolf@yahoo.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Dr. Gregory Hungerford	Individual	Support	No

Comments: I vehemently SUPPORT this bill.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 5:24 PM
To: EEPtestimony
Cc: mauifaith@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Faith Chase	Individual	Support	No

Comments: Faith R. Chase faith@planetserver.com I am writing in support of HB2754. There is no doubt how critical this. Reporting guidelines for large-scale, outdoor commercial agricultural operations across the State is a no-brainer. Please establish disclosure and public notification requirements for outdoor application of pesticides in various environmentally sensitive areas. We have seen enough illnesses, emergencies and health related reasons to make this paramount. Thank you for seeing this bill through with speed and accuracy. Sincerely, Faith Chase

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 11:28 AM
To: EEPtestimony
Cc: akamaimom@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

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

Comments: Please SUPPORT 2574 for pesticide disclosure. It is helpful to maintain the well-being of communities in proximity to the use of pesticides. Communities face regular exposure to traces of chemicals and live with them possibly on a daily basis. The sharing of spray records helps medical providers know how to quickly identify and treat patients who display symptoms of chemical exposure if they were in the known area. Similarly, it rules out possible chemical reactions if there is no spraying so the staff can focus on illness-based causes of vomiting, diarrhea, headaches, etc. For those who live and work in close proximity to chemical spray applications, they have the notice to leave their home, places of work, etc. if they have anxiety that they may be exposed to wind drift. It is a step in a helpful direction. Felicia Cowden Kilauea, HI

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 5:11 PM
To: EEPtestimony
Cc: heleolani@yahoo.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Hoku Cabebe	Individual	Support	No

Comments: I still dont know what they are spraying next door to my daughters school in Puhi, Kawaikini NCPCS. 3 years of testifying and trying. Its insane.

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House Committee on Energy and Environmental Protection
Chair Representative Lee
Vice Chair Representative Lowen

Hearing for HB 2574
Thursday, February 4, 2016
8:00 AM, Capitol Room 325

Harvest Edmonds

TESTIMONY IN STRONG SUPPORT OF HB 2574 – Relating to Environmental Protection

Aloha e Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

My name is Harvest Edmonds and I live on Kauaʻi. I am writing to urge your strong support of HB 2574.

This bill requires that the state protect our keiki’s health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

As a parent and grandmother, I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawaiʻi. 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 use pesticides are at a risk of neurodevelopmental disabilities like autism and ADHD^{i,ii,iii,iv}, leukemia^{v,vi,vii}, and asthma^{viii,ix,x}.

Children in Hawaiʻi, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the “Kauaʻi Agricultural Good Neighbor Program,” a voluntary pesticide disclosure program in the County of Kauaʻi.

Program data reports that, between December 2013 to August 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kauaʻi, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kauaʻi Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program^{xi}.

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. Although the “Kauaʻi Agricultural Good Neighbor Program” was established to allow companies to

voluntarily disclose pesticide application, this program is an unreliable compromise to mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting.

Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Sincerely,

Harvest Edmonds

ⁱ 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.

ⁱⁱ 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.

ⁱⁱⁱ 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.

^{iv} Bouchard MF, Chevrier J, Harley KG, Kogut K, Vedar M, Calderon N, Trujilo 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.

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

^{vi} 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>.

^{vii} 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.

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^x 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>.

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 01, 2016 9:26 PM
To: EEPtestimony
Cc: elia94eb@gmail.com
Subject: *Submitted testimony for HB2574 on Feb 4, 2016 08:00AM*

HB2574

Submitted on: 2/1/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
ELIA BRUNO	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Monday, February 01, 2016 9:13 PM
To: EEPtestimony
Cc: laurenelaine721@yahoo.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/1/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Lauren Ampolos	Individual	Support	No

Comments: Please accept this testimony in strong support of HB2574. These agencies should be required to disclose what they're using, and this information should be readily available to the public.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 11:32 AM
To: EEPtestimony
Cc: kona-g@hotmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
gretchen	Individual	Support	No

Comments: We need to know what is being sprayed. There should never be an argument against that. I support the disclosure of the ingredients. We need to know. The people should be protected. Not the corporations. There should be nothing to hide.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 11:23 AM
To: EEPtestimony
Cc: mmcardle19@aol.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

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

Comments: Aloha. I fully support HB2574 in order to help protect Hawaii's People and Natural Resources from toxic chemical pollution in our fragile island environment as required by the preservation of those resources in the Hawaii State Constitution. It is our kuleana. The health of the Land and People must be a priority. The public needs to be aware of potential toxins in our environment.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 11:23 AM
To: EEPtestimony
Cc: joannaction@yahoo.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

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

Comments: Please make it mandatory for the companies testing pesticides in open air conditions in Hawaii to disclose what it is they are testing. We recently had an incident where Syngenta workers were treated at the hospital (2 in grave condition) because they walked into a field 20 hours after being sprayed. They knew what it was so they could be treated. Other people are not that lucky. Year ago children in the Waimea School in Kauai were exposed to the same pesticide, and when taken to the hospital they did not know how best to help them for the lack of disclosure. Syngenta blamed it that time on stink weed, sadly. Pesticides are linked to several health issues and neurological problems and have been found to decrease the intelligence of the children affected. Please protect our children. Ideally these companies should not be allowed to do this but by now at least make them tell us what they are exposing us to. I am providing an article on IQ drop due to pesticide exposure
<http://www.environmentalhealthnews.org/ehs/newscience/2012/01/2012-0223-chemicals-iq-loss-similar-to-disease> Thank you!

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 11:08 AM
To: EEPtestimony
Cc: jennahia@yahoo.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

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

Comments: Due to Hawai'i's warm, windy climate and the frequent spray schedule, pesticide drift is a major concern for families living in neighborhoods with pesticide promoting genetically engineered (GE) crop field test sites. We, the public have a right to know what's being used/sprayed in our neighborhoods. Based on findings from over 150 medical and scientific studies, we know that the restricted-use pesticides used by agricultural companies in Hawai'i are linked to human health harms, especially for children, including asthma, autism, adverse birth outcomes and cancers. Scientists have also shown that low-level, chronic exposure to toxic pesticides may increase the risks of various serious diseases including cancer, autism, Parkinson's disease, and childhood leukemia. I support this bill requiring disclosure.

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February 2, 2016

From: Rebecca Sydney, Makawao

Do you ever shake your head in disgust of what humans are doing to the planet?

Do you ever think about it?!! My God it's everywhere!

Do you not see that EVERYTHING on Maui is contaminated and potentially unsafe for its life forms?

The soil is poisoned with **chemicals!**

The water we drink is full of toxic **chemicals!**

The air we breathe is still toxic with smoke and **chemicals** from agriculture and golf courses!

The ocean is acidifying and dying from **chemical** runoff and the dumping of waste!

The food sold in the stores is covered in **chemicals** (except organic) which can't be washed off!

Key word in human self-destruction: **CHEMICALS!**

We depend on YOU TO STOP THIS MADNESS!

So lets see.....food, water, air, soil, ocean.....what else is there?!!!! STOP CHEMICAL CONTAMINATION ON MAUI! It is violating the Hawaii constitution to protect the natural resources.....not contaminate them!

Help make Maui the FIRST ORGANIC ISLAND in the world!! WE DEPEND ON YOU! Protect what is good!

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 10:42 AM
To: EEPtestimony
Cc: katiehorgan@me.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Kathleen Horgan	Individual	Support	No

Comments: I live in Kekaha, Kauai. We need a law that requires "reporting guidelines for large-scale, outdoor commercial agricultural operations across the State" and "Establishes disclosure and public notification requirements for outdoor application of pesticides in various environmentally sensitive areas." Industry representatives that profit from the activities of large agribusiness will tell you "we already volunteer this information." Voluntary disclosure is incomplete and inadequate as it does not provide any protection to residents of these neighborhoods that border these fields. they only provide very general data with no locations or (total planted) acreages disclosed to the public. Furthermore the voluntary disclosure occurs 45 days after application, and the companies are often late reporting by the date they volunteered. Just a few weeks ago, Syngenta demonstrated that they do not have adequate safety procedures in place to keep their own workers from being exposed and harmed from pesticides when ten of their workers were sent to the emergency room, after being led into a field that was closed and unsafe due to pesticides being applied 20 hours previous. Three workers were kept overnight for further observation. This further highlights the issue of inadequate safety procedures, as a field just 4 hours from being deemed "safe" for re-entry could cause such harm to so many. Please vote yes for more common sense protection for the people despite the motive for the profits of the multi-national billion dollar companies.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 10:38 AM
To: EEPtestimony
Cc: clareloprinzi@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

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

Comments: This is the Least that they can do , they also have kuleana to Malama aina a me na Keiki a pau

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Sent: Tuesday, February 02, 2016 9:39 AM
To: EEPtestimony
Cc: holomuaorganics@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Tiana Laranio	Individual	Support	No

Comments: Supporting this bill protects the health and life of our community, children and future generations. Which is the States and all of our KULEANA

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 9:37 AM
To: EEPtestimony
Cc: svickery@hawaii.rr.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Susan Vickery	Individual	Support	No

Comments: Due to Hawai'i's warm, windy climate and the frequent spray schedule, pesticide drift is a major concern for families living in neighborhoods with pesticide promoting genetically engineered (GE) crop field test sites. Based on findings from over 150 medical and scientific studies, we know that the restricted-use pesticides used by agricultural companies in Hawai'i are linked to human health harms, especially for children, including asthma, autism, adverse birth outcomes and cancers. Scientists have also shown that low-level, chronic exposure to toxic pesticides may increase the risks of various serious diseases including cancer, autism, Parkinson's disease, and childhood leukemia. Mahalo nui.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 9:31 AM
To: EEPtestimony
Cc: rw@worldspot.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Rob Weltman	Individual	Support	No

Comments: I live near a large Monsanto field. An absolute requirement for protecting the health of my family and neighbors (including the Kamali'i Elementary School) is to know what they are spraying, when, and in what quantities. The proposed bill begins to address this need.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 9:27 AM
To: EEPtestimony
Cc: lucialyou@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Lucia You	Individual	Support	No

Comments: Pesticide drift is a huge problem for the biosphere and population of Hawai'i. Restricted use pesticides (RUP) are linked to human health problems and especially effect sensitive and compromised keiki and kapuna. Exposure to RUP is associated with increased risk of asthma, autism, adverse birth outcomes, cancers, and Parkinson's disease.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 8:38 AM
To: EEPtestimony
Cc: wao-hsl@WeAreOne.cc
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Joseph Kohn MD	www.WeAreOne.cc	Support	No

Comments: Stop Poisoning People, 'Āina, Air, and Water! Due to Hawai'i's warm, windy climate and the frequent spray schedule, pesticide drift is a major concern for families living in neighborhoods with pesticide promoting genetically engineered (GE) crop field test sites. Based on findings from over 150 medical and scientific studies, we know that the restricted-use pesticides used by agrichemical companies in Hawai'i are linked to human health harms, especially for children, including asthma, autism, adverse birth outcomes and cancers. Scientists have also shown that low-level, chronic exposure to toxic pesticides may increase the risks of various serious diseases including cancer, autism, Parkinson's disease, and childhood leukemia.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 9:25 AM
To: EEPtestimony
Cc: tina@kiheiice.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Tina Wildberger	Individual	Support	No

Comments: Thank you to these 4 reps for introducing this bill. While the shameful long list of reps introducing the Right To Farm bill, including many reps from Maui who are completely tone deaf to the will and wishes of their constituents, it is heartening to see some reps willing to do the right thing. Far too long our state government has provided cover for multinational, predatory bad actors who claim to be good neighbors. Please pass this disclosure bill. Let the sun shine on what is happening to our island homes while big companies benefit from our resources to earn big profits. If they can't do it in Switzerland, maybe they shouldn't here either. #Hawaiiinotthirdworld Thank you.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 8:48 AM
To: EEPtestimony
Cc: berrettbunch@hotmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Marti Berrett	Individual	Support	No

Comments: Pesticides are toxins. The public should be informed when/where these pesticides are being sprayed.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 4:27 AM
To: EEPtestimony
Cc: starmer@hawaii.edu
Subject: *Submitted testimony for HB2574 on Feb 4, 2016 08:00AM*

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Kaelan	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 4:11 PM
To: EEPtestimony
Cc: octopus@maui.net
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Rene Umberger	Individual	Support	No

Comments: Mahalo Chair Lee for hearing this important measure. In strong support!
Aloha, Rene Umberger

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 4:06 PM
To: EEPtestimony
Cc: hariom@hawaii.rr.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Diane Anderson	Individual	Support	No

Comments: Aloha, I strongly support this bill and sincerely hope that you all will support it as well. We community members have no choice but to breathe the air and we must rely on you to take every precaution possible to ensure that all our community members can trust in the quality of our air. You can do so by passing this bill. Please, please pass this bill. Do not simply trust and rely on "voluntary" reporting by these giant commercial agricultural companies. They will never ever admit to causing toxic drift or polluting our soli and water. Yet it happens all the time. Our weather is unpredictable and the excessive spraying that they do on our islands make sit even more important that they notify our community of their actions. We are relying on you, our elected officials to protect us, the citizens of Hawaii. Thank you. Thank you.

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TESTIMONY IN SUPPORT OF HB2574

Hawaii State House

Thursday, February 2, 2016

House Conference Room 325 at 8:00a

Submitted by Lynn B. Wilson, PhD

Chair Lee, Vice Chair Lowen & Members of the House Committee on Energy & Environmental Protection

Dear Representatives:

I am a cultural anthropologist who has invested over 20 years in supporting the health and well being of young children and their families in Hawaii by partnering with public and private agencies including the Hawaii State Department of Health, UH JABSOM Department of Pediatrics, American Academy of Pediatrics/Hawaii Chapter, community health centers, and early childhood organizations in the areas of health, early learning, family engagement and support. I have also co-founded small businesses with Sharon Taba, MEd, Webfish Pacific, LLC & Same Small Boat Productions, LLC, that have received federal, state, and foundation support to develop projects supporting young children and their families.

I am writing to urge you to support **HB2574: Relating to Environmental Protection** introduced by Representatives Lee, Cullen, Lopresti, and Thielen.

This proposed law aims to protect communities across the state by establishing reporting requirements when pesticides are applied near sensitive areas by large-scale, outdoors, commercial agricultural operations across the state.

Research clearly demonstrates that even low exposures to environmental toxins, such as pesticides (including fumigants, herbicides, pesticides, etc.), put healthy brain development in fetuses and young children at tremendous risk. Please see attached policy statements from the American Academy of Pediatrics¹ and the American Congress of Obstetricians and Gynecologists.²

In Hawai`i, it is particularly large chemical companies that are using increasing amounts of pesticides and increasingly using multiple pesticides, acute and chronic exposure can be due to pesticide drift, particulate dust, water we drink and the water we swim in, jeopardizing the health of pregnant women and young children as well as long-term health outcomes for Hawai`i residents and for the environment itself. In "test fields" producing primarily inefficient biofuel and feed for livestock factories, these companies conduct "experiments," but not just on their seeds and the various, multiple pesticides they use in seed development. These outdoor laboratories are also experimenting on the people and the islands of Hawai`i.

- **NEW EPIDEMICS IN CHILDREN:** James Perrin, MD, FAAP, the immediate Past President of the American Academy of Pediatrics, has researched what he calls “new epidemics” of *chronic childhood diseases that have increased 400% in the past 50 years:* ADHD, Autism, Asthma, Childhood Cancer, Obesity. Environmental toxins including pesticides have played a large role contributing to these epidemics.³
- **AUTISM:** UC Davis research on outcomes of young children whose mothers were exposed to synthetic pesticides during pregnancy experienced a *two-thirds increased risk of having a child with autism spectrum disorder or other developmental delays.*^{4,5}
- **HORMONE DISRUPTION:** Research has demonstrated that that increased exposure to pesticides, even in low doses, *disrupts hormones likely leading to increased risk in serious and costly health problems* such as obesity, breast cancer, infertility, low sperm count in men, pre-term births.⁶
- **CANCER:** The incidence of adult cancer has skyrocketed. As of 2010, *one out of two men and one out of three women will be diagnosed with some sort of cancer* during their lifetime.⁷

Let’s look at what we know about pesticide use in Hawaii. The Hawaii State Department of Agriculture reports high use of restricted use pesticides (RUPs) across the state. In 2014 alone (the only year data is available), DOA reported amounts of RUPs shipped into Hawaii included over 900,000 pounds of biocides.⁸ Please note that glyphosate, used in RoundUp and identified by the United Nations scientists at IARC as a “probable carcinogen,” also is used widely in agrichemical test fields and was not included in this list because it has not been categorized as an RUP.

I agree with Rachel Carson who, over 50 years ago, affirmed that people living in the United States have a basic human right not to be poisoned by our neighbors.⁹ “Good Neighbor” reporting is not enough to protect Hawaii’s families and young children, not enough to protect Hawaii’s lands, animals, and waters—these reports lack specifics of when and where and in what combination pesticides are applied; they do not establish protective buffer zones and do not inform surrounding communities in a timely way.

Clearly, communities in Hawai`i deserve better. Therefore, it is critical to require timely and comprehensive use notifications. This bill aims to protect our environment and our residents by requiring public notification of pesticide outdoor application, notification to occupants and residents of sensitive areas, recordkeeping and annual public disclosure.

Thank you for this opportunity to ask for your support of **HB2574**. It's a critical time to pay attention to the "upstream" solutions that will play such a prominent role in positively influencing the health and well-being of Hawai'i's communities, families and young children as well as financial stability in our state for generations to come.

With Respect & Aloha,

Lynn B. Wilson, PhD
Registered voter in Waipahu, HI 96797

Mailing Address

Same Small Boat Productions, LLC, 1188 Bishop Street, Suite 1502, Honolulu, HI 96813

Tel 808-382-5286

¹ American Academy of Pediatrics, Policy Statement: Pesticide Exposure in Children, *Pediatrics*, 2012, www.pediatrics.org/cgi/doi/10.1542/peds.2012-2757

² The American College of Obstetricians and Gynecologists, Committee Opinion: Exposure to Toxic Environmental Agents, *Obstet Gynecol* 2013; 122:931-5.

³ James Perrin et al., The Increase of Childhood Chronic Conditions in the U.S., *JAMA*, 2007, 297(24): 2755-9

⁴ UC Davis MIND Institute News Release-
<http://www.ucdmc.ucdavis.edu/publish/news/newsroom/8978>

⁵ UC Davis MIND Institute Research on Perinatal Exposure to Pesticide Products-
<http://ehp.niehs.nih.gov/1307044/>

⁶ Report on Costs of Impact of Endocrine Disruption in Europe-
<http://news.nationalgeographic.com/news/2015/03/150305-chemicals-endocrine-disruptors-diabetes-toxic-environment-ngfood/>

⁷ Sandra Steingraber, *Living Downstream: An Ecologist's Personal Investigation of Cancer and the Environment* (Cambridge, MA: Da Capo Press), 2010.

⁸ Hawaii State Department of Agriculture Summary of Restricted Use Pesticides Sold in 2014-
<http://hdoa.hawaii.gov/pi/files/2015/04/SUMMARY-ALLSALES-2014.pdf>

⁹ Rachel Carson, *Silent Spring*. (NY: Houghton Mifflin), 1962.



POLICY STATEMENT

Pesticide Exposure in Children

COUNCIL ON ENVIRONMENTAL HEALTH

KEY WORDS

pesticides, toxicity, children, pest control, integrated pest management

ABBREVIATIONS

EPA—Environmental Protection Agency

IPM—integrated pest management

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abstract

FREE

This statement presents the position of the American Academy of Pediatrics on pesticides. Pesticides are a collective term for chemicals intended to kill unwanted insects, plants, molds, and rodents. Children encounter pesticides daily and have unique susceptibilities to their potential toxicity. Acute poisoning risks are clear, and understanding of chronic health implications from both acute and chronic exposure are emerging. Epidemiologic evidence demonstrates associations between early life exposure to pesticides and pediatric cancers, decreased cognitive function, and behavioral problems. Related animal toxicology studies provide supportive biological plausibility for these findings. Recognizing and reducing problematic exposures will require attention to current inadequacies in medical training, public health tracking, and regulatory action on pesticides. Ongoing research describing toxicologic vulnerabilities and exposure factors across the life span are needed to inform regulatory needs and appropriate interventions. Policies that promote integrated pest management, comprehensive pesticide labeling, and marketing practices that incorporate child health considerations will enhance safe use. *Pediatrics* 2012;130:e1757–e1763

INTRODUCTION

Pesticides represent a large group of products designed to kill or harm living organisms from insects to rodents to unwanted plants or animals (eg, rodents), making them inherently toxic (Table 1). Beyond acute poisoning, the influences of low-level exposures on child health are of increasing concern. This policy statement presents the position of the American Academy of Pediatrics on exposure to these products. It was developed in conjunction with a technical report that provides a thorough review of topics presented here: steps that pediatricians should take to identify pesticide poisoning, evaluate patients for pesticide-related illness, provide appropriate treatment, and prevent unnecessary exposure and poisoning.¹ Recommendations for a regulatory agenda are provided as well, recognizing the role of federal agencies in ensuring the safety of children while balancing the positive attributes of pesticides. Repellents reviewed previously (eg, N,N-diethyl-meta-toluamide, commonly known as DEET; picaridin) are not discussed.²

SOURCES AND MECHANISMS OF EXPOSURE

Children encounter pesticides daily in air, food, dust, and soil and on surfaces through home and public lawn or garden application, household insecticide use, application to pets, and agricultural product

TABLE 1 Categories of Pesticides and Major Classes

Pesticide category	Major Classes	Examples
Insecticides	Organophosphates	Malathion, methyl parathion, acephate
	Carbamates	Aldicarb, carbaryl, methomyl, propoxur
	Pyrethroids/pyrethrins	Cypermethrin, fenvalerate, permethrin
	Organochlorines	Lindane
	Neonicotinoids	Imidacloprid
Herbicides	N-phenylpyrazoles	Fipronil
	Phosphonates	Glyphosate
	Chlorophenoxy herbicides	2,4-D, mecoprop
	Dipyridyl herbicides	Diquat, paraquat
Rodenticides	Nonselective	Sodium chlorate
	Anticoagulants	Warfarin, brodifacoum
	Convulsants	Strychnine
	Metabolic poison	Sodium fluoroacetate
Fungicides	Inorganic compounds	Aluminum phosphide
	Thiocarbamates	Metam-sodium
	Triazoles	Fluconazole, myclobutanil, triadimefon
Fumigants	Strobilurins	Pyraclostrobin, picoxystrobin
	Halogenated organic	Methyl bromide, Chloropicrin
	Organic	Carbon disulfide, Hydrogen cyanide, Naphthalene
Miscellaneous	Inorganic	Phosphine
	Arsenicals	Lead arsenate, chromated copper arsenate, arsenic trioxide
	Pyridine	4-aminopyridine

residues.^{3–9} For many children, diet may be the most influential source, as illustrated by an intervention study that placed children on an organic diet (produced without pesticide) and observed drastic and immediate decrease in urinary excretion of pesticide metabolites.¹⁰ In agricultural settings, pesticide spray drift is important for residences near treated crops or by take-home exposure on clothing and footwear of agricultural workers.^{9,11,12} Teen workers may have occupational exposures on the farm or in lawn care.^{13–15} Heavy use of pesticides may also occur in urban pest control.¹⁶

Most serious acute poisoning occurs after unintentional ingestion, although poisoning may also follow inhalational exposure (particularly from fumigants) or significant dermal exposure.¹⁷

ACUTE PESTICIDE TOXICITY

Clinical Signs and Symptoms

High-dose pesticide exposure may result in immediate, devastating, even lethal consequences. Table 2 summarizes features of clinical toxicity for

the major pesticides classes. It highlights the similarities of common classes of pesticides (eg, organophosphates, carbamates, and pyrethroids) and underscores the importance of discriminating among them because treatment modalities differ. Having an index of suspicion based on familiarity with toxic mechanisms and taking an environmental history provides the opportunity for discerning a pesticide's role in clinical decision-making.¹⁸ Pediatric care providers have a poor track record for recognition of acute pesticide poisoning.^{19–21} This reflects their self-reported lack of medical education and self-efficacy on the topic.^{22–26} More in-depth review of acute toxicity and management can be found in the accompanying technical report or recommended resources in Table 3.

The local or regional poison control center plays an important role as a resource for any suspected pesticide poisoning.

There is no current reliable way to determine the incidence of pesticide exposure and illness in US children. Existing data systems, such as the American Association of Poison Control Centers'

National Poison Data System or the National Institute for Occupational Safety and Health's Sentinel Event Notification System for Occupational Risks,^{27,28} capture limited information about acute poisoning and trends over time.

There is also no national systematic reporting on the use of pesticides by consumers or licensed professionals. The last national survey of consumer pesticide use in homes and gardens was in 1993 (Research Triangle Institute study).²⁹

Improved physician education, accessible and reliable biomarkers, and better diagnostic testing methods to readily identify suspected pesticide illness would significantly improve reporting and surveillance. Such tools would be equally important in improving clinical decision-making and reassuring families if pesticides can be eliminated from the differential diagnosis.

The Pesticide Label

The pesticide label contains information for understanding and preventing acute health consequences: the active ingredient; signal words identifying acute toxicity potential; US Environmental Protection Agency (EPA) registration number; directions for use, including protective equipment recommendations, storage, and disposal; and manufacturer's contact information.³⁰ Basic first aid advice is provided, and some labels contain a "note for physicians" with specific relevant medical information. The label does not specify the pesticide class or "other"/"inert" ingredients that may have significant toxicity and can account for up to 99% of the product.

Chronic toxicity information is not included, and labels are predominantly available in English. There is significant use of illegal pesticides (especially in immigrant communities), off-label use, and overuse, underscoring the importance of education, monitoring, and enforcement.³¹

TABLE 2 Common Pesticides: Signs, Symptoms, and Management Considerations^a

Class	Acute Signs and Symptoms	Clinical Considerations
Organophosphate and N-methyl carbamate insecticides	<ul style="list-style-type: none"> • Headache, nausea, vomiting, abdominal pain, and dizziness • Hypersecretion: sweating, salivation, lacrimation, rhinorrhea, diarrhea, and bronchorrhea • Muscle fasciculation and weakness, and respiratory symptoms (bronchospasm, cough, wheezing, and respiratory depression) • Bradycardia, although early on, tachycardia may be present • Miosis • Central nervous system: respiratory depression, lethargy, coma, and seizures 	<ul style="list-style-type: none"> • Obtain red blood cell and plasma cholinesterase levels • Atropine is primary antidote • Pralidoxime is also an antidote for organophosphate and acts as a cholinesterase reactivator • Because carbamates generally produce a reversible cholinesterase inhibition, pralidoxime is not indicated in these poisonings
Pyrethroid insecticides	<ul style="list-style-type: none"> • Similar findings found in organophosphates including the hypersecretion, muscle fasciculation, respiratory symptoms, and seizures • Headache, fatigue, vomiting, diarrhea, and irritability • Dermal: skin irritation and paresthesia 	<ul style="list-style-type: none"> • At times have been mistaken for acute organophosphate or carbamate poisoning • Symptomatic treatment • Treatment with high doses of atropine may yield significant adverse results • Vitamin E oil for dermal symptoms • Supportive care
Neonicotinoid insecticides	<ul style="list-style-type: none"> • Disorientation, severe agitation, drowsiness, dizziness, weakness, and in some situations, loss of consciousness • Vomiting, sore throat, abdominal pain • Ulcerations in upper gastrointestinal tract 	<ul style="list-style-type: none"> • Consider sedation for severe agitation • No available antidote • No available diagnostic test • Supportive care • No available antidote • No available diagnostic test
Fipronil (N-phenylpyrazole insecticides)	<ul style="list-style-type: none"> • Nausea and vomiting • Aphthous ulcers • Altered mental status and coma • Seizures 	<ul style="list-style-type: none"> • Control acute seizures with lorazepam
Lindane (organochlorine insecticide)	<ul style="list-style-type: none"> • Central nervous system: mental status changes and seizures • Paresthesia, tremor, ataxia and hyperreflexia 	<ul style="list-style-type: none"> • Lindane blood level available as send out • Supportive care • Pulmonary effects may be secondary to organic solvent
Glyphosate (phosphonate herbicides)	<ul style="list-style-type: none"> • Nausea and vomiting • Aspiration pneumonia type syndrome • Hypotension, altered mental status, and oliguria in severe cases • Pulmonary effects may in fact be secondary to organic solvent 	<ul style="list-style-type: none"> • Consider urine alkalinization with sodium bicarbonate in IV fluids
Chlorophenoxy herbicides	<ul style="list-style-type: none"> • Skin and mucous membrane irritation • Vomiting, diarrhea, headache, confusion • Metabolic acidosis is the hallmark • Renal failure, hyperkalemia, and hypocalcemia • Probable carcinogen 	<ul style="list-style-type: none"> • Consider PT (international normalized ratio)
Rodenticides (long-acting anticoagulants)	<ul style="list-style-type: none"> • Bleeding: gums, nose, and other mucous membrane sites • Bruising 	<ul style="list-style-type: none"> • Observation may be appropriate for some clinical scenarios in which it is not clear a child even ingested the agent • Vitamin K indicated for active bleeding (IV vitamin K) or for elevated PT (oral vitamin K)

IV, intravenous; PT, prothrombin time.

^a Expanded version of this table is available in the accompanying technical report.¹

CHRONIC EFFECTS

Dosing experiments in animals clearly demonstrate the acute and chronic toxicity potential of multiple pesticides. Many pesticide chemicals are classified by the US EPA as carcinogens. The

past decade has seen an expansion of the epidemiologic evidence base supporting adverse effects after acute and chronic pesticide exposure in children. This includes increasingly sophisticated studies addressing

combined exposures and genetic susceptibility.¹

Chronic toxicity end points identified in epidemiologic studies include adverse birth outcomes including preterm birth, low birth weight, and congenital

TABLE 3 Pesticide and Child Health Resources for the Pediatrician

Topic/Resource	Additional Information	Contact Information
Management of acute pesticide poisoning <i>Recognition and Management of Pesticide Poisonings</i>	Print: fifth (1999) is available in Spanish, English, 6th edition available 2013	http://www.epa.gov/pesticides/safety/healthcare/handbook/handbook.htm 1 (800) 222-1222
Regional Poison Control Centers	Cooperative agreement between Oregon State University and the US EPA. NPMMP provides informational assistance by E-mail in the assessment of human exposure to pesticides	npmmp@oregonstate.edu or by fax at (541) 737-9047
Chronic exposure information and specialty consultation The National Pesticide Medical Monitoring Program (NPMMP)	Coordinated by the Association of Occupational and Environmental Clinics to provide regional academically based free consultation for health care providers	www.aococ.org/PEHSU.htm ; toll-free telephone number (888) 347-AOEC (extension 2632)
Pediatric Environmental Health Specialty Units (PEHSUs)		www.epa.gov/oppfead1/Publications/Cit_Guide/citguide.pdf
Resources for safer approaches to pest control US EPA <i>Citizens Guide to Pest Control and Pesticide Safety</i>	Consumer information documents <ul style="list-style-type: none"> • Household pest control • Alternatives to chemical pesticides • How to choose pesticides • How to use, store, and dispose of them safely • How to prevent pesticide poisoning • How to choose a pest-control company 	www.epa.gov/pesticides/controlling/index.htm www.ipm.ucdavis.edu
Controlling pests The University of California Integrative Pest Management Program	Recommended safest approaches and examples of programs Information on IPM approaches for common home and garden pests	www.niehs.nih.gov/research/supported/centers/prevention
Other resources National research programs addressing children's health and pesticides		www.nationalchildrensstudy.gov/Pages/default.aspx www.epa.gov/pesticides/regulating/labels/product-labels.htm#projects
US EPA		http://toxtown.nlm.nih.gov/text_version/chemicals.php?id=23
The National Library of Medicine "Tox Town"	Section on pesticides that includes a comprehensive and well-organized list of web link resources on pesticides	

anomalies, pediatric cancers, neuro-behavioral and cognitive deficits, and asthma. These are reviewed in the accompanying technical report. The evidence base is most robust for associations to pediatric cancer and adverse neurodevelopment. Multiple case-control studies and evidence reviews support a role for insecticides in risk of brain tumors and acute lymphocytic leukemia. Prospective contemporary birth cohort studies in the United States link early-life exposure to organophosphate insecticides with reductions in IQ and abnormal behaviors associated with attention-deficit/hyperactivity disorder and autism. The need to better understand the health implications of ongoing pesticide use practices on child health has benefited from these observational epidemiologic data.³²

EXPOSURE PREVENTION APPROACHES

The concerning and expanding evidence base of chronic health consequences of pesticide exposure underscores the importance of efforts aimed at decreasing exposure.

Integrated pest management (IPM) is an established but undersupported approach to pest control designed to minimize and, in some cases, replace the use of pesticide chemicals while achieving acceptable control of pest populations.³³ IPM programs and knowledge have been implemented in agriculture and to address weeds and pest control in residential settings and schools, commercial structures, lawn and turf, and community gardens. Reliable resources are available from the US EPA and University of California—Davis (Table 3). Other local policy approaches in use are posting warning signs of pesticide use, restricting spray zone buffers at schools, or restricting specific types of pesticide products in schools. Pediatricians can

play a role in promotion of development of model programs and practices in the communities and schools of their patients.

RECOMMENDATIONS

Three overarching principles can be identified: (1) pesticide exposures are common and cause both acute and chronic effects; (2) pediatricians need to be knowledgeable in pesticide identification, counseling, and management; and (3) governmental actions to improve pesticide safety are needed. Whenever new public policy is developed or existing policy is revised, the wide range of consequences of pesticide use on children and their families should be considered. The American Academy of Pediatrics, through its chapters, committees, councils, sections, and staff, can provide information and support for public policy advocacy efforts. See <http://www.aap.org/advocacy.html> for additional information or contact chapter leadership.

Recommendations to Pediatricians

1. Acute exposures: become familiar with the clinical signs and symptoms of acute intoxication from the major types of pesticides. Be able to translate clinical knowledge about pesticide hazards into an appropriate exposure history for pesticide poisoning.
2. Chronic exposures: become familiar with the subclinical effects of chronic exposures and routes of exposures from the major types of pesticides.
3. Resource identification: know locally available resources for acute toxicity management and chronic low-dose exposure (see Table 3).
4. Pesticide labeling knowledge: Understand the usefulness and limitations of pesticide chemical information on pesticide product labels.
5. Counseling: Ask parents about pesticide use in or around the home to help determine the need for providing targeted anticipatory guidance. Recommend use of minimal-risk products, safe storage practices, and application of IPM (least toxic methods), whenever possible.

6. Advocacy: work with schools and governmental agencies to advocate for application of least toxic pesticides by using IPM principles. Promote community right-to-know procedures when pesticide spraying occurs in public areas.

Recommendations to Government

1. Marketing: ensure that pesticide products as marketed are not attractive to children.
2. Labeling: include chemical ingredient identity on the label and/or the manufacturer's Web site for all product constituents, including inert ingredients, carriers, and solvents. Include a label section specific to "Risks to children," which informs users whether there is evidence that the active or inert ingredients have any known chronic or developmental health concerns for children. Enforce labeling practices that ensure users have adequate information on product contents, acute and chronic toxicity potential, and emergency information. Consider printing or making available labels in Spanish in addition to English.
3. Exposure reduction: set goal to reduce exposure overall. Promote application methods and practices that minimize children's exposure, such as using bait stations and gels, advising against overuse of pediculicides. Promote education regarding proper storage of product.
4. Reporting: make pesticide-related suspected poisoning universally reportable and support a systematic central repository of such incidents to optimize national surveillance.
5. Exportation: aid in identification of least toxic alternatives to pesticide use internationally, and unless safer alternatives are not available or are impossible to implement, ban export of products that are banned or restricted for toxicity concerns in the United States.
6. Safety: continue to evaluate pesticide safety. Enforce community right-to-know procedures when pesticide spraying occurs in public areas. Develop, strengthen, and enforce standards of removal of concerning products for home or child product use. Require development of a human biomarker, such as a urinary or blood measure, that can be used to identify exposure and/or early health implications with new pesticide chemical registration or reregistration of existing products. Developmental toxicity, including endocrine disruption, should be a priority when evaluating new chemicals for licensing or reregistration of existing products.
7. Advance less toxic pesticide alternatives: increase economic incentives for growers who adopt IPM, including less toxic pesticides. Support research to expand and improve IPM in agriculture and nonagricultural pest control.
8. Research: support toxicologic and epidemiologic research to better identify and understand health risks associated with children's exposure to pesticides. Consider supporting another national study of pesticide use in the home and garden setting of US households as a targeted initiative or through cooperation with existing research opportunities (eg, National Children's Study, NHANES).
9. Health provider education and support: support educational efforts to increase the capacity of pediatric health care providers to diagnose and manage acute pesticide

poisoning and reduce pesticide exposure and potential chronic pesticide effects in children. Provide support to systems such as Poison Control Centers to provide timely, expert advice on exposures. Require the development of diagnostic tests to assist providers with diagnosing (and ruling out) pesticide poisoning.

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Spoooner. We Are Still Waiting for Fully Supportive Electronic Health Records in Pediatrics. *Pediatrics*. 2012;130(6):e1674–e1676.

An error occurred in this article by Spooner, titled “We Are Still Waiting for Fully Supportive Electronic Health Records in Pediatrics” published in the December 2012 issue of *Pediatrics* (2012;130[6]:e1674–e1676; originally published online November 19, 2012; doi:10.1542/peds.2012-2724). On page e1674, on line 33, this reads: “The alarming result from the survey was that only 3% of AAP Fellows reported that they had a system that provided all of the items listed by Leu and colleagues.” This should have read: “The alarming result from the survey was that only 9.6% of AAP Fellows reported that they had or planned to adopt within 12 months a system that provided all of the five “pediatric-supportive” items listed by Leu and colleagues.”

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Auger et al. Medical Home Quality and Readmission Risk for Children Hospitalized With Asthma Exacerbations. *Pediatrics*. 2013;131(1):64–70

An error occurred in this article by Auger et al, titled “Medical Home Quality and Readmission Risk for Children Hospitalized With Asthma Exacerbations” published in the January 2013 issue of *Pediatrics* (2013;131[1]:64–70; doi:10.1542/2012-1055). On page 69, in Table 2 under the heading Adjusted HR, on the line Medicaid, this reads: “0.28 (0.51–1.34).” This should have read: “0.82 (0.51–1.34).”

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Council on Environmental Health. Policy Statement: Pesticide Exposure in Children. *Pediatrics*. 2012;130(6):e1757–e1763

A couple of errors occurred in this AAP Policy Statement titled “Pesticide Exposure in Children” published in the December 2012 issue of *Pediatrics* (2012;130[6]:e1757–e1763; originally published online November 26, 2012; doi:10.1542/peds.2012-2757). In Table 2, in the second and third columns where glyphosate is discussed, the words “organic solvent” should be replaced with the word “surfactant.” On page e1758, in the first paragraph of the left-hand column, immediately beneath Table 1, the first full sentence should be amended to read: “For many children, diet may be the most influential source, as illustrated by an intervention study that placed children on an organic diet (produced without most conventional pesticides) and observed drastic and immediate decrease in urinary excretion of organophosphate pesticide metabolites.”

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Robert JR, Karr CJ; Council on Environmental Health. Technical Report: Pesticide Exposure in Children. *Pediatrics*. 2012;130(6):e1765–e1788

Several inaccuracies occurred in this AAP Technical Report titled “Pesticide Exposure in Children” published in the December 2012 issue of *Pediatrics* (2012;130[6]:e1765–e1788; originally published online November 26, 2012; doi:10.1542/peds.2012-2758). On page e1773 and in Tables 1 and 2 where the phosphonate herbicide glyphosate is discussed, changes should be noted. In the first paragraph of the first column on page e1773 about acute glyphosate poisoning, the word “intentional” should be substituted for the word “unintentional.” In this same paragraph as well as in Tables 1 and 2, the word “surfactant” should replace the words “hydrocarbon solvent” and “organic solvent, respectively.” The

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The American College of
Obstetricians and Gynecologists
WOMEN'S HEALTH CARE PHYSICIANS



COMMITTEE OPINION

Number 575 • October 2013

The American College of Obstetricians and Gynecologists Committee on Health Care for Underserved Women

American Society for Reproductive Medicine Practice Committee

The University of California, San Francisco Program on Reproductive Health and the Environment

This Committee Opinion was developed by the American College of Obstetricians and Gynecologists Committee on Health Care for Underserved Women and the American Society for Reproductive Medicine Practice Committee with the assistance of the University of California, San Francisco (UCSF) Program on Reproductive Health and the Environment. The Program on Reproductive Health and the Environment endorses this document. This document reflects emerging clinical and scientific advances as of the date issued and is subject to change. This information should not be construed as dictating an exclusive course of treatment or procedure to be followed.

Exposure to Toxic Environmental Agents

ABSTRACT: Reducing exposure to toxic environmental agents is a critical area of intervention for obstetricians, gynecologists, and other reproductive health care professionals. Patient exposure to toxic environmental chemicals and other stressors is ubiquitous, and preconception and prenatal exposure to toxic environmental agents can have a profound and lasting effect on reproductive health across the life course. Prenatal exposure to certain chemicals has been documented to increase the risk of cancer in childhood; adult male exposure to pesticides is linked to altered semen quality, sterility, and prostate cancer; and postnatal exposure to some pesticides can interfere with all developmental stages of reproductive function in adult females, including puberty, menstruation and ovulation, fertility and fecundity, and menopause. Many environmental factors harmful to reproductive health disproportionately affect vulnerable and underserved populations, which leaves some populations, including underserved women, more vulnerable to adverse reproductive health effects than other populations. The evidence that links exposure to toxic environmental agents and adverse reproductive and developmental health outcomes is sufficiently robust, and the American College of Obstetricians and Gynecologists and the American Society for Reproductive Medicine join leading scientists and other clinical practitioners in calling for timely action to identify and reduce exposure to toxic environmental agents while addressing the consequences of such exposure.

Reproductive Environmental Health

Robust scientific evidence has emerged over the past 15 years, demonstrating that preconception and prenatal exposure to toxic environmental agents can have a profound and lasting effect on reproductive health across the life course (1–3). Exposure to toxic environmental agents also is implicated in increases in adverse reproductive health outcomes that emerged since World War II; these changes have occurred at a rapid rate that cannot be explained by changes in genetics alone, which occur at a slower pace. For additional information, a detailed review is available at www.acog.org/goto/underserved.

Exposure to environmental chemicals and metals in air, water, soil, food, and consumer products is ubiquitous. An analysis of National Health and Nutrition

Examination Survey data from 2003–2004 found that virtually every pregnant woman in the United States is exposed to at least 43 different chemicals (4). Chemicals in pregnant women can cross the placenta, and in some cases, such as with methyl mercury, can accumulate in the fetus, resulting in higher fetal exposure than maternal exposure (5–7). Prenatal exposure to environmental chemicals is linked to various adverse health consequences, and patient exposure at any point in time can lead to harmful reproductive health outcomes. For example, prenatal exposure to certain pesticides has been documented to increase the risk of cancer in childhood; adult male exposure to pesticides is linked to altered semen quality, sterility, and prostate cancer; and postnatal exposure to some pesticides can

interfere with all developmental stages of reproductive function in adult females, including puberty, menstruation and ovulation, fertility and fecundity, and menopause (8). A group of chemicals called endocrine disrupting chemicals has been shown to interfere with the role of certain hormones, homeostasis, and developmental processes (9). They represent a heterogeneous group of agents used in pesticides, plastics, industrial chemicals, and fuels. One study shows that the endocrine disrupting chemical bisphenol-A works in a fashion that is comparable to diethylstilbestrol at the cell and developmental level (10). Likewise, research has clearly shown that many industrial chemicals can affect thyroid function (9, 11). Because of deficiencies in the current regulatory structure, unlike pharmaceuticals, most environmental chemicals have entered the marketplace without comprehensive and standardized information regarding their reproductive or other long-term toxic effects (12).

Vulnerable Populations and Environmental Disparities

Although exposure to toxic environmental agents is ubiquitous among all patient populations, many environmental factors harmful to reproductive health also disproportionately affect vulnerable and underserved populations and are subsumed in issues of environmental justice. In the United States, minority populations are more likely to live in the counties with the highest levels of outdoor air pollution (13) and to be exposed to a variety of indoor pollutants, including lead, allergens, and pesticides than white populations (14). In turn, the effects of exposure to environmental chemicals can be exacerbated by injustice, poverty, neighborhood quality, housing quality, psychosocial stress, and nutritional status (14, 15).

Women with occupational exposure to toxic chemicals also are highly vulnerable to adverse reproductive health outcomes (16). For example, levels of organophosphate pesticides and phthalates measured in occupationally exposed populations are far greater than levels measured in the general population (17, 18). Furthermore, low-wage immigrant populations disproportionately work in occupations associated with a hazardous workplace environment (19, 20).

As underscored by a groundbreaking 2009 report by the National Academy of Sciences, the effects of low-dose exposure to an environmental contaminant may be quite different based on vulnerabilities, such as the underlying health status of the population and the presence of additional or “background” environmental exposure (21). Recognition of environmental disparities is essential for developing and implementing successful and efficient strategies for prevention.

Prevention

The evidence that links exposure to toxic environmental agents and adverse reproductive and developmental health outcomes is sufficiently robust, and the American

College of Obstetricians and Gynecologists (the College) and the American Society for Reproductive Medicine (ASRM) join numerous other health professional organizations in calling for timely action to identify and reduce exposure to toxic environmental agents while addressing the consequences of such exposure (1, 22, 23). Reproductive care providers can be effective in preventing prenatal exposure to environmental threats to health because they are uniquely poised to intervene before and during pregnancy, which is a critical window of human development. An important outcome of pregnancy is no longer just a healthy newborn but a human biologically predisposed to be healthy from birth to old age (3, 24).

Providing Anticipatory Guidance

It is important for health care providers to become knowledgeable about toxic environmental agents that are endemic to their specific geographic areas. Intervention as early as possible during the preconception period is advised to alert patients regarding avoidance of toxic exposure and to ensure beneficial environmental exposure, eg, fresh fruit and vegetables, unprocessed food, outdoor activities, and a safe and nurturing physical and social environment. By the first prenatal care visit, exposure to toxic environmental agents and disruptions of organogenesis may have already occurred. Obtaining a patient history during a preconception visit and the first prenatal visit to identify specific types of exposure that may be harmful to a developing fetus is a key step and also should include queries of the maternal and paternal workplaces. A list of key chemical categories, sources of exposure, and clinical implications are provided in the online companion document to this Committee Opinion (www.acog.org/goto/underserved). Examples of an exposure history are available at http://prhe.ucsf.edu/prhe/clinical_resources.html. Once this exposure inventory has been completed, information should be given regarding the avoidance of exposure to toxic agents at home, in the community, and at work with possible referrals to occupational medicine programs or United States Pediatric Environmental Health Specialty Units if a serious exposure is found (25).

Reproductive care professionals do not need to be experts in environmental health science to provide useful information to patients and refer patients to appropriate specialists when a hazardous exposure is identified. Existing clinical experience and expertise in communicating risks of treatment are largely transferable to environmental health. Physician contact time with a patient does not need to be the primary point of intervention; information and resources about environmental hazards can be successfully incorporated into a childbirth class curriculum or provided in written materials to help parents make optimal choices for themselves and their children (26).

Reporting identified hazards is critical to prevention. For example, the reproductive toxicity of a common solvent used in many consumer products was first

described in a case report of a stillbirth (27). Physicians in the United States are required to report illnesses or injuries that may be work related, and reporting requirements vary by state. No authoritative national list of physician-reporting requirements by state exists. Resources for information about how to report occupational and environmental illnesses include local and state health agencies and the Association of Occupational and Environmental Clinics (<http://www.aoec.org/about.htm>). Illnesses include acute and chronic conditions, such as a skin disease (eg, contact dermatitis), respiratory disorder (eg, occupational asthma), or poisoning (eg, lead poisoning or pesticide intoxication) (28).

Patient-centered actions can reduce body burdens of toxic chemicals (ie, the total amount of chemicals present in the human body at any one time) (29–32). For example, research results document that when children’s diets change from conventional to organic, the levels of pesticides in their bodies decrease (29, 30). Likewise, study results document that avoiding canned food and other dietary sources of bisphenol A can reduce measured levels of the chemical in children and adult family members (31), and that short-term changes in dietary behavior may significantly decrease exposure to phthalates (32).

Clinicians should encourage women in the preconception period and women who are pregnant or lactating to eat fruit, vegetables, beans, legumes, and whole grains every day, to avoid fast food and other processed foods whenever possible, and to limit foods high in animal fat, while providing information about how certain types of food affect health and how individuals can make changes. Also, patients should be advised that some large fish, such as shark, swordfish, king mackerel, and tilefish, are known to contain high levels of methylmercury, which is known to be teratogenic. As such, women in the preconception period and women who are pregnant or lactating should avoid these fish. To gain the benefits of consuming fish, while avoiding the risks of methylmercury consumption, pregnant women should be encouraged to enjoy a variety of other types of fish, including up to 12 ounces a week (two average meals) of a variety of fish and shellfish that are low in mercury. Five of the most commonly eaten seafood items that are low in mercury are shrimp, canned light tuna, salmon, pollock, and catfish. White (albacore) tuna has more mercury than canned light tuna and should be limited to no more than 6 ounces per week. Pregnant women and breastfeeding women should also check local advisories regarding the safety of fish caught in local lakes, rivers, and coastal areas. If no advice is available, they should consume no more than 6 ounces per week (one average meal) of fish caught in local waters and no other fish during that week (33).

Primary Prevention: The Role of Reproductive Care Professionals Beyond the Clinical Setting

Ultimately, evidence-based recommendations for preventing harmful environmental exposure must involve

policy change (34). Action at the individual level can reduce exposure to some toxic chemicals (29, 31, 32) and informed consumer-purchasing patterns can send a signal to the marketplace to help drive societal change (35). However, individuals alone can do little about exposure to toxic environmental agents, such as from air and water pollution, and exposure perpetuated by poverty. The incorporation of the authoritative voice of health care professionals in policy arenas is critical to translating emerging scientific findings into prevention-oriented action on a large scale. Accordingly, many medical associations have taken steps in that direction (23).

For example, in 2009, the Endocrine Society called for improved public policy to identify and regulate endocrine disrupting chemicals and recommended that “until such time as conclusive scientific evidence exists to either prove or disprove harmful effects of substances, a precautionary approach should be taken in the formulation of EDC [endocrine disrupting chemical] policy” (36). Consistent with the clinical imperative to “do no harm,” the precautionary principle states, “When an activity raises threats of harm to human health or the environment, precautionary measures should be taken even if some cause and effect relationships are not fully established scientifically” (37).

The College and the ASRM join these associations and call on their members to advocate for policies to identify and reduce exposure to environmental toxic agents while addressing the consequences of such exposure. Advancing policies and practices in support of a healthy food system should be pursued as a primary prevention strategy to ensure the health of pregnancies, children, and future generations. The College and ASRM urge the U.S. Environmental Protection Agency and other federal and state agencies to take all necessary actions when reviewing substances to guarantee health and safety. In addition, the College and ASRM fully support rigorous scientific investigation into the causes and prevention of birth defects, including linkages between environmental hazards and adverse reproductive and developmental health outcomes. Timely and effective steps must be taken to ensure the safety of all mothers and infants from toxic environmental agents. Because data are lacking on the safety of most chemicals, careful consideration of the risks posed must be given while the potential immediate and long-term health and genetic risks are evaluated. A chemical should never be released if a concern exists regarding its effect on health.

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House Committee on Energy and Environmental Protection
Chair Representative Lee
Vice Chair Representative Lowen

Hearing for HB 2574
Thursday, February 4, 2016
8:00 AM, Capitol Room 325

Malia K. Chun

Mother, Educator, Concerned Citizen

TESTIMONY IN STRONG SUPPORT OF HB 2574 – Relating to Environmental Protection

Aloha e Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

My name is Malia K. Chun and I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

As a parent/teacher/concerned citizen I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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 use pesticides are at a risk of neurodevelopmental disabilities like autism and ADHD^{i,ii,iii,iv}, leukemia^{v,vi,vii}, and asthma^{viii,ix,x}.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to August 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program^{xi}.

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. Although the "Kaua'i Agricultural Good Neighbor Program" was established to allow companies to voluntarily disclose pesticide application, this program is an unreliable compromise to

mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting.

Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Sincerely,

Malia K. Chun

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From: mailinglist@capitol.hawaii.gov
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To: EEPtestimony
Cc: jessicamitchell51@yahoo.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Jessica Mitchell	Individual	Support	No

Comments: This is the beginning of disclosure that neighbors deserve.

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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HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Bryna Storch	Commercial Farmer	Support	No

Comments: Protect our kids and our farms from pesticide drift!!!

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Cc: mamaupin@hotmail.com
Subject: *Submitted testimony for HB2574 on Feb 4, 2016 08:00AM*

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Margaret Maupin, APRN	Individual	Support	No

Comments:

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Testimony in opposition to HB2574

Submitted by: Allan Parachini, 2319 Kamalii St., Kilauea, HI 96754

aparachini@parachinigroup.com

I urge you to reject HB2574 on the grounds that its provisions are unnecessary under existing federal and State of Hawaii rules and standards for pesticide monitoring. This bill is transparently intended to pile on the public hysteria created by opponents of genetically modified organism (GMO) agriculture. The bill seeks to portray itself as a standard to be applied evenly, but it is not. It is intended to target seeds companies that raise various GMO seed varieties in Hawaii.

This bill is, essentially, a solution in search of a problem in that it makes various findings on behalf of the Legislature that are not supported scientifically and did not result from any reasoned and impartial legislative inquiry.

Perhaps the most troubling aspect of this bill is the provision that would permit anyone in the general public to file litigation to enjoin use of pesticides in a particular location on a particular date and stack the deck against the agricultural entity seeking to use the pesticides—even with all appropriate and required state and federal permits and authorizations.

The bill's true intended targets—the GMO seed companies—are clearly alluded to since many of the bill's provisions would apply only to them. If this bill is to move forward as a statewide level regulatory playing field, it should be amended to

- 1) Apply equally to all agricultural users of any pesticide. This would include so-called organic farms.
- 2) Apply all other users of any RUP pesticide, especially golf courses and termite control contractors.
- 3) Vest enforcement authority in the appropriate state agency and strike the language that invites frivolous and unnecessary injunction actions against agricultural entities.

The proponents of this bill have seized upon a recent incident on Kauai to try to prove their case this bill is necessary. It would probably be useful to review what occurred within the last three or four weeks:

Ten employees of one of the seed companies mistakenly entered a field that had recently undergone a pesticide application. Their supervisor became aware of the incident almost immediately. A state agricultural inspector who happened to be on the property was immediately notified and provided with access to the employees and all pertinent information. The company provided disinfection facilities and then immediately transported all of the employees, in company vehicles, to an appropriate medical facility, where all were examined. No employee displayed any symptoms of adverse pesticide reaction and none of them required any medical treatment.

This was, in other words, an example of the existing regulatory system working exactly the way it is supposed to work.

The five-year-old controversy over GMOs, which has evolved into a supposed pesticide focused movement has already done enough damage to agriculture in Hawaii. I urge you to reject this proposal or to amend it so it truly applies equally to all pesticide use.

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 2:45 PM
To: EEPtestimony
Cc: katc31999@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Katarina Culina	Individual	Support	No

Comments: Aloha, Thank you writers and supporters of this bill. Unfortunately, we are allowing pesticides sprayed in the vicinity of schools. Least we could ask for is to know the ingredients of these toxic sprays. Mahalo, Katarina Culina Po box 2142 Pahoia, HI 96778

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

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 2:40 PM
To: EEPtestimony
Cc: rippeddisc@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

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

Comments: SUPPORT HB2574. Public has right to know.

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 2:38 PM
To: EEPtestimony
Cc: samantha.berberich@yahoo.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

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

Comments: TESTIMONY IN STRONG SUPPORT OF HB 2574 – Relating to Environmental Protection Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection, My name is Samantha Berberich and I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki’s health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas. As a concerned citizen I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai’i. 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, leukemia, and asthma. Children in Hawai’i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the “Kaua’i Agricultural Good Neighbor Program,” a voluntary pesticide disclosure program in the County of Kaua’i. Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua’i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua’i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program . 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. Although the “Kaua’i Agricultural Good Neighbor Program” was established to allow companies to voluntarily disclose pesticide application, this program is an unreliable compromise to mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting. Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure. Sincerely, Samantha Berberich

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 2:38 PM
To: EEPtestimony
Cc: samantha.berberich@yahoo.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

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

Comments: TESTIMONY IN STRONG SUPPORT OF HB 2574 – Relating to Environmental Protection Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection, My name is Samantha Berberich and I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki’s health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas. As a concerned citizen I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai’i. 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, leukemia, and asthma. Children in Hawai’i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the “Kaua’i Agricultural Good Neighbor Program,” a voluntary pesticide disclosure program in the County of Kaua’i. Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua’i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua’i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program . 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. Although the “Kaua’i Agricultural Good Neighbor Program” was established to allow companies to voluntarily disclose pesticide application, this program is an unreliable compromise to mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting. Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure. Sincerely, Samantha Berberich

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

TESTIMONY BEFORE THE
HOUSE COMMITTEE ON COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

FEBRUARY 4, 2016

TESTIMONY ON
HB 2574
RELATING TO ENVIRONMENTAL PROTECTION

Chair Lee and committee members:

My name is Dr. John Purcell, Vice President, Business and Technology Lead Monsanto Hawaii. Thank you for allowing us to comment on HB 2574.

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

Good public policy must be based on facts. We encourage the committee to examine the basic facts on pesticide use in Hawaii to assess what actual risks these uses might present to the population and the environment. The Hawaii State Department of Agriculture has the data on purchases of Restricted Use Pesticides (RUPs). Any legislation on buffer zones or reporting requirements has to start with the actual facts and figures that define what sectors employ RUPs and how much they use. In 2013 for example, 1.3 million pounds of RUPs were purchased and the Agriculture sector accounted for less than 1/3 of these RUP purchases. The seed industry is the largest sector in Agriculture. Monsanto is the largest seed company and owns or leases about 8,500 acres and we use less than 1% of the total RUPs sold in Hawaii.

From a disclosure standpoint, Monsanto Hawaii already voluntarily discloses its RUP usage in Maui County as part of the Memorandum of Understanding with the County. Monsanto Hawaii also voluntarily discloses its statewide RUP usage. The active ingredients we use, their amounts and the common household products that these same active ingredients are found in are all disclosed. We know the public has questions regarding pesticide use, and we actively engage in conversations with the community. Monsanto Hawaii discloses a wealth of information on our farming practices through our website and social media sites such as Facebook and Instagram. We also offer tours, open houses and regularly give presentations throughout the community. We are very proud of our operations and are happy to share the real story of how we farm and how we give back to our communities in Hawaii.

Thank you.

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 1:59 PM
To: EEPtestimony
Cc: 13mulisha@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Josiah Jurich	Individual	Support	No

Comments: It really hard to believe that we have to continue testifying on this subject. This is a common sense, and essential requirement that should have been addressed years ago.

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HB 2574

I strongly support of HB 2574. This bill is a very important step toward protecting our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

Sincerely,
Holli Shiro
Waipahu

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 1:25 PM
To: EEPtestimony
Cc: sanseironin@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Harry Yoshida	Individual	Support	No

Comments: Sir: I wish to express my strong support of HB 2574. The issue of both herbicide and pesticide use without any oversight by companies like Monsanto, DuPont-Pioneer, Dow Chemical Agro Science, Syngenta, and BASF poses a serious health risk to all here in the islands and should not be allowed to continue. Interestingly, Syngenta is not allowed in its native country of Switzerland to use the herbicides and pesticides that they produce and promote in other parts of the world. Hawaii is a great place for these companies to do their experiments as there are almost no regulation over their activities, the weather allows year round planting, and if something does go wrong, the effects would be minimal to the rest of the world, due to our isolation. Yes, great for them but bad for the people who live here so I would urge that you all support any and all measures that will closely monitor their activities. Passage of this bill would be a good start.

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February 2, 2016
Testimony in Support of HB2574

Aloha kākou,

Thank you for taking the time to read my comments on HB2574

My name is Sara Tekula, and I am a 40 year old, college educated, working mother of a 3 year old boy who is currently attending a day care in a heavy-use agricultural area of Lower Kula.

My husband Joe Imhoff and I are both active land stewardship/native habitat restoration practitioners living in Makawao and we care deeply about the health of our delicate Hawai'i ecosystems and the health of our community members.

I write today to submit your testimony today in SUPPORT of HB2574 to require chemical companies to disclose what they're spraying and require buffer zones! This would be the first-ever mandatory pesticide disclosure program for the state, and it is time for us to take this important step towards accountability and an informed public.

Hawai'i's communities have no choice but to live, work, and commute daily in areas under threat of toxic pesticide drift – and they do not have access to information that would allow them to protect themselves from this vital threat. With agrochemical companies spraying 2 out of every 3 days, mandatory public disclosure will ensure the industrial agriculture is held responsible for the potential impacts of its pesticides on human health and the environment.

Mahalo piha for your time and consideration,
Sara Tekula

From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 12:40 PM
To: EEPtestimony
Cc: jgelert@yahoo.com
Subject: *Submitted testimony for HB2574 on Feb 4, 2016 08:00AM*

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

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

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 12:34 PM
To: EEPtestimony
Cc: shyla.moon@ymail.com
Subject: *Submitted testimony for HB2574 on Feb 4, 2016 08:00AM*

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Shyla Moon	Individual	Oppose	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Tuesday, February 02, 2016 11:57 AM
To: EEPtestimony
Cc: dana@akaku.org
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/2/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Dana Fulton	Individual	Support	No

Comments: As a homeowner, we have just as much a right to the land than these companies, if not more. We have a right to know WHO and WHAT is going in next door and WHAT will be in our neighborhoods. SUPPORT this. WE the people deserve to know what these corporations are doing with OUR land.

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EEPttestimony

From: Kim Hoffman <kim@incaas.com>
Sent: Tuesday, February 02, 2016 1:15 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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. Although the "Kaua'i Agricultural Good Neighbor Program" was established to allow companies to voluntarily disclose pesticide application, this program is an unreliable compromise to mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting.

Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Kim Hoffman
72 Kapiolani
Hilo, HI 96721

EEPttestimony

From: Danya Hakeem <dhakeem@centerforfoodsafety.org>
Sent: Tuesday, February 02, 2016 10:00 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Danya Hakeem
743 18th Ave
Honolulu, HI 96816

EEPttestimony

From: Alan Young <alyguy@hotmail.com>
Sent: Tuesday, February 02, 2016 12:44 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Alan Young
2067 Kinooole Street
Hilo, HI 96720

EEPttestimony

From: Aaron Rosenstiel <aosenstiel@yahoo.com>
Sent: Tuesday, February 02, 2016 8:36 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Aaron Rosenstiel
5904 Kaapuni Road
Kapaa, HI 96746

EEPttestimony

From: Aimee Rice <dh1lighthouse@aol.com>
Sent: Tuesday, February 02, 2016 12:22 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Aimee Rice
1166a 20th Ave
Honolulu, HI 96816

EEPttestimony

From: Alan Ewell <ewell@hawaii.rr.com>
Sent: Tuesday, February 02, 2016 1:27 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Alan Ewell
4176 Round Top Drive
Honolulu, HI 96822

EEPttestimony

From: Alessandra Gallian <alessa.gallian@gmail.com>
Sent: Tuesday, February 02, 2016 9:57 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Alessandra Gallian
6370 Hawaii Kai Drive
Honolulu, HI 96825

EEPttestimony

From: alice thigpen <alicediving@yahoo.com>
Sent: Tuesday, February 02, 2016 5:06 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

alice thigpen
93 Puako Beach Dr
kamuela, HI 96743

EEPttestimony

From: Alyshea Hiraga <H.alyshea@gmail.com>
Sent: Tuesday, February 02, 2016 3:07 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Alyshea Hiraga
Koauka loop
Aiea, HI 96701

EEPttestimony

From: Amanda Corby <aacorby@gmail.com>
Sent: Tuesday, February 02, 2016 3:12 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Amanda Corby
PO Box 61676
Honolulu, HI 96839

EEPttestimony

From: Amy Fonarow <afonarow@yahoo.com>
Sent: Tuesday, February 02, 2016 2:03 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Amy Fonarow
120 Hui Road F
Lahaina, HI 96761

EEPttestimony

From: Andrew Adle <andy@phorus.com>
Sent: Tuesday, February 02, 2016 1:39 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Andrew Adle
7346 De Soto Ave.
Canoga Park, CA 91303

EEPttestimony

From: Andy Thomas <samohtag@hotmail.com>
Sent: Tuesday, February 02, 2016 5:17 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Andy Thomas
777 Hana HWY Apt. 208
Paia, HI 96779

EEPttestimony

From: Angela Flynn <angelaflynn80@msn.com>
Sent: Tuesday, February 02, 2016 12:24 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Angela Flynn
HO box 56
Ha'iku, HI 96708

EEPttestimony

From: Ann Underwood <annieuwood@yahoo.com>
Sent: Tuesday, February 02, 2016 12:44 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Ann Underwood
4677 Alawai Rd
Waimea, HI 96796

EEPttestimony

From: Ann Verga <annverga@yahoo.com>
Sent: Tuesday, February 02, 2016 9:47 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Ann Verga
1325 17th Avenue
Honolulu, HI 96816

EEPttestimony

From: anne zellinger <azmole@yahoo.com>
Sent: Tuesday, February 02, 2016 3:00 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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anne zellinger
59-171 Ke Nui Road
haleiwa, HI 96712

EEPttestimony

From: arthur berman <pandabearman2@yahoo.com>
Sent: Tuesday, February 02, 2016 8:02 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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arthur berman
201 awalau rd.
haiku, HI 96708

EEPttestimony

From: Audrey Allencastre <aallencastre@gmail.com>
Sent: Tuesday, February 02, 2016 3:33 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Audrey Allencastre
2299 Kaupakalua Rd
Haiku, HI 96708

EEPttestimony

From: Ava Fedorov <telltaleeye@gmail.com>
Sent: Tuesday, February 02, 2016 11:59 AM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Ava Fedorov
115B Popoia Rd
Kailua, HI 96734

EEPttestimony

From: Avi Okin <aniko65@live.com>
Sent: Tuesday, February 02, 2016 6:28 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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. Although the "Kaua'i Agricultural Good Neighbor Program" was established to allow companies to voluntarily disclose pesticide application, this program is an unreliable compromise to mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting.

Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Avi Okin
64-5267 Puanuanu Place
Kamuela, HI 96743

EEPttestimony

From: B Miyano Young <binhawaii1234@gmail.com>
Sent: Tuesday, February 02, 2016 12:32 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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B Miyano Young
P o 61753
Honolulu, HI 96839

EEPttestimony

From: Barbara Altemus <Baltemus@aol.com>
Sent: Tuesday, February 02, 2016 9:17 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Barbara Altemus
3449 Keahi Place
Honolulu, HI 96822

EEPttestimony

From: Barbara Nosaka <barbrick@hawaiiantel.net>
Sent: Tuesday, February 02, 2016 1:52 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Barbara Nosaka
2216 Hoonanea Street
Honolulu, HI 96822

EEPttestimony

From: Barry Sato <bsato@theavco.net>
Sent: Tuesday, February 02, 2016 11:55 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Barry Sato
2363 anini pl
pearl city, HI 96701

EEPttestimony

From: Berrie Straatman <bernene@hotmail.com>
Sent: Tuesday, February 02, 2016 1:39 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Berrie Straatman
469 Ena Rd.
Honolulu, HI 96815

EEPttestimony

From: Bill Masons <Bill.manos@outlook.com>
Sent: Tuesday, February 02, 2016 1:58 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Bill Masons
1566 Kekaulike ave
Kula, HI 96790

EEPttestimony

From: Birgitta van der Elst <gitanagitta@live.nl>
Sent: Tuesday, February 02, 2016 12:09 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Birgitta van der Elst
waddenstraat 114
Haarlem, HI 2036nb

EEPttestimony

From: Bo Breda <bobreda@gmail.com>
Sent: Tuesday, February 02, 2016 11:51 AM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Bo Breda
13-927 Kahukai Street
Pahoa, HI 96778

EEPttestimony

From: Bob Akamine <bobpobox@gmail.com>
Sent: Tuesday, February 02, 2016 1:42 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Bob Akamine
19 Loulu Lane #A
Hilo, HI 96720

EEPttestimony

From: bonnie chadwick <bonbon2@hawaii.rr.com>
Sent: Tuesday, February 02, 2016 11:48 AM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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bonnie chadwick
21 nia place
LAHAINA, HI 96761

EEPttestimony

From: Brad Parsons <kauaiBrad@hotmail.com>
Sent: Tuesday, February 02, 2016 1:53 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Brad Parsons
P.O. Box 223374
Princeville, HI 96722

EEPttestimony

From: Brian Emmons <brimohi@msn.com>
Sent: Tuesday, February 02, 2016 7:23 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Brian Emmons
1755 Waiola St
Honolulu, HI 96826

EEPttestimony

From: Burt Furuta <bfuruta@hawaii.rr.com>
Sent: Tuesday, February 02, 2016 12:41 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Burt Furuta
242A Koalele Street
Honolulu, HI 96813

EEPttestimony

From: Carli Gardner <carlijegardner@gmail.com>
Sent: Tuesday, February 02, 2016 5:31 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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. Although the "Kaua'i Agricultural Good Neighbor Program" was established to allow companies to voluntarily disclose pesticide application, this program is an unreliable compromise to mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting.

Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Carli Gardner
45-227 Koa Kahiko St.
kaneohe, HI 96744

EEPttestimony

From: Carly Wilson <Carlyw@hawaii.edu>
Sent: Tuesday, February 02, 2016 3:15 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Carly Wilson
PO Box 704
Haleiwa, HI 96712

EEPttestimony

From: Carol Beardmore <willie.cb@gmail.com>
Sent: Tuesday, February 02, 2016 6:06 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Carol Beardmore
1051 Puuopae Road
Kapaa, HI 96746

EEPttestimony

From: Carol Brock <mauinonni7@yahoo.com>
Sent: Tuesday, February 02, 2016 12:48 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Carol Brock
1057 Makawao Ave, B303
Makawao, HI 96768

EEPttestimony

From: Caroline McCloud <leighmcloud@yahoo.com>
Sent: Tuesday, February 02, 2016 12:06 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Caroline McCloud
2005 Winding Way
Anderson, IN 46011

EEPttestimony

From: Carol Fahy <cfahyrice@yahoo.com>
Sent: Tuesday, February 02, 2016 4:55 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Carol Fahy
47-122 Uakoko Place
Kaneohe, HI 96744

EEPttestimony

From: Carol Sallas <carollynn@carollynn.com>
Sent: Tuesday, February 02, 2016 12:32 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Carol Sallas
835 olokele ave apt h
honolulu, HI 96816

EEPttestimony

From: Catherine Clement <cateclement@gmail.com>
Sent: Tuesday, February 02, 2016 1:22 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Catherine Clement
PO Box 1450
Kilauea, HI 96754

EEPttestimony

From: Cedric Wiggins <Cedrix39@gmail.com>
Sent: Tuesday, February 02, 2016 5:38 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Cedric Wiggins
Hanawi
Papaikou, HI 96781

EEPttestimony

From: Charles Gallagher <gallaghec003@hawaii.rr.com>
Sent: Tuesday, February 02, 2016 2:39 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Charles Gallagher
375 Wailuku Drive
Hilo, HI 96720

EEPttestimony

From: Charmaine Pulgados <cpulgados@gmail.com>
Sent: Tuesday, February 02, 2016 9:01 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Charmaine Pulgados
75-5660 Kopiko Street
Kailua-Kona, HI 96740

EEPttestimony

From: Chris R renwick <twinturbo201@yahoo.com>
Sent: Tuesday, February 02, 2016 6:20 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Chris R renwick
ewa pl
kihei, HI 96753

EEPttestimony

From: Christy Kahoohanohano <hokulani23@hotmail.com>
Sent: Tuesday, February 02, 2016 12:11 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Christy Kahoohanohano
Po box 1235
Makawao, HI 96768

EEPttestimony

From: colin kurata <colin@kurata-law.com>
Sent: Tuesday, February 02, 2016 11:49 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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colin kurata
1 keahole place #3310
honolulu, HI 96813

EEPttestimony

From: Colleen Wheeler <cwheeler@shrinenet.org>
Sent: Tuesday, February 02, 2016 11:52 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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. Although the "Kaua'i Agricultural Good Neighbor Program" was established to allow companies to voluntarily disclose pesticide application, this program is an unreliable compromise to mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting.

Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Colleen Wheeler
4112 Puumalu Place
Honolulu, HI 96816

EEPtestimony

From: D B <elitehawaii1@yahoo.com>
Sent: Tuesday, February 02, 2016 12:12 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

ITS FINALLY TIME TO STOP LEAVING US IN THE DARK..ABOUT WHEN THESE CHEMICAL CORPORATION'S SPRAY THEIR DEADLY CHEMICALS...

IF YOU ARE TRULY SERVING THE PUBLIC
WHICH YOU ALL DID TAKE THE OATH OF OFFICE TO DO.....
THEN WE DEMAND YOU SUPPORT HB2574 NOW....~!!

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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D B
AUHANA
KIHEI, HI 96753

EEPttestimony

From: d.c. hove <dchove57@gmail.com>
Sent: Tuesday, February 02, 2016 9:46 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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d.c. hove
91-1014 mikohu st.
ewa beach, hi 96706, HI 96706

EEPttestimony

From: David Rees <chargers12thman@gmail.com>
Sent: Tuesday, February 02, 2016 3:55 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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David Rees
PO Box 1705
Wainiha, HI 96714

EEPttestimony

From: David Spafford <dspaffor@gmail.com>
Sent: Tuesday, February 02, 2016 12:01 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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David Spafford
2189 Helo Place
Honolulu, HI 96816

EEPttestimony

From: david sutton <malamaourworld@gmail.com>
Sent: Tuesday, February 02, 2016 3:30 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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david sutton
PO Box 1159
Kilauea, HI 96754

EEPttestimony

From: Dawn Hudson <dawnntaylor@yahoo.com>
Sent: Tuesday, February 02, 2016 2:22 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Dawn Hudson
32 Hoku Place
Paia, HI 96779

EEPttestimony

From: deborah kremins <soulmocean@gmail.com>
Sent: Tuesday, February 02, 2016 1:32 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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deborah kremins
pobox 790303
paia, HI 96779

EEPttestimony

From: delbert contival <dcontival@hawaii.rr.com>
Sent: Tuesday, February 02, 2016 11:57 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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delbert contival
3885 Waha Rd.
Kalaheo, HI 96741

EEPttestimony

From: Denise Hennig <den@aloha.net>
Sent: Tuesday, February 02, 2016 6:09 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. ~~This bill requires~~ that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor **Denise Hennig** cultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Denise Hennig
P.O. Box 630098
Lanai City, HI 96763

EEPttestimony

From: Denise Lionetti <mauiaroma@gmail.com>
Sent: Tuesday, February 02, 2016 10:02 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Denise Lionetti
120 Baldwin Ave
Paia, HI 96779

EEPttestimony

From: Derek Priddy <qderekq@gmail.com>
Sent: Tuesday, February 02, 2016 11:51 AM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Derek Priddy
747 Wiliwili St Apt 1103
Honolulu, HI 96826

EEPttestimony

From: deva bott <devabott@gmail.com>
Sent: Tuesday, February 02, 2016 12:54 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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deva bott
211 kohola st
hilo, HI 96720

EEPttestimony

From: Diane Koerner <dianekoerner@yahoo.com>
Sent: Tuesday, February 02, 2016 12:41 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Diane Koerner
14-5027 Kapoho Beach Rd
Pahoa, HI 96778

EEPttestimony

From: Diane Dooley <mauimeowi@msn.com>
Sent: Tuesday, February 02, 2016 8:22 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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. Although the "Kaua'i Agricultural Good Neighbor Program" was established to allow companies to voluntarily disclose pesticide application, this program is an unreliable compromise to mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting.

Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Diane Dooley
1993 S. Kihei Rd
Kihei, HI 96753

EEPttestimony

From: Don Najita <kamaaina@pilipono.com>
Sent: Tuesday, February 02, 2016 8:27 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Don Najita
PO Box 11737
Honolulu, HI 96828

EEPttestimony

From: Doorae Shin <doorae@hawaii.edu>
Sent: Tuesday, February 02, 2016 3:22 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and members of the House Committee on Energy & Environmental Protection,

I am writing as a resident of O'ahu, an alumnus of the University of Hawai'i, and a community organizer in support of HB 2574.

When I moved to the islands from the mainland, I was taken away by the beauty of nature.

When I found out that Hawai'i is ground zero for dangerous chemical testing, I felt like I was in a nightmare. Rachel Carson's warning in her book *Silent Spring* in the 60's exposed the toxic nature of chemical pesticides, insecticides, and herbicides. As a scientist, she had seen directly the impact that the wide use of these chemicals had on biodiversity and human health.

These chemicals being sprayed on our beautiful land will cause damage that cannot be reversed. The keiki and communities living here, especially in the places closest to spraying zones are being poisoned against their will.

We cannot continue to allow this to happen without public disclosure. We cannot continue to risk the biodiversity of our 'āina and the health of our people.

What are we doing this for? The testing of these chemicals for agriculture is unnecessary and unsustainable. The U.N. Commission on Trade and Development (UNCTAD) released a report 2 years ago proving that to "feed the world" and save our lands, we must return to small-scale sustainable agriculture, not industrial or GMO agriculture. We must listen to these calls not only for ourselves but for the environment that provides life to us everyday and for our keiki here today and those to come that will continue to depend on that environment to be healthy to live on these islands without being poisoned against their will.

http://www.huffingtonpost.com/2013/12/17/un-report-organic-farming_n_4461577.html

Doorae Shin
Lono pl
Honolulu, HI 96815

EEPttestimony

From: Dwayne Munar <dwayne_munar@yahoo.com>
Sent: Tuesday, February 02, 2016 1:48 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. ~~This bill requires~~ that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor **Dwayne Munar** agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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. Although the "Kaua'i Agricultural Good Neighbor Program" was established to allow companies to voluntarily disclose pesticide application, this program is an unreliable compromise to mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting.

Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Dwayne Munar
84-270 Jade Street
Waianae, HI 96792

EEPttestimony

From: Ed Felien <edfelien@southsidepride.com>
Sent: Tuesday, February 02, 2016 7:23 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Ed Felien
558 Kaleo Pl
Maui Meadows, HI 96753

EEPttestimony

From: Elaine Lite <crittermagnc@charter.net>
Sent: Tuesday, February 02, 2016 1:03 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

As an annual visitor to the island of Maui to visit family and friends, I am writing to respectfully urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Elaine Lite
72 Gibson Rd.
Asheville, NC 28804

EEPttestimony

From: ELIEL STARBRIGHT <elielstarbright@gmail.com>
Sent: Tuesday, February 02, 2016 12:59 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

ELIEL STARBRIGHT
5306 Kahala St.
kapaa, HI 96746

EEPttestimony

From: Ellison Montgomery <ellisonm@hawaii.edu>
Sent: Tuesday, February 02, 2016 4:49 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Ellison Montgomery
120 Puueo St
Hilo, HI 96720

EEPttestimony

From: Elston H. Kamaka <elstonkamaka@yahoo.com>
Sent: Tuesday, February 02, 2016 7:54 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Elston H. Kamaka
74-5113 Kealakaa Street
Kailua-Kona, HI 96740

EEPttestimony

From: emma whitney <emmastoller@gmail.com>
Sent: Tuesday, February 02, 2016 12:31 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

emma whitney
1 haleakala
kula, HI 96790

EEPttestimony

From: Ernest Jepson <scottspalapa@yahoo.com>
Sent: Tuesday, February 02, 2016 2:44 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Ernest Jepson
PO Box 724
Kihei, HI 96753

EEPttestimony

From: Eve Dion <Eadh2O@pacbell.net>
Sent: Tuesday, February 02, 2016 11:59 AM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Eve Dion
236A hillside ave
Anahola, HI 96703

EEPttestimony

From: Eve Thayer-Stewart <evestewart23@gmail.com>
Sent: Tuesday, February 02, 2016 4:42 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Eve Thayer-Stewart
501 Drexel Dr
Santa Barbara, CA 93103

EEPttestimony

From: Fay Jacinto <secretgarden9@outlook.com>
Sent: Tuesday, February 02, 2016 2:20 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Fay Jacinto
152 Hokai Place
Kihei, HI 96753

EEPttestimony

From: Frederick Von Essen <Phredwise@hotmail.com>
Sent: Tuesday, February 02, 2016 2:43 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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. Although the "Kaua'i Agricultural Good Neighbor Program" was established to allow companies to voluntarily disclose pesticide application, this program is an unreliable compromise to mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting.

Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Frederick Von Essen
234 Kupaa st
Paia, HI 96779

EEPttestimony

From: Gabriela Benito <benitog@hawaii.edu>
Sent: Tuesday, February 02, 2016 3:42 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Gabriela Benito
P.O. Box 892
Volcano, HI 96785

EEPttestimony

From: Gail Tredwell <gailiwell@gmail.com>
Sent: Tuesday, February 02, 2016 5:01 PM
To: EEPttestimony
Subject: HB2574 In Support

I support this bill and having the right to know what we are being exposed to. Please stop poisoning us.

Yours sincerely

Gail Tredwell

Sent from my iPhone

EEPttestimony

From: Gala Lirette <gala.lirette@gmail.com>
Sent: Tuesday, February 02, 2016 3:00 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Gala Lirette
66A Kaiwiki Rd
Hilo, HI 96720

EEPttestimony

From: Gary Johnson <orchids_7@hotmail.com>
Sent: Tuesday, February 02, 2016 6:46 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Gary Johnson
355 Aoloa St.
Kailua, HI 96734

EEPttestimony

From: Gina Hungerford <ginahungerford@gmail.com>
Sent: Tuesday, February 02, 2016 6:31 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Gina Hungerford
68-085 Waialua Beach Rd
Waialua, HI 96791

EEPttestimony

From: Glenn Oswald <mauiweaverboyz@yahoo.com>
Sent: Tuesday, February 02, 2016 12:48 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Glenn Oswald
150 south Lanikai Place
Haiku, Maui, HI 96708

EEPttestimony

From: Gregg Kravitz <Greggbkravitz@gmail.com>
Sent: Tuesday, February 02, 2016 2:22 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Gregg Kravitz
4009 Kaikio'ewa Place
Princeville, HI 96722

EEPttestimony

From: Haley Randell <haleyrandell9@gmail.com>
Sent: Tuesday, February 02, 2016 11:32 AM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Haley Randell
4402 Clarey Blvd
Honolulu, HI 96818

EEPttestimony

From: Hanna Bree <hanna.bree@gmail.com>
Sent: Tuesday, February 02, 2016 2:37 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Hanna Bree
PO Box 2250
Kamuela, HI 96743

EEPttestimony

From: Irene McPhee <irenemcphee@hotmail.com>
Sent: Tuesday, February 02, 2016 4:04 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Irene McPhee
225 Punakea Loop
Lahaina, HI 96761

EEPttestimony

From: Iris sullivan <Ameris@pacbell.net>
Sent: Tuesday, February 02, 2016 11:59 AM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Iris sullivan
1224 lower kimo
kula, HI 96790

EEPttestimony

From: Isabelle Yao <isayao@mac.com>
Sent: Tuesday, February 02, 2016 4:15 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Isabelle Yao
66-220 Kam. Hwy
Hale'iwa, HI 96712

EEPttestimony

From: Jackie Rodgers <jackie.steve@yahoo.com>
Sent: Tuesday, February 02, 2016 6:54 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Jackie Rodgers
2637 Moolio Place
Kihei, HI 96753

EEPttestimony

From: James Lee <jamesj@james-barry.net>
Sent: Tuesday, February 02, 2016 1:49 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Malama aina. Malama pono.

Mahalo nui loa.

James Lee
3136 South Kihei Road
Kihei, HI 96753

EEPttestimony

From: Jamie Louis <jlouis@hawaii.edu>
Sent: Tuesday, February 02, 2016 7:54 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Jamie Louis
PO Box 269
Pearl City, HI 96782

EEPttestimony

From: Jane Duncan <haleiwajane@hotmail.com>
Sent: Tuesday, February 02, 2016 9:17 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Jane Duncan
67-454 Haona Street
Waialua, HI 96791

EEPttestimony

From: Janet Pappas <jpappas60@gmail.com>
Sent: Tuesday, February 02, 2016 9:28 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Janet Pappas
98-1287 Akaaka St
Aiea, HI 96701

EEPttestimony

From: Jay Duquette <Jaymanmolokai@live.com>
Sent: Tuesday, February 02, 2016 6:03 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Jay Duquette
8231 Kam V hwy
Kaunakakai, HI 96748

EEPttestimony

From: jerome karzen <jerry@feldenkraishawaii.com>
Sent: Tuesday, February 02, 2016 6:53 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

jerome karzen
281 kaulani dr.
makawao, HI 96768

EEPttestimony

From: jo amsterdam <joamsterdam@hotmail.com>
Sent: Tuesday, February 02, 2016 12:13 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

jo amsterdam
3704 elau road
kalaheo, HI 96741

EEPttestimony

From: jo stroud <docstroud@sbcglobal.net>
Sent: Tuesday, February 02, 2016 3:08 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

jo stroud
84-265 Farrington Highway
Waianae, HI 96792

EEPttestimony

From: Joanna Weber <joanna.franz@gmail.com>
Sent: Tuesday, February 02, 2016 5:18 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Joanna Weber
76-789 'Io Place
Kailua-Kona, HI 96740

EEPttestimony

From: John Davis <alohaainaservices@gmail.com>
Sent: Tuesday, February 02, 2016 3:06 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

John Davis
485 Waiuanue Ave #147K
Hilo, HI 96720

EEPttestimony

From: John Naylor <jdancer@kula.us>
Sent: Tuesday, February 02, 2016 8:59 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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John Naylor
P.O. Box 1749
makawao, HI 96768

EEPttestimony

From: John Nix <nix@lifeislight.com>
Sent: Tuesday, February 02, 2016 1:22 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

John Nix
P O Box 808
Kihei, HI 96753

EEPttestimony

From: John Sweeney <johnasweeney@gmail.com>
Sent: Tuesday, February 02, 2016 8:59 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

John Sweeney
140 Newcastle Walk
Woodstock, GA 30188

EEPttestimony

From: Jonathan Boyne <boyne@hawaii.edu>
Sent: Tuesday, February 02, 2016 12:04 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Jonathan Boyne
Kakela Dr.
Honolulu, HI 96822

EEPttestimony

From: Jonathan Irvine <jonnyerrv9@aol.com>
Sent: Tuesday, February 02, 2016 8:59 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

I am writing in support of house bill 2574. I am in full support of a bill that would require the disclosure of pesticides being sprayed in my neighborhood. It is my right to know what is being sprayed and used in crops in Maui County. The fact that these pesticides have been used without disclosure is insulting to me and my family. Hawai'i is not a place where toxic chemical pesticides can be sprayed without ill effects to our community and surrounding environment. Please put our health and well being above the interests of these mutinational pesticide companies. I am demanding the right to know!! Pass this bill and do what is right!

Jonathan Irvine
Oopu way
wailuku, HI 96793

EEPttestimony

From: jordan cerra <jordancerra@gmail.com>
Sent: Tuesday, February 02, 2016 10:01 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

jordan cerra
3155 Waialae Ave #104
Kaimuki, HI 96816

EEPttestimony

From: Josef Shapiro <Josef.shap@gmail.com>
Sent: Tuesday, February 02, 2016 5:26 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agricultural companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Josef Shapiro
537a kumulani dr
Kihei, HI 96753

EEPttestimony

From: Joy Lam <joyfulpup89@gmail.com>
Sent: Tuesday, February 02, 2016 10:20 AM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Joy Lam
2371 St. Louis Dr.
Honolulu, HI 96816

EEPttestimony

From: Joyclynn Costa <jkakai.kauihou@gmail.com>
Sent: Tuesday, February 02, 2016 8:28 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Joyclynn Costa
988 Iulani St
Haiku, HI 96708

EEPttestimony

From: Judy Kameoka <jykam2000@hotmail.com>
Sent: Tuesday, February 02, 2016 11:58 AM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Judy Kameoka
1650 south sycamore st
Petersburg, HI 23805

EEPttestimony

From: Julianne King <julianneking@hawaii.rr.com>
Sent: Tuesday, February 02, 2016 12:55 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Julianne King
320 Poopoo Pl
Kailua, HI 96734

EEPttestimony

From: Justin Agbayani <Jus.agbayani@gmail.com>
Sent: Tuesday, February 02, 2016 12:58 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Justin Agbayani
94-1071 Leko Place
Waipahu, HI 96797

EEPttestimony

From: karen brandon <zoogieone@aol.com>
Sent: Tuesday, February 02, 2016 6:37 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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karen brandon
449 Lauone Pl
Wailuku, HI 96793

EEPttestimony

From: kachina Palencia <kachinala@outlook.com>
Sent: Tuesday, February 02, 2016 1:39 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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kachina Palencia
3318A Keha Dr.
Kihei, HI 96753

EEPttestimony

From: Karen Gallagher <karengallagher222@gmail.com>
Sent: Tuesday, February 02, 2016 9:11 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Karen Gallagher
59-690 Kamehameha Hwy.
Haleiwa, HI 96712

EEPttestimony

From: Karen Kriegermeier <maukittie@yahoo.com>
Sent: Tuesday, February 02, 2016 12:14 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Karen Kriegermeier
230 Mehani Circle
Kihei, HI 96753

EEPttestimony

From: Karena Biber <kauaiwahine@hotmail.com>
Sent: Tuesday, February 02, 2016 7:47 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Karena Biber
848 kamalu road
Kapaa, HI 96746

EEPttestimony

From: Kate Burroughs <Buglady@sonic.net>
Sent: Tuesday, February 02, 2016 2:03 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Kate Burroughs
8521 Sonoma Ave.
Laupahoehoe, HI 95472

EEPttestimony

From: Kater Hiney <Kateralisha@gmail.com>
Sent: Tuesday, February 02, 2016 9:43 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Kater Hiney
Ahikawa
Kona, HI 96740

EEPttestimony

From: Katharine Ayers <kayersmaui@gmail.com>
Sent: Tuesday, February 02, 2016 1:55 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Katharine Ayers
99 Ala Apapa Place
Makawao, HI 96768

EEPttestimony

From: Kathleen Hendrix <Webesunshine@yahoo.com>
Sent: Tuesday, February 02, 2016 11:48 AM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Kathleen Hendrix
Ala Moana
Honolulu, HI 96830

EEPttestimony

From: Kathy Schuster <kathyschuster51@hotmail.com>
Sent: Tuesday, February 02, 2016 4:53 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Kathy Schuster
4-831 Kuhio Hwy.
Kapaa, HI 96746

EEPttestimony

From: Kathy Shimata <kshimata@hawaiiantel.net>
Sent: Tuesday, February 02, 2016 11:55 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. I am concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is shown by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Kathy Shimata
3453 Pawaina St
Honolulu, HI 96822

EEPttestimony

From: Kelly Tsutsui <Kellytsutsui@gmail.com>
Sent: Tuesday, February 02, 2016 4:07 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Kelly Tsutsui
59-756 Kamehameha hwy
Haleiwa, HI 96712

EEPttestimony

From: Katrina Ahia <katrinaham@hotmail.com>
Sent: Tuesday, February 02, 2016 9:54 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Katrina Ahia
16 Kumu Niu Place
Lahaina, HI 96761

EEPttestimony

From: Ken Stover <kstover@maui.net>
Sent: Tuesday, February 02, 2016 11:57 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Ken Stover
P.O. Box 160
Kihei, HI 96753

EEPttestimony

From: Keone Case <chiefsrnmc@gmail.com>
Sent: Tuesday, February 02, 2016 8:17 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Keone Case
55-490 Keawe Iki Pl.
Hawi, HI 96719

EEPttestimony

From: Kerri Morrison <kmonemail@yandex.com>
Sent: Tuesday, February 02, 2016 5:31 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Kerri Morrison
17 Willow Creek Drive
Hudson, NH 03051

EEPttestimony

From: Kevin Brown <kblimey@gmail.com>
Sent: Tuesday, February 02, 2016 2:20 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Kevin Brown
8795 Kamehameha V Hwy
Kaunakakai, HI 96748

EEPttestimony

From: Kevin Kekoa <kkekoa@gmail.com>
Sent: Tuesday, February 02, 2016 12:11 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Kevin Kekoa
1212 Punahou Street
Honolulu, HI 96826

EEPttestimony

From: Kiana Betancourt <kianab123@gmail.com>
Sent: Tuesday, February 02, 2016 4:10 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Kiana Betancourt
67-242 goodale ave
wailua, HI 96791

EEPttestimony

From: Kimberly Dukes <dukesohana@gmail.com>
Sent: Tuesday, February 02, 2016 12:30 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Kimberly Dukes
Naalae road
Kula, HI 96790

EEPttestimony

From: Lani T. <cleanbratt808@hotmail.com>
Sent: Tuesday, February 02, 2016 3:23 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Lani T.
po box
Kailua-Kona, HI 96740

EEPttestimony

From: Laura Kahulamu <lkahulamu@hawaii.rr.com>
Sent: Tuesday, February 02, 2016 1:07 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Laura Kahulamu
78-227 Kahaluu Rd.
kailua kona, HI 96740

EEPttestimony

From: Laura Mo <momo.modus@gmail.com>
Sent: Tuesday, February 02, 2016 2:45 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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. Although the "Kaua'i Agricultural Good Neighbor Program" was established to allow companies to voluntarily disclose pesticide application, this program is an unreliable compromise to mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting.

Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Laura Mo
3627 Likini St
Honolulu, HI 96818

EEPttestimony

From: laurel brier <browerr001@hawaii.rr.com>
Sent: Tuesday, February 02, 2016 1:36 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

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laurel brier
5155 papaa rd
anahola, HI 96703

EEPttestimony

From: Lauri Whitmore <keawhitmore@gmail.com>
Sent: Tuesday, February 02, 2016 3:15 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Lauri Whitmore
375 W Kuiaha Rd
Haiku, HI 96708

TESTIMONY IN SUPPORT OF HB2574

Hawaii State House

Thursday, February 2, 2016

House Conference Room 325 at 8:00a

Submitted by Lynn B. Wilson, PhD

Chair Lee, Vice Chair Lowen & Members of the House Committee on Energy & Environmental Protection

Dear Representatives:

I am a cultural anthropologist who has invested over 20 years in supporting the health and well being of young children and their families in Hawaii by partnering with public and private agencies including the Hawaii State Department of Health, UH JABSOM Department of Pediatrics, American Academy of Pediatrics/Hawaii Chapter, community health centers, and early childhood organizations in the areas of health, early learning, family engagement and support. I have also co-founded small businesses with Sharon Taba, MEd, Webfish Pacific, LLC & Same Small Boat Productions, LLC, that have received federal, state, and foundation support to develop projects supporting young children and their families.

I am writing to urge you to support **HB2574: Relating to Environmental Protection** introduced by Representatives Lee, Cullen, Lopresti, and Thielen.

This proposed law aims to protect communities across the state by establishing reporting requirements when pesticides are applied near sensitive areas by large-scale, outdoors, commercial agricultural operations across the state.

Research clearly demonstrates that even low exposures to environmental toxins, such as pesticides (including fumigants, herbicides, pesticides, etc.), put healthy brain development in fetuses and young children at tremendous risk. Please see attached policy statements from the American Academy of Pediatrics¹ and the American Congress of Obstetricians and Gynecologists.²

In Hawai`i, it is particularly large chemical companies that are using increasing amounts of pesticides and increasingly using multiple pesticides, acute and chronic exposure can be due to pesticide drift, particulate dust, water we drink and the water we swim in, jeopardizing the health of pregnant women and young children as well as long-term health outcomes for Hawai`i residents and for the environment itself. In "test fields" producing primarily inefficient biofuel and feed for livestock factories, these companies conduct "experiments," but not just on their seeds and the various, multiple pesticides they use in seed development. These outdoor laboratories are also experimenting on the people and the islands of Hawai`i.

- **NEW EPIDEMICS IN CHILDREN:** James Perrin, MD, FAAP, the immediate Past President of the American Academy of Pediatrics, has researched what he calls “new epidemics” of ***chronic childhood diseases that have increased 400% in the past 50 years:*** ADHD, Autism, Asthma, Childhood Cancer, Obesity. Environmental toxins including pesticides have played a large role contributing to these epidemics.³
- **AUTISM:** UC Davis research on outcomes of young children whose mothers were exposed to synthetic pesticides during pregnancy experienced a ***two-thirds increased risk of having a child with autism spectrum disorder or other developmental delays.***^{4,5}
- **HORMONE DISRUPTION:** Research has demonstrated that that increased exposure to pesticides, even in low doses, ***disrupts hormones likely leading to increased risk in serious and costly health problems*** such as obesity, breast cancer, infertility, low sperm count in men, pre-term births.⁶
- **CANCER:** The incidence of adult cancer has skyrocketed. As of 2010, ***one out of two men and one out of three women will be diagnosed with some sort of cancer*** during their lifetime.⁷

Let’s look at what we know about pesticide use in Hawaii. The Hawaii State Department of Agriculture reports high use of restricted use pesticides (RUPs) across the state. In 2014 alone (the only year data is available), DOA reported amounts of RUPs shipped into Hawaii included over 900,000 pounds of biocides.⁸ Please note that glyphosate, used in RoundUp and identified by the United Nations scientists at IARC as a “probable carcinogen,” also is used widely in agrichemical test fields and was not included in this list because it has not been categorized as an RUP.

I agree with Rachel Carson who, over 50 years ago, affirmed that people living in the United States have a basic human right not to be poisoned by our neighbors.⁹ “Good Neighbor” reporting is not enough to protect Hawaii’s families and young children, not enough to protect Hawaii’s lands, animals, and waters—these reports lack specifics of when and where and in what combination pesticides are applied; they do not establish protective buffer zones and do not inform surrounding communities in a timely way.

Clearly, communities in Hawai`i deserve better. Therefore, it is critical to require timely and comprehensive use notifications. This bill aims to protect our environment and our residents by requiring public notification of pesticide outdoor application, notification to occupants and residents of sensitive areas, recordkeeping and annual public disclosure.

Thank you for this opportunity to ask for your support of **HB2574**. It's a critical time to pay attention to the "upstream" solutions that will play such a prominent role in positively influencing the health and well-being of Hawai'i's communities, families and young children as well as financial stability in our state for generations to come.

With Respect & Aloha,

Lynn B. Wilson, PhD
Registered voter in Waipahu, HI 96797

Mailing Address

Same Small Boat Productions, LLC, 1188 Bishop Street, Suite 1502, Honolulu, HI 96813

Tel 808-382-5286

¹ American Academy of Pediatrics, Policy Statement: Pesticide Exposure in Children, *Pediatrics*, 2012, www.pediatrics.org/cgi/doi/10.1542/peds.2012-2757

² The American College of Obstetricians and Gynecologists, Committee Opinion: Exposure to Toxic Environmental Agents, *Obstet Gynecol* 2013; 122:931-5.

³ James Perrin et al., The Increase of Childhood Chronic Conditions in the U.S., *JAMA*, 2007, 297(24): 2755-9

⁴ UC Davis MIND Institute News Release-
<http://www.ucdmc.ucdavis.edu/publish/news/newsroom/8978>

⁵ UC Davis MIND Institute Research on Perinatal Exposure to Pesticide Products-
<http://ehp.niehs.nih.gov/1307044/>

⁶ Report on Costs of Impact of Endocrine Disruption in Europe-
<http://news.nationalgeographic.com/news/2015/03/150305-chemicals-endocrine-disruptors-diabetes-toxic-environment-ngfood/>

⁷ Sandra Steingraber, *Living Downstream: An Ecologist's Personal Investigation of Cancer and the Environment* (Cambridge, MA: Da Capo Press), 2010.

⁸ Hawaii State Department of Agriculture Summary of Restricted Use Pesticides Sold in 2014-
<http://hdoa.hawaii.gov/pi/files/2015/04/SUMMARY-ALLSALES-2014.pdf>

⁹ Rachel Carson, *Silent Spring*. (NY: Houghton Mifflin), 1962.



POLICY STATEMENT

Pesticide Exposure in Children

COUNCIL ON ENVIRONMENTAL HEALTH

KEY WORDS

pesticides, toxicity, children, pest control, integrated pest management

ABBREVIATIONS

EPA—Environmental Protection Agency

IPM—integrated pest management

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abstract

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This statement presents the position of the American Academy of Pediatrics on pesticides. Pesticides are a collective term for chemicals intended to kill unwanted insects, plants, molds, and rodents. Children encounter pesticides daily and have unique susceptibilities to their potential toxicity. Acute poisoning risks are clear, and understanding of chronic health implications from both acute and chronic exposure are emerging. Epidemiologic evidence demonstrates associations between early life exposure to pesticides and pediatric cancers, decreased cognitive function, and behavioral problems. Related animal toxicology studies provide supportive biological plausibility for these findings. Recognizing and reducing problematic exposures will require attention to current inadequacies in medical training, public health tracking, and regulatory action on pesticides. Ongoing research describing toxicologic vulnerabilities and exposure factors across the life span are needed to inform regulatory needs and appropriate interventions. Policies that promote integrated pest management, comprehensive pesticide labeling, and marketing practices that incorporate child health considerations will enhance safe use. *Pediatrics* 2012;130:e1757–e1763

INTRODUCTION

Pesticides represent a large group of products designed to kill or harm living organisms from insects to rodents to unwanted plants or animals (eg, rodents), making them inherently toxic (Table 1). Beyond acute poisoning, the influences of low-level exposures on child health are of increasing concern. This policy statement presents the position of the American Academy of Pediatrics on exposure to these products. It was developed in conjunction with a technical report that provides a thorough review of topics presented here: steps that pediatricians should take to identify pesticide poisoning, evaluate patients for pesticide-related illness, provide appropriate treatment, and prevent unnecessary exposure and poisoning.¹ Recommendations for a regulatory agenda are provided as well, recognizing the role of federal agencies in ensuring the safety of children while balancing the positive attributes of pesticides. Repellents reviewed previously (eg, N,N-diethyl-meta-toluamide, commonly known as DEET; picaridin) are not discussed.²

SOURCES AND MECHANISMS OF EXPOSURE

Children encounter pesticides daily in air, food, dust, and soil and on surfaces through home and public lawn or garden application, household insecticide use, application to pets, and agricultural product

TABLE 1 Categories of Pesticides and Major Classes

Pesticide category	Major Classes	Examples
Insecticides	Organophosphates	Malathion, methyl parathion, acephate
	Carbamates	Aldicarb, carbaryl, methomyl, propoxur
	Pyrethroids/pyrethrins	Cypermethrin, fenvalerate, permethrin
	Organochlorines	Lindane
	Neonicotinoids	Imidacloprid
Herbicides	N-phenylpyrazoles	Fipronil
	Phosphonates	Glyphosate
	Chlorophenoxy herbicides	2,4-D, mecoprop
	Dipyridyl herbicides	Diquat, paraquat
Rodenticides	Nonselective	Sodium chlorate
	Anticoagulants	Warfarin, brodifacoum
	Convulsants	Strychnine
	Metabolic poison	Sodium fluoroacetate
Fungicides	Inorganic compounds	Aluminum phosphide
	Thiocarbamates	Metam-sodium
	Triazoles	Fluconazole, myclobutanil, triadimefon
Fumigants	Strobilurins	Pyraclostrobin, picoxystrobin
	Halogenated organic	Methyl bromide, Chloropicrin
	Organic	Carbon disulfide, Hydrogen cyanide, Naphthalene
Miscellaneous	Inorganic	Phosphine
	Arsenicals	Lead arsenate, chromated copper arsenate, arsenic trioxide
	Pyridine	4-aminopyridine

residues.^{3–9} For many children, diet may be the most influential source, as illustrated by an intervention study that placed children on an organic diet (produced without pesticide) and observed drastic and immediate decrease in urinary excretion of pesticide metabolites.¹⁰ In agricultural settings, pesticide spray drift is important for residences near treated crops or by take-home exposure on clothing and footwear of agricultural workers.^{9,11,12} Teen workers may have occupational exposures on the farm or in lawn care.^{13–15} Heavy use of pesticides may also occur in urban pest control.¹⁶

Most serious acute poisoning occurs after unintentional ingestion, although poisoning may also follow inhalational exposure (particularly from fumigants) or significant dermal exposure.¹⁷

ACUTE PESTICIDE TOXICITY

Clinical Signs and Symptoms

High-dose pesticide exposure may result in immediate, devastating, even lethal consequences. Table 2 summarizes features of clinical toxicity for

the major pesticides classes. It highlights the similarities of common classes of pesticides (eg, organophosphates, carbamates, and pyrethroids) and underscores the importance of discriminating among them because treatment modalities differ. Having an index of suspicion based on familiarity with toxic mechanisms and taking an environmental history provides the opportunity for discerning a pesticide's role in clinical decision-making.¹⁸ Pediatric care providers have a poor track record for recognition of acute pesticide poisoning.^{19–21} This reflects their self-reported lack of medical education and self-efficacy on the topic.^{22–26} More in-depth review of acute toxicity and management can be found in the accompanying technical report or recommended resources in Table 3.

The local or regional poison control center plays an important role as a resource for any suspected pesticide poisoning.

There is no current reliable way to determine the incidence of pesticide exposure and illness in US children. Existing data systems, such as the American Association of Poison Control Centers'

National Poison Data System or the National Institute for Occupational Safety and Health's Sentinel Event Notification System for Occupational Risks,^{27,28} capture limited information about acute poisoning and trends over time.

There is also no national systematic reporting on the use of pesticides by consumers or licensed professionals. The last national survey of consumer pesticide use in homes and gardens was in 1993 (Research Triangle Institute study).²⁹

Improved physician education, accessible and reliable biomarkers, and better diagnostic testing methods to readily identify suspected pesticide illness would significantly improve reporting and surveillance. Such tools would be equally important in improving clinical decision-making and reassuring families if pesticides can be eliminated from the differential diagnosis.

The Pesticide Label

The pesticide label contains information for understanding and preventing acute health consequences: the active ingredient; signal words identifying acute toxicity potential; US Environmental Protection Agency (EPA) registration number; directions for use, including protective equipment recommendations, storage, and disposal; and manufacturer's contact information.³⁰ Basic first aid advice is provided, and some labels contain a "note for physicians" with specific relevant medical information. The label does not specify the pesticide class or "other"/"inert" ingredients that may have significant toxicity and can account for up to 99% of the product.

Chronic toxicity information is not included, and labels are predominantly available in English. There is significant use of illegal pesticides (especially in immigrant communities), off-label use, and overuse, underscoring the importance of education, monitoring, and enforcement.³¹

TABLE 2 Common Pesticides: Signs, Symptoms, and Management Considerations^a

Class	Acute Signs and Symptoms	Clinical Considerations
Organophosphate and N-methyl carbamate insecticides	<ul style="list-style-type: none"> • Headache, nausea, vomiting, abdominal pain, and dizziness • Hypersecretion: sweating, salivation, lacrimation, rhinorrhea, diarrhea, and bronchorrhea • Muscle fasciculation and weakness, and respiratory symptoms (bronchospasm, cough, wheezing, and respiratory depression) • Bradycardia, although early on, tachycardia may be present • Miosis • Central nervous system: respiratory depression, lethargy, coma, and seizures 	<ul style="list-style-type: none"> • Obtain red blood cell and plasma cholinesterase levels • Atropine is primary antidote • Pralidoxime is also an antidote for organophosphate and acts as a cholinesterase reactivator • Because carbamates generally produce a reversible cholinesterase inhibition, pralidoxime is not indicated in these poisonings
Pyrethroid insecticides	<ul style="list-style-type: none"> • Similar findings found in organophosphates including the hypersecretion, muscle fasciculation, respiratory symptoms, and seizures • Headache, fatigue, vomiting, diarrhea, and irritability • Dermal: skin irritation and paresthesia 	<ul style="list-style-type: none"> • At times have been mistaken for acute organophosphate or carbamate poisoning • Symptomatic treatment • Treatment with high doses of atropine may yield significant adverse results • Vitamin E oil for dermal symptoms • Supportive care
Neonicotinoid insecticides	<ul style="list-style-type: none"> • Disorientation, severe agitation, drowsiness, dizziness, weakness, and in some situations, loss of consciousness • Vomiting, sore throat, abdominal pain • Ulcerations in upper gastrointestinal tract 	<ul style="list-style-type: none"> • Consider sedation for severe agitation • No available antidote • No available diagnostic test • Supportive care • No available antidote • No available diagnostic test
Fipronil (N-phenylpyrazole insecticides)	<ul style="list-style-type: none"> • Nausea and vomiting • Aphthous ulcers • Altered mental status and coma • Seizures 	<ul style="list-style-type: none"> • Control acute seizures with lorazepam
Lindane (organochlorine insecticide)	<ul style="list-style-type: none"> • Central nervous system: mental status changes and seizures • Paresthesia, tremor, ataxia and hyperreflexia 	<ul style="list-style-type: none"> • Lindane blood level available as send out • Supportive care • Pulmonary effects may be secondary to organic solvent
Glyphosate (phosphonate herbicides)	<ul style="list-style-type: none"> • Nausea and vomiting • Aspiration pneumonia type syndrome • Hypotension, altered mental status, and oliguria in severe cases • Pulmonary effects may in fact be secondary to organic solvent 	<ul style="list-style-type: none"> • Consider urine alkalinization with sodium bicarbonate in IV fluids
Chlorophenoxy herbicides	<ul style="list-style-type: none"> • Skin and mucous membrane irritation • Vomiting, diarrhea, headache, confusion • Metabolic acidosis is the hallmark • Renal failure, hyperkalemia, and hypocalcemia • Probable carcinogen 	<ul style="list-style-type: none"> • Consider PT (international normalized ratio)
Rodenticides (long-acting anticoagulants)	<ul style="list-style-type: none"> • Bleeding: gums, nose, and other mucous membrane sites • Bruising 	<ul style="list-style-type: none"> • Observation may be appropriate for some clinical scenarios in which it is not clear a child even ingested the agent • Vitamin K indicated for active bleeding (IV vitamin K) or for elevated PT (oral vitamin K)

IV, intravenous; PT, prothrombin time.

^a Expanded version of this table is available in the accompanying technical report.¹

CHRONIC EFFECTS

Dosing experiments in animals clearly demonstrate the acute and chronic toxicity potential of multiple pesticides. Many pesticide chemicals are classified by the US EPA as carcinogens. The

past decade has seen an expansion of the epidemiologic evidence base supporting adverse effects after acute and chronic pesticide exposure in children. This includes increasingly sophisticated studies addressing

combined exposures and genetic susceptibility.¹

Chronic toxicity end points identified in epidemiologic studies include adverse birth outcomes including preterm birth, low birth weight, and congenital

TABLE 3 Pesticide and Child Health Resources for the Pediatrician

Topic/Resource	Additional Information	Contact Information
Management of acute pesticide poisoning <i>Recognition and Management of Pesticide Poisonings</i>	Print: fifth (1999) is available in Spanish, English, 6th edition available 2013	http://www.epa.gov/pesticides/safety/healthcare/handbook/handbook.htm 1 (800) 222-1222
Regional Poison Control Centers	Cooperative agreement between Oregon State University and the US EPA. NPMMP provides informational assistance by E-mail in the assessment of human exposure to pesticides	npmmp@oregonstate.edu or by fax at (541) 737-9047
Chronic exposure information and specialty consultation The National Pesticide Medical Monitoring Program (NPMMP)	Coordinated by the Association of Occupational and Environmental Clinics to provide regional academically based free consultation for health care providers	www.aococ.org/PEHSU.htm ; toll-free telephone number (888) 347-AOEC (extension 2632)
Pediatric Environmental Health Specialty Units (PEHSUs)		www.epa.gov/oppfead1/Publications/Cit_Guide/citguide.pdf
Resources for safer approaches to pest control US EPA <i>Citizens Guide to Pest Control and Pesticide Safety</i>	Consumer information documents <ul style="list-style-type: none"> Household pest control Alternatives to chemical pesticides How to choose pesticides How to use, store, and dispose of them safely How to prevent pesticide poisoning How to choose a pest-control company Recommended safest approaches and examples of programs Information on IPM approaches for common home and garden pests	www.epa.gov/pesticides/controlling/index.htm www.ipm.ucdavis.edu
Controlling pests The University of California Integrative Pest Management Program		www.niehs.nih.gov/research/supported/centers/prevention
Other resources National research programs addressing children's health and pesticides	<ul style="list-style-type: none"> NIEHS/EPA Centers for Children's Environmental Health & Disease Prevention Research The National Children's Study Pesticide product labels	www.nationalchildrensstudy.gov/Pages/default.aspx www.epa.gov/pesticides/regulating/labels/product-labels.htm#projects
US EPA		http://toxtown.nlm.nih.gov/text_version/chemicals.php?id=23
The National Library of Medicine "Tox Town"	Section on pesticides that includes a comprehensive and well-organized list of web link resources on pesticides	

anomalies, pediatric cancers, neuro-behavioral and cognitive deficits, and asthma. These are reviewed in the accompanying technical report. The evidence base is most robust for associations to pediatric cancer and adverse neurodevelopment. Multiple case-control studies and evidence reviews support a role for insecticides in risk of brain tumors and acute lymphocytic leukemia. Prospective contemporary birth cohort studies in the United States link early-life exposure to organophosphate insecticides with reductions in IQ and abnormal behaviors associated with attention-deficit/hyperactivity disorder and autism. The need to better understand the health implications of ongoing pesticide use practices on child health has benefited from these observational epidemiologic data.³²

EXPOSURE PREVENTION APPROACHES

The concerning and expanding evidence base of chronic health consequences of pesticide exposure underscores the importance of efforts aimed at decreasing exposure.

Integrated pest management (IPM) is an established but undersupported approach to pest control designed to minimize and, in some cases, replace the use of pesticide chemicals while achieving acceptable control of pest populations.³³ IPM programs and knowledge have been implemented in agriculture and to address weeds and pest control in residential settings and schools, commercial structures, lawn and turf, and community gardens. Reliable resources are available from the US EPA and University of California—Davis (Table 3). Other local policy approaches in use are posting warning signs of pesticide use, restricting spray zone buffers at schools, or restricting specific types of pesticide products in schools. Pediatricians can

play a role in promotion of development of model programs and practices in the communities and schools of their patients.

RECOMMENDATIONS

Three overarching principles can be identified: (1) pesticide exposures are common and cause both acute and chronic effects; (2) pediatricians need to be knowledgeable in pesticide identification, counseling, and management; and (3) governmental actions to improve pesticide safety are needed. Whenever new public policy is developed or existing policy is revised, the wide range of consequences of pesticide use on children and their families should be considered. The American Academy of Pediatrics, through its chapters, committees, councils, sections, and staff, can provide information and support for public policy advocacy efforts. See <http://www.aap.org/advocacy.html> for additional information or contact chapter leadership.

Recommendations to Pediatricians

1. Acute exposures: become familiar with the clinical signs and symptoms of acute intoxication from the major types of pesticides. Be able to translate clinical knowledge about pesticide hazards into an appropriate exposure history for pesticide poisoning.
2. Chronic exposures: become familiar with the subclinical effects of chronic exposures and routes of exposures from the major types of pesticides.
3. Resource identification: know locally available resources for acute toxicity management and chronic low-dose exposure (see Table 3).
4. Pesticide labeling knowledge: Understand the usefulness and limitations of pesticide chemical information on pesticide product labels.
5. Counseling: Ask parents about pesticide use in or around the home to help determine the need for providing targeted anticipatory guidance. Recommend use of minimal-risk products, safe storage practices, and application of IPM (least toxic methods), whenever possible.

6. Advocacy: work with schools and governmental agencies to advocate for application of least toxic pesticides by using IPM principles. Promote community right-to-know procedures when pesticide spraying occurs in public areas.

Recommendations to Government

1. Marketing: ensure that pesticide products as marketed are not attractive to children.
2. Labeling: include chemical ingredient identity on the label and/or the manufacturer's Web site for all product constituents, including inert ingredients, carriers, and solvents. Include a label section specific to "Risks to children," which informs users whether there is evidence that the active or inert ingredients have any known chronic or developmental health concerns for children. Enforce labeling practices that ensure users have adequate information on product contents, acute and chronic toxicity potential, and emergency information. Consider printing or making available labels in Spanish in addition to English.
3. Exposure reduction: set goal to reduce exposure overall. Promote application methods and practices that minimize children's exposure, such as using bait stations and gels, advising against overuse of pediculicides. Promote education regarding proper storage of product.
4. Reporting: make pesticide-related suspected poisoning universally reportable and support a systematic central repository of such incidents to optimize national surveillance.
5. Exportation: aid in identification of least toxic alternatives to pesticide use internationally, and unless safer alternatives are not available or are impossible to implement, ban export of products that are banned or restricted for toxicity concerns in the United States.
6. Safety: continue to evaluate pesticide safety. Enforce community right-to-know procedures when pesticide spraying occurs in public areas. Develop, strengthen, and enforce standards of removal of concerning products for home or child product use. Require development of a human biomarker, such as a urinary or blood measure, that can be used to identify exposure and/or early health implications with new pesticide chemical registration or reregistration of existing products. Developmental toxicity, including endocrine disruption, should be a priority when evaluating new chemicals for licensing or reregistration of existing products.
7. Advance less toxic pesticide alternatives: increase economic incentives for growers who adopt IPM, including less toxic pesticides. Support research to expand and improve IPM in agriculture and nonagricultural pest control.
8. Research: support toxicologic and epidemiologic research to better identify and understand health risks associated with children's exposure to pesticides. Consider supporting another national study of pesticide use in the home and garden setting of US households as a targeted initiative or through cooperation with existing research opportunities (eg, National Children's Study, NHANES).
9. Health provider education and support: support educational efforts to increase the capacity of pediatric health care providers to diagnose and manage acute pesticide

poisoning and reduce pesticide exposure and potential chronic pesticide effects in children. Provide support to systems such as Poison Control Centers to provide timely, expert advice on exposures. Require the development of diagnostic tests to assist providers with diagnosing (and ruling out) pesticide poisoning.

LEAD AUTHORS

James R. Roberts, MD, MPH
Catherine J. Karr, MD, PhD

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ERRATA

Spooner. We Are Still Waiting for Fully Supportive Electronic Health Records in Pediatrics. *Pediatrics*. 2012;130(6):e1674–e1676.

An error occurred in this article by Spooner, titled “We Are Still Waiting for Fully Supportive Electronic Health Records in Pediatrics” published in the December 2012 issue of *Pediatrics* (2012;130[6]:e1674–e1676; originally published online November 19, 2012; doi:10.1542/peds.2012-2724). On page e1674, on line 33, this reads: “The alarming result from the survey was that only 3% of AAP Fellows reported that they had a system that provided all of the items listed by Leu and colleagues.” This should have read: “The alarming result from the survey was that only 9.6% of AAP Fellows reported that they had or planned to adopt within 12 months a system that provided all of the five “pediatric-supportive” items listed by Leu and colleagues.”

doi:10.1542/peds.2013-0134

Auger et al. Medical Home Quality and Readmission Risk for Children Hospitalized With Asthma Exacerbations. *Pediatrics*. 2013;131(1):64–70

An error occurred in this article by Auger et al, titled “Medical Home Quality and Readmission Risk for Children Hospitalized With Asthma Exacerbations” published in the January 2013 issue of *Pediatrics* (2013;131[1]:64–70; doi:10.1542/2012-1055). On page 69, in Table 2 under the heading Adjusted HR, on the line Medicaid, this reads: “0.28 (0.51–1.34).” This should have read: “0.82 (0.51–1.34).”

doi:10.1542/peds.2013-0187

Council on Environmental Health. Policy Statement: Pesticide Exposure in Children. *Pediatrics*. 2012;130(6):e1757–e1763

A couple of errors occurred in this AAP Policy Statement titled “Pesticide Exposure in Children” published in the December 2012 issue of *Pediatrics* (2012;130[6]:e1757–e1763; originally published online November 26, 2012; doi:10.1542/peds.2012-2757). In Table 2, in the second and third columns where glyphosate is discussed, the words “organic solvent” should be replaced with the word “surfactant.” On page e1758, in the first paragraph of the left-hand column, immediately beneath Table 1, the first full sentence should be amended to read: “For many children, diet may be the most influential source, as illustrated by an intervention study that placed children on an organic diet (produced without most conventional pesticides) and observed drastic and immediate decrease in urinary excretion of organophosphate pesticide metabolites.”

doi:10.1542/peds.2013-0576

Robert JR, Karr CJ; Council on Environmental Health. Technical Report: Pesticide Exposure in Children. *Pediatrics*. 2012;130(6):e1765–e1788

Several inaccuracies occurred in this AAP Technical Report titled “Pesticide Exposure in Children” published in the December 2012 issue of *Pediatrics* (2012;130[6]:e1765–e1788; originally published online November 26, 2012; doi:10.1542/peds.2012-2758). On page e1773 and in Tables 1 and 2 where the phosphonate herbicide glyphosate is discussed, changes should be noted. In the first paragraph of the first column on page e1773 about acute glyphosate poisoning, the word “intentional” should be substituted for the word “unintentional.” In this same paragraph as well as in Tables 1 and 2, the word “surfactant” should replace the words “hydrocarbon solvent” and “organic solvent, respectively.” The

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The American College of
Obstetricians and Gynecologists
WOMEN'S HEALTH CARE PHYSICIANS



COMMITTEE OPINION

Number 575 • October 2013

The American College of Obstetricians and Gynecologists Committee on Health Care for Underserved Women

American Society for Reproductive Medicine Practice Committee

The University of California, San Francisco Program on Reproductive Health and the Environment

This Committee Opinion was developed by the American College of Obstetricians and Gynecologists Committee on Health Care for Underserved Women and the American Society for Reproductive Medicine Practice Committee with the assistance of the University of California, San Francisco (UCSF) Program on Reproductive Health and the Environment. The Program on Reproductive Health and the Environment endorses this document. This document reflects emerging clinical and scientific advances as of the date issued and is subject to change. This information should not be construed as dictating an exclusive course of treatment or procedure to be followed.

Exposure to Toxic Environmental Agents

ABSTRACT: Reducing exposure to toxic environmental agents is a critical area of intervention for obstetricians, gynecologists, and other reproductive health care professionals. Patient exposure to toxic environmental chemicals and other stressors is ubiquitous, and preconception and prenatal exposure to toxic environmental agents can have a profound and lasting effect on reproductive health across the life course. Prenatal exposure to certain chemicals has been documented to increase the risk of cancer in childhood; adult male exposure to pesticides is linked to altered semen quality, sterility, and prostate cancer; and postnatal exposure to some pesticides can interfere with all developmental stages of reproductive function in adult females, including puberty, menstruation and ovulation, fertility and fecundity, and menopause. Many environmental factors harmful to reproductive health disproportionately affect vulnerable and underserved populations, which leaves some populations, including underserved women, more vulnerable to adverse reproductive health effects than other populations. The evidence that links exposure to toxic environmental agents and adverse reproductive and developmental health outcomes is sufficiently robust, and the American College of Obstetricians and Gynecologists and the American Society for Reproductive Medicine join leading scientists and other clinical practitioners in calling for timely action to identify and reduce exposure to toxic environmental agents while addressing the consequences of such exposure.

Reproductive Environmental Health

Robust scientific evidence has emerged over the past 15 years, demonstrating that preconception and prenatal exposure to toxic environmental agents can have a profound and lasting effect on reproductive health across the life course (1–3). Exposure to toxic environmental agents also is implicated in increases in adverse reproductive health outcomes that emerged since World War II; these changes have occurred at a rapid rate that cannot be explained by changes in genetics alone, which occur at a slower pace. For additional information, a detailed review is available at www.acog.org/goto/underserved.

Exposure to environmental chemicals and metals in air, water, soil, food, and consumer products is ubiquitous. An analysis of National Health and Nutrition

Examination Survey data from 2003–2004 found that virtually every pregnant woman in the United States is exposed to at least 43 different chemicals (4). Chemicals in pregnant women can cross the placenta, and in some cases, such as with methyl mercury, can accumulate in the fetus, resulting in higher fetal exposure than maternal exposure (5–7). Prenatal exposure to environmental chemicals is linked to various adverse health consequences, and patient exposure at any point in time can lead to harmful reproductive health outcomes. For example, prenatal exposure to certain pesticides has been documented to increase the risk of cancer in childhood; adult male exposure to pesticides is linked to altered semen quality, sterility, and prostate cancer; and postnatal exposure to some pesticides can

interfere with all developmental stages of reproductive function in adult females, including puberty, menstruation and ovulation, fertility and fecundity, and menopause (8). A group of chemicals called endocrine disrupting chemicals has been shown to interfere with the role of certain hormones, homeostasis, and developmental processes (9). They represent a heterogeneous group of agents used in pesticides, plastics, industrial chemicals, and fuels. One study shows that the endocrine disrupting chemical bisphenol-A works in a fashion that is comparable to diethylstilbestrol at the cell and developmental level (10). Likewise, research has clearly shown that many industrial chemicals can affect thyroid function (9, 11). Because of deficiencies in the current regulatory structure, unlike pharmaceuticals, most environmental chemicals have entered the marketplace without comprehensive and standardized information regarding their reproductive or other long-term toxic effects (12).

Vulnerable Populations and Environmental Disparities

Although exposure to toxic environmental agents is ubiquitous among all patient populations, many environmental factors harmful to reproductive health also disproportionately affect vulnerable and underserved populations and are subsumed in issues of environmental justice. In the United States, minority populations are more likely to live in the counties with the highest levels of outdoor air pollution (13) and to be exposed to a variety of indoor pollutants, including lead, allergens, and pesticides than white populations (14). In turn, the effects of exposure to environmental chemicals can be exacerbated by injustice, poverty, neighborhood quality, housing quality, psychosocial stress, and nutritional status (14, 15).

Women with occupational exposure to toxic chemicals also are highly vulnerable to adverse reproductive health outcomes (16). For example, levels of organophosphate pesticides and phthalates measured in occupationally exposed populations are far greater than levels measured in the general population (17, 18). Furthermore, low-wage immigrant populations disproportionately work in occupations associated with a hazardous workplace environment (19, 20).

As underscored by a groundbreaking 2009 report by the National Academy of Sciences, the effects of low-dose exposure to an environmental contaminant may be quite different based on vulnerabilities, such as the underlying health status of the population and the presence of additional or “background” environmental exposure (21). Recognition of environmental disparities is essential for developing and implementing successful and efficient strategies for prevention.

Prevention

The evidence that links exposure to toxic environmental agents and adverse reproductive and developmental health outcomes is sufficiently robust, and the American

College of Obstetricians and Gynecologists (the College) and the American Society for Reproductive Medicine (ASRM) join numerous other health professional organizations in calling for timely action to identify and reduce exposure to toxic environmental agents while addressing the consequences of such exposure (1, 22, 23). Reproductive care providers can be effective in preventing prenatal exposure to environmental threats to health because they are uniquely poised to intervene before and during pregnancy, which is a critical window of human development. An important outcome of pregnancy is no longer just a healthy newborn but a human biologically predisposed to be healthy from birth to old age (3, 24).

Providing Anticipatory Guidance

It is important for health care providers to become knowledgeable about toxic environmental agents that are endemic to their specific geographic areas. Intervention as early as possible during the preconception period is advised to alert patients regarding avoidance of toxic exposure and to ensure beneficial environmental exposure, eg, fresh fruit and vegetables, unprocessed food, outdoor activities, and a safe and nurturing physical and social environment. By the first prenatal care visit, exposure to toxic environmental agents and disruptions of organogenesis may have already occurred. Obtaining a patient history during a preconception visit and the first prenatal visit to identify specific types of exposure that may be harmful to a developing fetus is a key step and also should include queries of the maternal and paternal workplaces. A list of key chemical categories, sources of exposure, and clinical implications are provided in the online companion document to this Committee Opinion (www.acog.org/goto/underserved). Examples of an exposure history are available at http://prhe.ucsf.edu/prhe/clinical_resources.html. Once this exposure inventory has been completed, information should be given regarding the avoidance of exposure to toxic agents at home, in the community, and at work with possible referrals to occupational medicine programs or United States Pediatric Environmental Health Specialty Units if a serious exposure is found (25).

Reproductive care professionals do not need to be experts in environmental health science to provide useful information to patients and refer patients to appropriate specialists when a hazardous exposure is identified. Existing clinical experience and expertise in communicating risks of treatment are largely transferable to environmental health. Physician contact time with a patient does not need to be the primary point of intervention; information and resources about environmental hazards can be successfully incorporated into a childbirth class curriculum or provided in written materials to help parents make optimal choices for themselves and their children (26).

Reporting identified hazards is critical to prevention. For example, the reproductive toxicity of a common solvent used in many consumer products was first

described in a case report of a stillbirth (27). Physicians in the United States are required to report illnesses or injuries that may be work related, and reporting requirements vary by state. No authoritative national list of physician-reporting requirements by state exists. Resources for information about how to report occupational and environmental illnesses include local and state health agencies and the Association of Occupational and Environmental Clinics (<http://www.aoec.org/about.htm>). Illnesses include acute and chronic conditions, such as a skin disease (eg, contact dermatitis), respiratory disorder (eg, occupational asthma), or poisoning (eg, lead poisoning or pesticide intoxication) (28).

Patient-centered actions can reduce body burdens of toxic chemicals (ie, the total amount of chemicals present in the human body at any one time) (29–32). For example, research results document that when children’s diets change from conventional to organic, the levels of pesticides in their bodies decrease (29, 30). Likewise, study results document that avoiding canned food and other dietary sources of bisphenol A can reduce measured levels of the chemical in children and adult family members (31), and that short-term changes in dietary behavior may significantly decrease exposure to phthalates (32).

Clinicians should encourage women in the preconception period and women who are pregnant or lactating to eat fruit, vegetables, beans, legumes, and whole grains every day, to avoid fast food and other processed foods whenever possible, and to limit foods high in animal fat, while providing information about how certain types of food affect health and how individuals can make changes. Also, patients should be advised that some large fish, such as shark, swordfish, king mackerel, and tilefish, are known to contain high levels of methylmercury, which is known to be teratogenic. As such, women in the preconception period and women who are pregnant or lactating should avoid these fish. To gain the benefits of consuming fish, while avoiding the risks of methylmercury consumption, pregnant women should be encouraged to enjoy a variety of other types of fish, including up to 12 ounces a week (two average meals) of a variety of fish and shellfish that are low in mercury. Five of the most commonly eaten seafood items that are low in mercury are shrimp, canned light tuna, salmon, pollock, and catfish. White (albacore) tuna has more mercury than canned light tuna and should be limited to no more than 6 ounces per week. Pregnant women and breastfeeding women should also check local advisories regarding the safety of fish caught in local lakes, rivers, and coastal areas. If no advice is available, they should consume no more than 6 ounces per week (one average meal) of fish caught in local waters and no other fish during that week (33).

Primary Prevention: The Role of Reproductive Care Professionals Beyond the Clinical Setting

Ultimately, evidence-based recommendations for preventing harmful environmental exposure must involve

policy change (34). Action at the individual level can reduce exposure to some toxic chemicals (29, 31, 32) and informed consumer-purchasing patterns can send a signal to the marketplace to help drive societal change (35). However, individuals alone can do little about exposure to toxic environmental agents, such as from air and water pollution, and exposure perpetuated by poverty. The incorporation of the authoritative voice of health care professionals in policy arenas is critical to translating emerging scientific findings into prevention-oriented action on a large scale. Accordingly, many medical associations have taken steps in that direction (23).

For example, in 2009, the Endocrine Society called for improved public policy to identify and regulate endocrine disrupting chemicals and recommended that “until such time as conclusive scientific evidence exists to either prove or disprove harmful effects of substances, a precautionary approach should be taken in the formulation of EDC [endocrine disrupting chemical] policy” (36). Consistent with the clinical imperative to “do no harm,” the precautionary principle states, “When an activity raises threats of harm to human health or the environment, precautionary measures should be taken even if some cause and effect relationships are not fully established scientifically” (37).

The College and the ASRM join these associations and call on their members to advocate for policies to identify and reduce exposure to environmental toxic agents while addressing the consequences of such exposure. Advancing policies and practices in support of a healthy food system should be pursued as a primary prevention strategy to ensure the health of pregnancies, children, and future generations. The College and ASRM urge the U.S. Environmental Protection Agency and other federal and state agencies to take all necessary actions when reviewing substances to guarantee health and safety. In addition, the College and ASRM fully support rigorous scientific investigation into the causes and prevention of birth defects, including linkages between environmental hazards and adverse reproductive and developmental health outcomes. Timely and effective steps must be taken to ensure the safety of all mothers and infants from toxic environmental agents. Because data are lacking on the safety of most chemicals, careful consideration of the risks posed must be given while the potential immediate and long-term health and genetic risks are evaluated. A chemical should never be released if a concern exists regarding its effect on health.

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Exposure to toxic environmental agents. Committee Opinion No. 575. American College of Obstetricians and Gynecologists. *Obstet Gynecol* 2013;122:931–5.

EEPttestimony

From: Leann yamagata <Butterflykissesinhawaii@gmail.com>
Sent: Tuesday, February 02, 2016 7:50 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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. Although the "Kaua'i Agricultural Good Neighbor Program" was established to allow companies to voluntarily disclose pesticide application, this program is an unreliable compromise to mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting.

Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Leann yamagata
hokukano
kealakekua, HI 96750

EEPttestimony

From: LeighAnn Layton <leighannlayton@yahoo.com>
Sent: Tuesday, February 02, 2016 12:11 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

LeighAnn Layton
65-1235A Opelo Rd #5
Kamuela, HI 96743

EEPttestimony

From: Leslee Engler <Engler.leslee@gmail.com>
Sent: Tuesday, February 02, 2016 2:35 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Leslee Engler
Pula a La
Hilo, HI 96720

EEPttestimony

From: Leslie stenta <lesstenta@gmail.com>
Sent: Tuesday, February 02, 2016 12:29 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Leslie stenta
1645 ALA WAI BLVD APT 206
HONOLULU, HI 96815

EEPttestimony

From: Lillian Renfro <Acvplo@hotmail.com>
Sent: Tuesday, February 02, 2016 11:55 AM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574.

This bill is common sense, plain and simple. And the disclosure that would be required of these chemical giants is the absolute LEAST they can do to maintain the safety of the communities they have implanted themselves in. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Lillian Renfro
20 Spring St
Hilo, HI 96720

EEPttestimony

From: Linda Raquinio <sunlineshawaii@aol.com>
Sent: Tuesday, February 02, 2016 2:26 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Linda Raquinio
PO BOX 3151
Kailua-Kona, HI 96745

EEPttestimony

From: Lindsey Drayer <lindseydrayer@hotmail.com>
Sent: Tuesday, February 02, 2016 12:21 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Lindsey Drayer
557 Imi Drive
Wailuku, HI 96793

EEPttestimony

From: Lisa LeFevre <the.lefevres@gmail.com>
Sent: Tuesday, February 02, 2016 7:19 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Lisa LeFevre
15-1834 Akala
Keaau, HI 96749

EEPttestimony

From: Lisa Stephens <lisastephens2012@gmail.com>
Sent: Tuesday, February 02, 2016 12:07 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Lisa Stephens
47-765 Malumalu
Kaneohe, HI 96744

EEPttestimony

From: Lisa Worme <DayDreamr888@gmail.com>
Sent: Tuesday, February 02, 2016 1:52 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Lisa Worme
216 N Niagara Ave
Lindenhurst, NY 11757

EEPttestimony

From: Louis Diliberto <lou@maui.net>
Sent: Tuesday, February 02, 2016 4:46 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Louis Diliberto
574 Papau Hikina Place
Kihei, HI 96753

EEPttestimony

From: Louise Simrell <haleluana@hawaii.rr.com>
Sent: Tuesday, February 02, 2016 12:34 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Louise Simrell
PO Box 888
Waialua, HI 96791

EEPttestimony

From: Mike Mcneace <bigmacmike@hawaii.rr.com>
Sent: Tuesday, February 02, 2016 3:03 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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. Although the "Kaua'i Agricultural Good Neighbor Program" was established to allow companies to voluntarily disclose pesticide application, this program is an unreliable compromise to mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting.

Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Mike Mcneace
68-023 Au St C
Waialua, HI 96791

EEPttestimony

From: Merri Barrett <merrihi@aol.com>
Sent: Tuesday, February 02, 2016 5:03 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Merri Barrett
P.O.B.10523
Honolulu, HI 96816

EEPttestimony

From: lynn albrecht <lynnalbrecht@frontiernet.net>
Sent: Tuesday, February 02, 2016 12:25 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

lynn albrecht
chatfield drive
belle plaine, MN 56011

EEPttestimony

From: Malian Lahey <Malianlahey@gmail.com>
Sent: Tuesday, February 02, 2016 9:02 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Malian Lahey
PO Box 192
Pahala, HI 96777

EEPttestimony

From: Mara Lockwood <maralockwood@hawaii.rr.com>
Sent: Tuesday, February 02, 2016 5:00 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Mara Lockwood
2430 S. Kihei Rd
Kihei, HI 96753

Dear Committee:

I'm writing in strong support of HB2574, requiring disclosure of pesticide usage. Please protect our people and environment and pass this sensible bill. Hawai'i constituents have a right to know what chemical pesticides are being used on land near their homes, schools, and places of work. Please support HB2574.

Thank you for your time!

Sincerely,

Katharine Beutner
katharine.b@gmail.com

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 7:02 AM
To: EEPtestimony
Cc: sunnysavage@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Sunny Savage-Luskin	Individual	Support	No

Comments: The corporations in question are proven pathological liars and the community needs to be protected.

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EEPttestimony

From: Marcy Koltun-Crilley <marcyfrommaui@gmail.com>
Sent: Tuesday, February 02, 2016 12:51 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Marcy Koltun-Crilley
2962 Kauhale St
Kihei, HI 96753

EEPttestimony

From: Michael Morgan <michael.t.morgan@usa.net>
Sent: Tuesday, February 02, 2016 12:53 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. ~~This bill requires~~ **Michael Morga** that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Michael Morgan
3-3400 Kuhio Hwy Apt C211
Lihue, HI 96766

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 6:28 AM
To: EEPtestimony
Cc: reemelin@hawaii.edu
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Spencer Reemelin	Individual	Support	No

Comments: Aloha e to all! Please support this bill. I want to know what chemical companies are spraying on our lands. I know people who are getting sick on Kauai and no officials are able to tell them specifically what is being sprayed near their schools. Pesticide drift is real and our citizens well being should no be jeopardized. Live pono and please support this bill. Mahalo nui loa, Spencer

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 8:09 AM
To: EEPtestimony
Cc: dylanarm@hawaii.edu
Subject: *Submitted testimony for HB2574 on Feb 4, 2016 08:00AM*

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Dylan Armstrong	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 8:06 AM
To: EEPtestimony
Cc: carol@hartfeltkauai.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

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

Comments: I strongly support HB2574 to expand regulations for the pesticide companies to disclose what they are spraying. My husband and I live in Kekaha, surrounded by Syngenta, BASF and Pioneer, who spray almost every day several times a day. I personally know two women who have children with learning disabilities, and both children are the same age, living in close proximity in Kekaha. I know many others who are ill, and my husband and I both have persistent coughs. We are putting our dear home up for sale, because we can no longer safely live in this community. I paid for a glyphosate test for our tap and well water, as well as my own urine. The tap was undetectable, the well water was 0.1 ppb, and my urine contained 9.2 ppb! I have never used Roundup in my yard or anywhere else. Our communities in West Kaua'i need protection!!!!

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EEPttestimony

From: Margaret Russo <ret.russo@gmail.com>
Sent: Tuesday, February 02, 2016 7:00 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. My grand nephews go to school right next to Monsanto and Syngenta fields on Kaua'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Margaret Russo
P. O. Box 428
Volcano, HI 96785

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 1:13 PM
To: EEPtestimony
Cc: mauisunrise7@yahoo.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Elise Travis	Individual	Support	No

Comments: I feel this is of extreme importance to know when and what they are spraying. People are getting sick and to have spraying done near homes and schools is unconscionable. We have been inundated with chemical spraying in our State and it's time to now take control of this bad practice and protect it's children and citizens of Hawaii.

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EEPttestimony

From: Margaret Schecter <peggyflute@hawaii.rr.com>
Sent: Tuesday, February 02, 2016 12:37 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Margaret Schecter
1154 Pulehu Road
Kula, HI 96790

EEPttestimony

From: Zoe Alexander <mauizoe@gmail.com>
Sent: Tuesday, February 02, 2016 12:25 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Zoe Alexander
222 Peahi Road
Haiku, HI 96708

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 1:00 PM
To: EEPtestimony
Cc: psgegen@hotmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
pat gegen	Individual	Support	No

Comments: STRONGLY SUPPORT more transparency and the public's Right to Know what potential harmful chemicals are being sprayed near them.

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EEPttestimony

From: Yvonne Bickerton <Vonnyb@hawaii.rr.com>
Sent: Tuesday, February 02, 2016 1:50 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Yvonne Bickerton
P.o. box 1040
Waialua, HI 96791

EEPttestimony

From: Yuana Garvin <ygarvin@hawaii.rr.com>
Sent: Tuesday, February 02, 2016 12:46 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Yuana Garvin
142 apau pl
makawao, HI 96768

EEPtestimony

From: wynn timer joy hee <autumnrose2010@yahoo.com>
Sent: Tuesday, February 02, 2016 6:23 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. ~~This bill requires that~~ the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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wynn timer joy hee
95-1523 ainamakua dr #93
mililani, HI 96789

EEPttestimony

From: ynez fernandez <yn ez.fernandez@hawaiiintel.net>
Sent: Tuesday, February 02, 2016 1:36 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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yn ez fernandez
493 Pio Drive, 214
Wailuku, HI 96793

EEPttestimony

From: van warren <kawaiwarren@gmail.com>
Sent: Tuesday, February 02, 2016 9:59 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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van warren
7733 Iwipolena rd.
Kekaha, HI 96752

EEPttestimony

From: Wendy Ikeda <puzzledog@yahoo.com>
Sent: Tuesday, February 02, 2016 12:44 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Wendy Ikeda
1977 Naio Street
Honolulu, HI 96813

EEPttestimony

From: Vaughn Paul Manley <vaughnpaul108@gmail.com>
Sent: Tuesday, February 02, 2016 12:02 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Vaughn Paul Manley
PO Box 1703
Makawao, HI 96768

EEPttestimony

From: Ursula Heinz <heinz001@hawaii.rr.com>
Sent: Tuesday, February 02, 2016 9:30 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Ursula Heinz
47-119 Kam Highway
Kaneohe, HI 96744

EEPttestimony

From: Ulrike Steinke <starwind@maui.net>
Sent: Tuesday, February 02, 2016 8:00 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Ulrike Steinke
157 Hohani Place
Haiku, HI 96708

EEPttestimony

From: Wade Holmes <wadenokaioi@gmail.com>
Sent: Tuesday, February 02, 2016 12:27 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Wade Holmes
26 Luanaiki Place
Kihei, HI 96753

EEPttestimony

From: Yi Ki Tse <yikitse@gmail.com>
Sent: Tuesday, February 02, 2016 2:32 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Yi Ki Tse
1634B Lusitana Street
Honolulu, HI 96813

EEPttestimony

From: Tlaloc Tokuda <tlalocct@hotmail.com>
Sent: Tuesday, February 02, 2016 8:23 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Mahalo for considering my testimony in strong support of the measure. Please inform me of your vote on the matter.

Tlaloc Tokuda
73-4599 kukuki St
kailua kona, HI 96740

EEPttestimony

From: Vinayak Vinayak <vinayakeha@gmail.com>
Sent: Tuesday, February 02, 2016 7:28 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Vinayak Vinayak
235 Keonekai Rd
Kihei, HI 96753

EEPttestimony

From: tiare lawrence <tiarelawrence@yahoo.com>
Sent: Tuesday, February 02, 2016 12:55 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

tiare lawrence
28 Lino pl.
Makawao, HI 96768

I'm writing in strong support of HB2574. Numerous scientific studies, the WHO, and other accredited scientific and medical communities have reported on the strong likelihood that pesticides cause lethal disease in humans. In Hawaii, we have multinational corporations that spray untested mixtures of these dangerous chemicals near homes and schools. Currently, they do not have to be fully transparent as to what they are spraying, in what mixtures, and when. They are suing our counties for the right to spray these pesticides near homes and schools. We have not been given the opportunity to truly study, with full transparency, what these chemicals do to people. I believe, if our leaders keep ignoring this, we will have an environmental disaster on the scale of Flint, Michigan. Ask yourself, if you lived near these test fields, wouldn't you want to know the truth and protect your family? As leaders of the people, it is your job to protect our health first.

Katie McMillan
Pukalani, Maui, HI

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 12:18 PM
To: EEPtestimony
Cc: b.lassalle808@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

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

Comments: Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection, I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas. I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma. Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i. Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program . 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. Although the "Kaua'i Agricultural Good Neighbor Program" was established to allow companies to voluntarily disclose pesticide application, this program is an unreliable compromise to mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting. Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

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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We support bill HB2574 and urge the house to pass this bill. The families and children of our communities are unfairly exposed to undisclosed amounts of restricted use pesticides and herbicides on a daily basis. The EPA is considering banning the use of some of these, and yet the companies continue to spray large amounts in our communities with no regard for the health and safety of our people. There are numerous studies showing the negative effects of exposure to these chemicals, especially to children. These large corporations are able to do this because our state has no laws protecting it's people. It is long overdue that we have laws in place to protect our population.

Sincerely,
Robert and Marion McHenry
Princeville, Kauai

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 11:55 AM
To: EEPtestimony
Cc: zacharyhitchcock@yahoo.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Zachary Hitchcock	Individual	Support	No

Comments: Zachary Hitchcock, Chair, Surfrider Foundation Oahu Chapter 1533 Artesian Way Honolulu, HI 96822 808-222-6960 HB2574 February 4, 2016 room 325 Committee EEP Dear Comittee Members Lee, Cullen, LoPresti, and Thielen, It should be a basic civil right to have information that may effect our safety and/or health. As Americans, we have taken these simple rights for granted. Many of us think Government has mechanisms in place to inform and protect us. They do not. We must be informed and notified of potential dangers just like we have safety measures and notifications when there is a storm approaching or a Tsunami has occurred. Pesticides are dangerous. A combination of chemicals and pesticides is even more so. Please, in the name of Public Safety and the Environment, grant the public information about the use and potential dangers of the pesticides and chemicals used in our environment. I support HB2574 and pray you will pass this measure. Sincerely, Zachary Hitchcock Chair, Surfrider Oahu 808-222-6960

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 11:53 AM
To: EEPtestimony
Cc: jonasppcl@hotmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Jonas Troxell	Individual	Oppose	No

Comments: Monsanto occupies the area adjacent to my property in North Kihei on Maui. I urge you to please require all large scale pesticide use to be transparent for the public to view. If the treated area is unsafe for humans for a determined time,(according to manufacturer) after the application of unknown pesticides, the public should be informed of the pesticides used and planned pesticide application schedule. Thank you.

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

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

EEPttestimony

From: Tina Wildberger <Tina@kiheiice.com>
Sent: Tuesday, February 02, 2016 12:55 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Tina Wildberger
300 Ohukai Rd
kihei, HI 96753

EEPttestimony

From: Tammy Davis <Ancientspin@hotmail.com>
Sent: Tuesday, February 02, 2016 2:31 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Tammy Davis
Kuawa rd
Kilauea, HI 96754

EEPttestimony

From: Terry Huth <tl_huth@yahoo.com>
Sent: Tuesday, February 02, 2016 3:06 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Terry Huth
2104 Bristol Dr
Austin, HI 96753

EEPttestimony

From: Theresa Cordi <thrcordis@gmail.com>
Sent: Tuesday, February 02, 2016 6:55 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Theresa Cordi
108 Honuhula Place
Kihei, HI 96753

EEPttestimony

From: Susan Sanger <sanger@hawaii.rr.com>
Sent: Tuesday, February 02, 2016 1:47 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Susan Sanger
226 Kaiolohia Place
Honolulu, HI 96825

EEPttestimony

From: susan strom <susanstromnm@yahoo.com>
Sent: Tuesday, February 02, 2016 8:01 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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susan strom
kukui st.
kapaa, HI 96746

EEPttestimony

From: susie blau <susiemarie_@hotmail.com>
Sent: Tuesday, February 02, 2016 3:08 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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susie blau
rr2 box 4567
pahoa, HI 96778

EEPttestimony

From: Susan Orr <naturalgeek@yahoo.com>
Sent: Tuesday, February 02, 2016 7:39 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Susan Orr
120 Hui Rd F Apt B12
Lahaina, HI 96761

EEPttestimony

From: Sunny Savage-Luskin <sunnysavage@gmail.com>
Sent: Tuesday, February 02, 2016 11:53 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Sunny Savage-Luskin
747 Hamana Place
Haiku, HI 96708

lowen3

From: Astrid Watanabe <rustysfarm@hawaiiantel.net>
Sent: Wednesday, February 03, 2016 1:35 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Astrid Watanabe
2618 Pololei Pl
Haiku, HI 96708

EEPttestimony

From: tia Pearson <tia.pearson@gmail.com>
Sent: Tuesday, February 02, 2016 4:52 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

tia Pearson
po box 861697
wahjiawa, HI 96786

EEPttestimony

From: Steven Slater <steve@vcasa.net>
Sent: Tuesday, February 02, 2016 1:45 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Steven Slater
55 East Waipio
Haiku, HI 96708

EEPttestimony

From: Strat Goodhue <psalm7115@gmail.com>
Sent: Tuesday, February 02, 2016 1:38 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Strat Goodhue
12621 SE 41st Place
Kailu, HI 98006

EEPttestimony

From: Stephanie Seneff <seneff@csail.mit.edu>
Sent: Tuesday, February 02, 2016 3:17 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Stephanie Seneff
4043 Aloali'i Drive
Princeville, HI 96722

lowen3

From: Bernard Lassalle <graceoflife2002@yahoo.com>
Sent: Wednesday, February 03, 2016 12:18 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Bernard Lassalle
810 Haiku Road #331
Haiku, HI 96708

lowen3

From: Biz Gonik <Bizgness@gmail.com>
Sent: Wednesday, February 03, 2016 12:23 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Biz Gonik
PO Box 44336
Kamuela, HI 96743

EEPttestimony

From: Steven Kean <stevenwkean@gmail.com>
Sent: Tuesday, February 02, 2016 8:24 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Steven Kean
59-030 Huelo St
Haleiwa, HI 96712

EEPttestimony

From: Stephen Grillo <grillos@mac.com>
Sent: Tuesday, February 02, 2016 12:08 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Stephen Grillo
13-3468 Oneloa St
PAHOA, HI 96778

lowen3

From: Elise Travis <mauisunrise7@yahoo.com>
Sent: Wednesday, February 03, 2016 1:03 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Elise Travis
214 heleuma pl.
Kihei, HI 96753

EEPttestimony

From: Shirley Yamada <yamadas1@hotmail.com>
Sent: Tuesday, February 02, 2016 8:59 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Shirley Yamada
95-227 Waikalani Drive A307
Mililani, HI 96789

lowen3

From: Michelle Matson <msmatson@hawaii.rr.com>
Sent: Wednesday, February 03, 2016 1:22 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Michelle Matson
3931 Gail St.
Honolulu, HI 96815

EEPttestimony

From: Sheryl Palmer <kelpal2003@yahoo.com>
Sent: Tuesday, February 02, 2016 2:30 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Sheryl Palmer
P.O. Box 1255
Pahoa, HI 96778

EEPttestimony

From: Sherry Pollack <davidsher@juno.com>
Sent: Tuesday, February 02, 2016 8:22 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Sherry Pollack
47 185 Hui Akepa Place
Kaneohe, HI 96744

lowen3

From: Suellen Barton <Suellen@maui.net>
Sent: Wednesday, February 03, 2016 12:32 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Suellen Barton
P.O. Box 879
Makawao, HI 96758

lowen3

From: Wilmon Grant <wilmon11@comcast.net>
Sent: Wednesday, February 03, 2016 2:06 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Wilmon Grant
7223 N. Knowles Ave
Portland, OR 97217

lowen3

From: inge brodehl <preminge@hotmail.com>
Sent: Wednesday, February 03, 2016 1:08 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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inge brodehl
207 Holopuni Rd
Kula, HI 96790

lowen3

From: virginia bivaletz <ginnybiv@yahoo.com>
Sent: Wednesday, February 03, 2016 12:34 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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 use pesticides are at a risk of neurodevelopmental disabilities like autism and ADHD, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to August 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

virginia bivaletz
PO BOX 91
hawi, HI 96719

EEPttestimony

From: Stacy Soderholm <green91522@hotmail.com>
Sent: Tuesday, February 02, 2016 1:43 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Stacy Soderholm
321 Waipoli Road
Kula, HI 96790

lowen3

From: Susan Caswell, PHD <jsusie23@hawaii.rr.com>
Sent: Wednesday, February 03, 2016 1:05 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Susan Caswell, PHD
pob 347
paauilo, HI 96776

EEPttestimony

From: shari au <shariau333@gmail.com>
Sent: Tuesday, February 02, 2016 2:39 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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shari au
1702 Kewalo St
Honolulu, HI 96822

lowen3

From: Sherrie Moore <ssmoore72@gmail.com>
Sent: Wednesday, February 03, 2016 12:47 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Sherrie Moore
RR 3 Box 1302
Pahoa, HI 96778

EEPttestimony

From: Scottie Ewing <Scottieewing@hotmail.com>
Sent: Tuesday, February 02, 2016 5:43 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Scottie Ewing
58-038 Kamehameha Hwy Haleiwa HI 96712
Haleiwa, HI 96712

lowen3

From: Roxanne Ortiz <roxanne.c.ortiz@gmail.com>
Sent: Wednesday, February 03, 2016 1:21 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Roxanne Ortiz
255 Huali St. #104
Honolulu, HI 96813

lowen3

From: ron taylor <changeamerica@gmail.com>
Sent: Wednesday, February 03, 2016 12:30 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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ron taylor
po box 6162
hilo, HI 96720

EEPttestimony

From: Sara Tekula <spectekula@gmail.com>
Sent: Tuesday, February 02, 2016 11:58 AM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Sara Tekula
1135 Makawao Ave, PMB #182
Makawao, HI 96768

lowen3

From: Nicole Fechtig <Nicolefechtig@gmail.com>
Sent: Wednesday, February 03, 2016 1:05 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Nicole Fechtig
PO Box 81647
Haiku, HI 96708

EEPttestimony

From: Seri Niimi-Burch <Sniimiburch@gmail.com>
Sent: Tuesday, February 02, 2016 12:25 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Seri Niimi-Burch
PO Box 347430
Kamuela, HI 96743

EEPttestimony

From: Sandy Jansen <naupaka@juno.com>
Sent: Tuesday, February 02, 2016 9:31 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Sandy Jansen
66848 Niumalu Loop
Honolulu, HI 96825

lowen3

From: Beverly Lawler <blawler76@hotmail.com>
Sent: Wednesday, February 03, 2016 12:49 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Beverly Lawler
676 Kai Nan Place
Kula, HI 96790

EEPttestimony

From: Ruthie Bernaert <jimnruthie@hotmail.com>
Sent: Tuesday, February 02, 2016 12:23 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Ruthie Bernaert
46-4091 Old Mamalahoa Hwy
Honokaa, HI 96727

lowen3

From: Jay Duquette <Jaymanmolokai@live.com>
Sent: Wednesday, February 03, 2016 12:17 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Jay Duquette
8231 Kam V hwy
Kaunakakai, HI 96748

lowen3

From: Jan Bernard <janetbernard@msn.com>
Sent: Wednesday, February 03, 2016 2:13 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Jan Bernard
5014 Emmalani Dr
Princeville, HI 96722

lowen3

From: Evelin Wander <haleiwa.art.studio@gmail.com>
Sent: Wednesday, February 03, 2016 2:15 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Evelin Wander
Kaiea place
Waialua, HI 96791

EEPttestimony

From: Sandra Gray <mattie@hawaiiantel.net>
Sent: Tuesday, February 02, 2016 11:58 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Sandra Gray
PO Box 641
Kapaau, HI 96755

lowen3

From: Janee Dominique <magicfaerie7@yahoo.com>
Sent: Wednesday, February 03, 2016 1:11 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Janee Dominique
Po Box 1065
Kilauea, HI 96754

EEPttestimony

From: Sandra Fujita <yappygr1@aol.com>
Sent: Tuesday, February 02, 2016 5:07 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Sandra Fujita
45-318 Mokulele Dr
Kaneohe, HI 96744

EEPttestimony

From: Ruth Aloua <Ruthaloua@gmail.com>
Sent: Tuesday, February 02, 2016 10:00 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Ruth Aloua
74-5071 Kumakani St
Kailua-Kona, HI 96740

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

HB2574, Relating to Environmental Protection
House EEP Hearing – Thurs. Feb 4. 2016 – 8:00 am
Testimony by: Larry Jeffs
Position: Oppose w/Comments

Chair Lee, and Members of the House EEP Committee:

Concerns about pesticide application and safety of employees and surrounding neighbors are a common concern of farmers, families and policy makers. Recent discussions about the safety of pesticide applications as a means of reducing the risk of exposure have prompted our comments from a farm perspective. Sugarland Growers, Inc. is a family-run business of several farms located on Oahu and Molokai. We have been farming in Hawaii for more than 35 years, and come from generations of farmers since landing in America in 1642.

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.

Licensed pesticide applications are based on federal¹ and state² laws and approved labeling requirements which regulate how the pesticides are applied per crop acreage. **The larger the crop acreage, the larger the amount of pesticide application. 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 is less.**

We wonder how to prevent disclosure of our proprietary mix of conventional and organic pesticides, of which our farm yields are substantially higher yields of certain organic crops. Low-cost food for Hawaii's 1.3 million people comes from industrialized farming and not from 1 – 5 acre farm lots.

Pesticide labeling requirements provide complete instructions for the use of the product to control specific weeds, pests or plant diseases on various crops or other use sites. It spells out precautions, practices, and limitations necessary to protect the health of the user and environment from unreasonable adverse effects. The label information is closely regulated by EPA under FIFRA (Federal Insecticide, Fungicide and Rodenticide Act) and it is legally binding on the pesticide user. It is illegal to not follow label requirements for registered pesticides.

If the true intent is to reduce pesticide exposure and increase the safety of families and communities:

- **Then risk management of all applications should be discussed rather than targeting agriculture.** Both State and County government use herbicides to control weeds in parks and along the roadside. Only about one-third of Hawaii's pesticide registration is from agriculture applicators. Discussion of pesticide application restrictions should include the other uses of pesticides such as home-use, golf courses, landscapers, and structural fumigation. In fact, the local media-reported incidences of school evacuation due to pesticides are generally found to be from home user application.

We suggest that homeowners comply with some type of state mandated home-use educational compliance certificate, which would be simpler to obtain than agricultural pesticide license. This could be similar to what DLNR has done for the boating community in Hawaii. DLNR requires all boaters to take an online educational course and then carry the documentation stating course completion when operating their boats. Homeowners could be required to present something similar to any retail outlet on purchasing pesticides for use on residential property.

- **The solution must include danger/risk analysis based on scientific data specific to the respective location in Hawaii. Small farms are at the greatest risk for non-compliant pesticide applications and increased exposure risks. More education and outreach to first generation farmers from other countries is an important part of the solution.** Large-scale farmers are less at risk because they have strict pesticide protocols, licensed applicators and have commercial licenses to lose and are at financial risk for non-compliance.
- **The solution must include more and faster DOA approval of the new, modern day pesticides so that the older chemicals can be discontinued.** These new pesticides are adaptation of naturally occurring pesticides, are target specific to the pest, and are safe to humans.
- **Many of Hawaii's RUPs (Restricted Use Pesticides) are not labeled as such anywhere else in the nation.** Former Department of Agriculture administrations used RUPs as a management tool to control who was registering for pesticide use instead of outreach and field visits to farms for pesticide inspection due to staff shortages.
- **The solution must include increasing DOA inspector staffing and allow them the flexibility to conduct site visits in the evening, on weekends, holidays, as well as day time hours because farmers are working those hours.** Bad actors, those who are not in compliance, should be caught, face the consequences and opportunity for education of appropriate pesticide application. Adverse policies and laws should not restrict the majority of farmers who are in compliance.

Our family-run farms will continue to comply with State, County and Federal laws. Our family will survive adverse pesticide and buffer zone restrictions. However, it is the 1.3 million people in the State that will suffer from less local vegetables and fruit in the marketplace and will need to increase their reliance on imported produce from the mainland and elsewhere.

Thank you for the opportunity to submit testimony.

¹ Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) <http://www.epa.gov/opp00001/regulating/fifra.pdf>

² HRS Hawaii Pesticides Law, Chapter 149A and Administrative Rules AR-66
<http://hdoa.hawaii.gov/pi/pest/pesticides-rules-and-laws/>

EEPttestimony

From: ROSEMARY FUJIMOTO <rosemaryfujimoto@gmail.com>
Sent: Tuesday, February 02, 2016 4:47 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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ROSEMARY FUJIMOTO
45-090 Namoku St.
KaneohE, HI 96744

EEPttestimony

From: Ronni Pratt <pratt.ronni@yahoo.com>
Sent: Tuesday, February 02, 2016 1:47 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Ronni Pratt
45-735 Wainana St
Kaneohe,, HI 96744

EEPttestimony

From: sarah pea <sea.fire.enchantment@gmail.com>
Sent: Tuesday, February 02, 2016 1:19 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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sarah pea
1765 haiku rd
haiku, HI 96708

EEPttestimony

From: Robert Pollock <rosalime78@gmail.com>
Sent: Tuesday, February 02, 2016 6:01 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Robert Pollock
Box 1081, 50 Malia Uli Place
Kula, HI 96790

EEPttestimony

From: Robert Hunt <rhunt0926@yahoo.com>
Sent: Tuesday, February 02, 2016 5:36 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Robert Hunt
549a Akalei Pl.
Hilo, HI 92670

EEPttestimony

From: Rebekah Dickens <Rebekahdickens@gmail.com>
Sent: Tuesday, February 02, 2016 12:05 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Rebekah Dickens
374 Luakaha st
Hilo, HI 96720

EEPttestimony

From: Ricardo Ralha <ricardo.j.ralha@gmail.com>
Sent: Tuesday, February 02, 2016 11:59 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Ricardo Ralha
2747 S Kihei Rd
Kihei, HI 96753

EEPttestimony

From: Rob Biggerstaff <bucketgalaxy@hawaiiantel.net>
Sent: Tuesday, February 02, 2016 1:19 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Rob Biggerstaff
551048 Beers Rd
Hawi, HI 96755

lowen3

From: Carolyn Ornellas <carolynblake@mac.com>
Sent: Wednesday, February 03, 2016 2:29 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Carolyn Ornellas
PO Box 1089
Kapaa, HI 96746

EEPttestimony

From: Rene Siracusa <renesiracusa@hotmail.com>
Sent: Tuesday, February 02, 2016 11:55 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Rene Siracusa
POB1520
Pahoa, HI 96778

lowen3

From: Joseph Kohn MD <Joseph@WeAreOne.cc>
Sent: Wednesday, February 03, 2016 2:25 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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www.WeAreOne.cc

Joseph Kohn MD
1268 W Hiahia Place
Wailuku, HI 96793

EEPttestimony

From: Raphiell Nolin <Raphiell@gmail.com>
Sent: Tuesday, February 02, 2016 11:49 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Raphiell Nolin
PO Box 1216
Puunene, HI 96784

EEPttestimony

From: Randall Case <randcase@yahoo.com>
Sent: Tuesday, February 02, 2016 1:05 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Randall Case
3758 Alana Place
Koloa, HI 96756, HI 96756

EEPttestimony

From: Rachel Baker <lwalani.baker@gmail.com>
Sent: Tuesday, February 02, 2016 5:08 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Rachel Baker
1196 Akuila Pl.
Kailua, HI 96734

EEPttestimony

From: Mari Ono <maono56@gmail.com>
Sent: Tuesday, February 02, 2016 3:20 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Mari Ono
2450A Naai St.
Honolulu, HI 96819

EEPttestimony

From: Rahsheen Fatemi <rfatemi@Ucla.edu>
Sent: Tuesday, February 02, 2016 9:54 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Rahsheen Fatemi
5658 Ravenspur Drive Unit 208
Rancho Palos Verdes, CA 90275

EEPtestimony

From: maria isotov <misotov@maui.net>
Sent: Tuesday, February 02, 2016 11:57 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection, I am strongly against the spraying occurring on our road sides, i have been stuff in mid day traffic with a road side spray truck going 5 miles an hour in high winds just outside Ho'okipa on Hana Hwy, spraying with a garden hose spraying the pesticide into the wind, the same with while on my bicycle in Ulupalakua. It is insane that we allow this type of spraying. This practice should actually end, We are not a waste dump for toxic pesticides. At a minimum we should be noticed with street signage and noticed what chemicals are being used as well as what quantities are being used per sf.

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

maria isotov
65 Lihikai Place
haiku, HI 96753

EEPttestimony

From: Pomai Stone <pomaistone@gmail.com>
Sent: Tuesday, February 02, 2016 11:48 AM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Pomai Stone
142a Palapu St
Kailua, HI 96734

EEPttestimony

From: Maria Walker <maria.makaleha@gmail.com>
Sent: Tuesday, February 02, 2016 1:29 PM
To: EEPttestimony
Subject: Fwd: Supporting House Bill 2574

Apologies, my first letter had an incomplete address.

----- Forwarded message -----

From: **Maria Walker** <maria.makaleha@gmail.com>
Date: Tue, Feb 2, 2016 at 1:27 PM
Subject: Supporting House Bill 2574
To: EEPttestimony@capitol.hawaii.gov

Aloha to the Committe on Energy and Environmental Protection,

On behalf of myself and my family, we strongly urge you to support House Bill 2574. We are residents of Kaua'i, and have seen the effects of the heavy spraying that occurs on GE test fields. It is critically important to have greater transparency and disclosure for what is being sprayed, when, where, and in what concentrations so that we can start to understand if there are causal links between the spraying and the high rate of birth defects in those areas, as well as the many days lost for students, teachers, and field workers who are exposed to the spray drift and have to go to the hospital. Up to this point, the public and even local government has not been allowed by the large ag companies to know anything about pesticide application schedules.

Please support these basic notification and disclosure requirements that are in HB 2574. It is imperative to the health of our people and our aina; as members of the Environmental Protection Committee, you have a great responsibility to protect the residents, land, and water of Hawaii, and not to protect businesses at our expense. Please vote with your eye to the future of Hawaii and your great grandchildren.

Mahalo nui loa,
The Walker/Trujillo family
PO Box 33
Kapaa, HI 96746

EEPttestimony

From: Polli Oliver <pollioliver@hotmail.com>
Sent: Tuesday, February 02, 2016 5:30 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Polli Oliver
5174 Hoona Road
Koloa, FL 96756

EEPttestimony

From: Pete Wilson <perhansahi@gmail.com>
Sent: Tuesday, February 02, 2016 11:50 AM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Pete Wilson
13-927 Kahukai Street
Pahoa, HI 96778

EEPttestimony

From: pedro armington <surfingpedro@yahoo.com>
Sent: Tuesday, February 02, 2016 7:52 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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pedro armington
p o box 1019
koloa, HI 96756

EEPttestimony

From: Maris Fukuya <marisgf@yahoo.com>
Sent: Tuesday, February 02, 2016 2:45 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Maris Fukuya
1820 Waiola Street
Honolulu, HI 96826

EEPttestimony

From: maRtin ravitzky <marty-rav@msn.com>
Sent: Tuesday, February 02, 2016 1:42 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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maRtin ravitzky
200 h9na ave 2E
kahului, HI 96732

EEPttestimony

From: peggi linder <pmwood11@gmail.com>
Sent: Tuesday, February 02, 2016 12:17 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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peggi linder
1907 newcastle ct
fort collins, CO 80526

EEPttestimony

From: Pauline Elkins <pauline808@gmail.com>
Sent: Tuesday, February 02, 2016 3:45 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Pauline Elkins
4426 Maha Rd Apt #2
Koloa, HI 96756

EEPttestimony

From: Mary Jo LoBianco <mjloby@maui.net>
Sent: Tuesday, February 02, 2016 12:19 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Mary Jo LoBianco
Ponana St
Kihei, HI 96753

EEPttestimony

From: Paula Cole <writetopaula@yahoo.com>
Sent: Tuesday, February 02, 2016 5:25 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Paula Cole
Ke nui road
Haleiwa, HI 96712

EEPttestimony

From: Mary True <streamgirll@yahoo.com>
Sent: Tuesday, February 02, 2016 12:33 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Mary True
PO BOX 1020
Pepeekeo, HI 96783

EEPttestimony

From: Paula Cohen <Alohaphap@aol.com>
Sent: Tuesday, February 02, 2016 12:17 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Paula Cohen
3854 Ahonui Pl.
Princeville, HI 96722

EEPttestimony

From: Maureen Datta <mokdatta@gmail.com>
Sent: Tuesday, February 02, 2016 4:04 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Maureen Datta
Po box 608
Captain cook, HI 96704

EEPttestimony

From: PATRICIA LaPorte <patricia.vance@gmail.com>
Sent: Tuesday, February 02, 2016 12:56 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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PATRICIA LaPorte
Patricia LaPorte
Kailua, HI 96734

EEPttestimony

From: maxine kahaulelio <mmkahaulelio@yahoo.com>
Sent: Tuesday, February 02, 2016 8:39 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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maxine kahaulelio
p.o.bx. 6185
kamuela, HI 96743

EEPttestimony

From: Patricia Osborne <pattio57@mac.com>
Sent: Tuesday, February 02, 2016 2:14 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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. Although the "Kaua'i Agricultural Good Neighbor Program" was established to allow companies to voluntarily disclose pesticide application, this program is an unreliable compromise to mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting.

Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Patricia Osborne
148 Luakaha Circle
Kihei, HI 96753

EEPttestimony

From: Megan Blazak <Mblazak@gmail.com>
Sent: Tuesday, February 02, 2016 10:04 AM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Megan Blazak
485 Waiuanue Ave #147K
Hilo, HI 96720

EEPttestimony

From: Patricia Blair <Patriciablair@msn.com>
Sent: Tuesday, February 02, 2016 4:03 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Patricia Blair
25 Aulike St
Kailua, HI 96734

EEPttestimony

From: Meli King <mauimeli@yahoo.com>
Sent: Tuesday, February 02, 2016 9:48 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Meli King
PO box 1181
Kihei, HI 96753

EEPttestimony

From: Nina Pullella <Nina@ninacucinahawaii.com>
Sent: Tuesday, February 02, 2016 3:35 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Nina Pullella
41-044 Aloiloi St.
Waimanalo, HI 96795

EEPttestimony

From: Noelani Paresa <paresagirl@yahoo.com>
Sent: Tuesday, February 02, 2016 2:17 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Noelani Paresa
396 kahoolawe st
Kahului, HI 96732

EEPttestimony

From: Michael Kramer <mkramer@hawaii.rr.com>
Sent: Tuesday, February 02, 2016 2:57 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing in support of HB 2574, as pesticide disclosure and public notification for pesticides applied around schools, community facilities, and other environmentally-sensitive areas can help protect public health. Voluntary disclosure is insufficient, it must be required by law.

Mahalo for your consideration.

Michael Kramer
78-7259 Puuloa Road, Kailua-Kona
Keauhou, HI 96739

EEPttestimony

From: Nina Alena Beatty <ninaalena@hotmail.com>
Sent: Tuesday, February 02, 2016 5:01 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Nina Alena Beatty
59-012 Holawa Pl.
Haleiwa, HI 96712

EEPttestimony

From: Nicole Carey <nicolehana629@yahoo.com>
Sent: Tuesday, February 02, 2016 12:56 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Nicole Carey
67-341 Kaliuna st.
Waialua, HI 96791

EEPttestimony

From: Natalie norberg <Natalie@nataliebrownphotography.com>
Sent: Tuesday, February 02, 2016 1:46 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Natalie norberg
45 Laenui pl
paia, HI 96779

EEPttestimony

From: Nancy Davlantes <ndavlantes@aol.com>
Sent: Tuesday, February 02, 2016 9:49 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Nancy Davlantes
45-
Kaneohe, HI 96744

EEPttestimony

From: Michael Rice <generalikaika@hotmail.com>
Sent: Tuesday, February 02, 2016 1:16 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Michael Rice
84-136 Water St.
Waianae, HI 96792

EEPttestimony

From: Nancy Roemer <nrlromer@aol.com>
Sent: Tuesday, February 02, 2016 12:08 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Nancy Roemer
92-7038 Kahea St
Kapolei, HI 96707

EEPttestimony

From: michael roy <omagicboy@yahoo.com>
Sent: Tuesday, February 02, 2016 11:28 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

michael roy
po box 775
pahoa, HI 96778

EEPttestimony

From: Nai`a NEWLIGHT <naia96708@yahoo.com>
Sent: Tuesday, February 02, 2016 8:42 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Nai`a NEWLIGHT
2040A Kauhikoa Rd.
Haiku, HI 96708

EEPttestimony

From: Morningstar Peake <morningstaronmaui@yahoo.com>
Sent: Tuesday, February 02, 2016 12:19 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Morningstar Peake
111 Ponana
Kihei, HI 96753

EEPttestimony

From: Michele Nihipali <nihipalim001@hawaii.rr.com>
Sent: Tuesday, February 02, 2016 12:32 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Michele Nihipali
54-074 Kamehameha Hwy. # A
Hauula, HI 96717

EEPttestimony

From: Mike Sparling <mb-sparling@hawaii.rr.com>
Sent: Tuesday, February 02, 2016 3:19 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Mike Sparling
106 east Makaukau loop
Wailuku, HI 96793

EEPttestimony

From: Misha Kassel <Mkassel137@yahoo.com>
Sent: Tuesday, February 02, 2016 8:32 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Misha Kassel
2428 Sonoma st
Honolulu, HI 96822

EEPttestimony

From: Mindy Morizumi <mkmoriz@aol.com>
Sent: Tuesday, February 02, 2016 11:57 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Mindy Morizumi
1625 Aa Street
Lahaina, HI 96761

EEPttestimony

From: Peggy Jubert <yggepop@ma.com>
Sent: Tuesday, February 02, 2016 1:00 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Peggy Jubert
Alenui
Paia, HI 96779

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 2:44 PM
To: EEPtestimony
Cc: tammylynn.ross@yahoo.com
Subject: *Submitted testimony for HB2574 on Feb 4, 2016 08:00AM*

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Tammy Lynn Ross	Individual	Support	Yes

Comments:

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

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

lowen3

From: Deanna Summers <summershealing@yahoo.com>
Sent: Wednesday, February 03, 2016 2:50 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Deanna Summers
6 Mapu place
Kihei, HI 96753

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 2:41 PM
To: EEPtestimony
Cc: tampaltin@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Tamara Paltin	Individual	Support	No

Comments: Aloha and Mahalo for reading my testimony, we need this bill to pass as it is. There is obviously great concern in the rural counties about what is being done by big agriculture as we have seen the Counties of Hawaii, Kauai and Maui pass anti-GMO bills, however the underlying worry is the restricted use pesticides being used and sprayed in mass quantities without regard for those in the area downwind or downstream. Several homes in Paia have teased positive for high levels of RUPs. We are not asking that companies stop, we just want knowledge with which to protect ourselves and our families and if the data of when these pesticides are being sprayed correlates to adverse affects of those in the area then Mahalo ke akua we have a good idea as to the reason why and more studies should be done. The notification process does not need to be complex, a mass text or email, an add in the paper a Facebook post just something so people know.

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

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

lowen3

From: Michael Essner <fusionhawaii@gmail.com>
Sent: Wednesday, February 03, 2016 2:49 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Michael Essner
20 kumula'au ohia Ip
Wailuku, HI 96793

EEPttestimony

From: Trinette Furtado <Peles808Grrl@gmail.com>
Sent: Tuesday, February 02, 2016 10:57 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM



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Trinette Furtado
342 Kulike Rd
Haiku, HI 96708

EEPttestimony

From: Shay Chan Hodges <shay.chanhodges@gmail.com>
Sent: Tuesday, February 02, 2016 10:50 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM



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Shay Chan Hodges
37 Puu Koa Place
Haiku, HI 96708

EEPttestimony

From: Ellen Levine <tao__el@hotmail.com>
Sent: Tuesday, February 02, 2016 10:17 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

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Ellen Levine
RR 2 Box 3332
Pahoa, HI 96778

EEPttestimony

From: Philip Fernandez <pkfe@msn.com>
Sent: Tuesday, February 02, 2016 11:42 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at



Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Philip Fernandez
73-4346 Kalia Pl
Kailua-Kona, HI 96740

EEPttestimony

From: Mar and Tanya Donohoo <tanyadonohoo@gmail.com>
Sent: Tuesday, February 02, 2016 11:54 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

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Mar and Tanya Donohoo
16-540 Keaau-Pahoa rd
Keaau, HI 96749

EEPttestimony

From: Jessica Friedberg <jessica3travel@yahoo.com>
Sent: Tuesday, February 02, 2016 11:29 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Jessica Friedberg
15249 Haleakala Hwy
Kula, HI 96790

EEPttestimony

From: JEREMY POSTER <JEREMYRPOSTER@GMAIL.COM>
Sent: Tuesday, February 02, 2016 10:14 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

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JEREMY POSTER
KAAMOLOA
WAIALUA, HI 96791

EEPttestimony

From: Heidi Erhardt <Heidielana@yahoo.com>
Sent: Tuesday, February 02, 2016 10:58 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 a

LATE

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Heidi Erhardt
Loomis road
Haiku, HI 96779

EEPttestimony

From: Eric Caldeira <ecsails@aol.com>
Sent: Tuesday, February 02, 2016 11:04 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

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Eric Caldeira
POB 2245
Pahoa, HI 96778

EEPttestimony

From: Karly Burch <tabemonokansai@gmail.com>
Sent: Tuesday, February 02, 2016 10:12 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Follow Up Flag: Follow up
Flag Status: Flagged



Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Karly Burch
Alalani
Makawao, HI 96768

EEPttestimony

From: riordan pringle <roorypringle@gmail.com>
Sent: Wednesday, February 03, 2016 11:49 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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riordan pringle
59001 holawa st
haleiwa, HI 96712

EEPttestimony

From: David Bangert <Dbangert@hawaii.edu>
Sent: Tuesday, February 02, 2016 11:56 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM



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David Bangert
POBox758
Hauula, HI 96717

EEPttestimony

From: Chelsea Hayashi <chelseahayashi89@gmail.com>
Sent: Tuesday, February 02, 2016 11:40 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

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Chelsea Hayashi
16-111 Kaiewe Pl.
Keaau, HI 96749

EEPttestimony

From: Alex Oshiro <djrx.cares@hawaii.rr.com>
Sent: Tuesday, February 02, 2016 10:28 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

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Alex Oshiro
1920 Kahakai Dr.
Honolulu, HI 96822

EEPttestimony

From: Amanda Kelly <behaviorbabe@yahoo.com>
Sent: Tuesday, February 02, 2016 10:43 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM



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#Malamaourkeiki

Amanda Kelly
61-280 Kamehameha Highway
Haleiwa, HI 96712

EEPttestimony

From: Tracy Harris <T.harris926@gmail.com>
Sent: Wednesday, February 03, 2016 12:13 AM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

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Tracy Harris
58-158 Wehiwa Place
Haleiwa, HI 96712

EEPttestimony

From: Simone Aeschbacher <simone.aeschbacher@gmx.ch>
Sent: Wednesday, February 03, 2016 3:34 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

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Simone Aeschbacher
Rainweg 2
Kallnach, ot 3282

EEPttestimony

From: scott richardson <ohmyheck31@yahoo.com>
Sent: Wednesday, February 03, 2016 5:51 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

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scott richardson
243 Liliuokalani Avenue
Honolulu, HI 96815

LATE

From: scott laaback <slaaback@hotmail.co
Sent: Wednesday, February 03, 2016 5:59
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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scott laaback
12-6860 Kalapana-Kapoho Rd.
Pahoa, HI 96778

EEPttestimony

From: Robin Temple <rtemple@hotmail.com>
Sent: Wednesday, February 03, 2016 1:43 AM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Robin Temple
HC1 Box 5269
Keaau, HI 96749



From: Ramon Domingo <completedharma@gmail.com>
Sent: Wednesday, February 03, 2016 1:38 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Ramon Domingo
1315 Keao st
Lahaina, HI 96761

EEPttestimony

From: PAULINE MENA <Polina3733@aol.com>
Sent: Wednesday, February 03, 2016 5:16 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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PAULINE MENA
896 Paniolo Place
Makawao, HI 96768

EEPttestimony

From: Melissa Sklar <silverair@sbcglobal.net>
Sent: Wednesday, February 03, 2016 6:11 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Melissa Sklar
3327 Mc Comb Street
Ann Arbor, MI 48108

EEPttestimony

From: Lisa McDaniel <lisamcdaniel@sbcglobal.net>
Sent: Wednesday, February 03, 2016 12:13 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

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Lisa McDaniel
68-315 Mahina'ai St
Waialua, HI 96791

EEPttestimony

From: A. Lindsay Groves <linzgrov@gmail.com>
Sent: Wednesday, February 03, 2016 3:15 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2

LATE

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A. Lindsay Groves
1445 Mokulua Dr
Kailua, HI 96734

EEPttestimony

From: Ananda Stone <splashvideo@yahoo.com>
Sent: Wednesday, February 03, 2016 6:09 AM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM



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Ananda Stone
1595 Kuuipo St.
Lahaina, HI 96761

EEPttestimony

From: Darby slick <fretlessone@live.com>
Sent: Wednesday, February 03, 2016 5:55 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on



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Darby slick
13-1217 Kahukai
Pahoa, HI 96778

EEPttestimony

From: Donna Barata <yourspaciousness@gmail.com>
Sent: Wednesday, February 03, 2016 2:09 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8



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Donna Barata
4443 Opana Place
Haiku, HI 96708

From: james Trujillo <jtrujill@hawaii.edu>
Sent: Wednesday, February 03, 2016 12:23
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

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james Trujillo
po box 33
Kapaa, HI 96746

EEPttestimony

From: Yuri Zhuraw <Happyzghost@yahoo.com>
Sent: Wednesday, February 03, 2016 6:55 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Yuri Zhuraw
Po box 1951
Honokaa, HI 96727

EEPttestimony

From: Scott Hamilton <malamakai2@gmail.com>
Sent: Wednesday, February 03, 2016 6:57 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at



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Scott Hamilton
5112 Lokene Rd., I
Kapa'a, HI 96746

EEPttestimony

From: Pablo Beimler <pbeimler@gmail.com>
Sent: Wednesday, February 03, 2016 7:30 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2



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Pablo Beimler
PO Box 437340
Kamuela, HI 96743

From: Noreen Dougherty <montessorihale@gmail.com>
Sent: Wednesday, February 03, 2016 7:16 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM



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Noreen Dougherty
4664 Apopo Rd
Kapaa, HI 96746

EEPttestimony

From: Kirsten Peet <kpeetk@gmail.com>
Sent: Wednesday, February 03, 2016 7:05 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4



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Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Kirsten Peet
P.O. Box 1249
Haiku, HI 96708

EEPttestimony

From: Keith Krueger <dcavebear@gmail.com>
Sent: Wednesday, February 03, 2016 6:15 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM



Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Keith Krueger
POBox 61038
Honolulu, HI 96839

EEPttestimony

From: Jill Simon <sillyjilly@hawaii.rr.com>
Sent: Wednesday, February 03, 2016 7:00 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP or

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Jill Simon
77-112 Nahale Pl.
Kailua Kona, HI 96740

EEPttestimony

From: John Gallagher <gallaghej002@hawaii.rr.com>
Sent: Wednesday, February 03, 2016 7:01 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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John Gallagher
91-893 Nohoihoewa Pl
Ewa Beach, HI 96706

From: David Duke <davidd@kppcs.org>
Sent: Wednesday, February 03, 2016 7:00 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

David Duke
PO Box 989
Captain Cook, HI 96704

LATE

From: Dawn Malu <Verndawn@msn.com>
Sent: Wednesday, February 03, 2016 6:24 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Dawn Malu
302 Humupea pl
Kihei, HI 96753

EEPttestimony

From: Claire Mangano <clairemangano1@gmail.com>
Sent: Wednesday, February 03, 2016 6:42 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4



Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Claire Mangano
16-566 Keaau Pahoa rd
keaau, HI 96749

EEPttestimony

From: Amber Jade <amberjadecummings@gmail.com>
Sent: Wednesday, February 03, 2016 6:33 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4

LATE

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Amber Jade
54-567 Hawi Rd
HAwi, HI 96719

EEPttestimony

From: linda SANSONE <linda@dhhre.com>
Sent: Wednesday, February 03, 2016 8:07 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4

LATE

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linda SANSONE
2987 Kalakaua Ave 606
Honolulu, HI 96815

EEPttestimony

From: Don Erway <der1way@earthlink.net>
Sent: Wednesday, February 03, 2016 7:48 AM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 a

LATE

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Don Erway
77-6455 Princess Keelikolani Dr.
Kailua Kona, HI 96740

EEPttestimony

From: Thomas Davey <doubleohdreadlocks@yahoo.com>
Sent: Wednesday, February 03, 2016 7:43 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM



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Thomas Davey
4915 Hauaala Rd
Kapaa, HI 96746

EEPttestimony

From: Tara Grace <taragrace808@gmail.com>
Sent: Wednesday, February 03, 2016 8:07 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

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Tara Grace
P.O.Box 80090
Haiku, HI 96708

EEPttestimony

From: tanya naehu <alohahaloa@gmail.com>
Sent: Wednesday, February 03, 2016 8:11 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM



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tanya naehu
99205 Kamehameha V Hwy
Kaunakakai, HI 96748

From: susan strom <susanstromnm@yahoo.com>
Sent: Wednesday, February 03, 2016 9:01 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

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susan strom
kukui
kapaa, HI 96746

EEPttestimony

From: Steve Paselk <stevepaselk@gmail.com>
Sent: Wednesday, February 03, 2016 8:11 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on

LATE

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Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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. Although the "Kaua'i Agricultural Good Neighbor Program" was established to allow companies to voluntarily disclose pesticide application, this program is an unreliable compromise to mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting.

Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Steve Paselk
19 Luna Pl
Paia, HI 96779

EEPttestimony

From: Nancy Trippel <haikunancy@hawaii.rr.com>
Sent: Wednesday, February 03, 2016 8:06 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Nancy Trippel
Waipalani rd
Haiku, HI 96708

EEPtestimony

From: Malia Busby <maliabusby@gmail.com>
Sent: Wednesday, February 03, 2016 7:57 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM



Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Malia Busby
2334 Kalae HWY
Kualapuu, HI 96757

EEPttestimony

From: Aimee Lipat <aimeelipat@Yahoo.com>
Sent: Wednesday, February 03, 2016 7:40 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8



Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Aimee Lipat
44-108 Ikealani Dr
Kaneohe, HI 96744

EEPttestimony

From: Kanoelani Davis <Molokainuiahina@gmail.com>
Sent: Wednesday, February 03, 2016 8:35 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at



Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Kanoelani Davis
Po box 482278
Kaunakakai, HI 96748

EEPttestimony

From: Barbara Kline <bank@maui.net>
Sent: Wednesday, February 03, 2016 9:00 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Barbara Kline
1250 kauhikoa rd
Haiku, HI 96908

EEPttestimony

From: Joette Black <blkmail77@msn.com>
Sent: Wednesday, February 03, 2016 7:31 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Joette Black
2260 Kananui Road
Kihei, HI 96753

EEPttestimony

From: Joan Kutzer <J_kutzer@yahoo.com>
Sent: Wednesday, February 03, 2016 8:41 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Joan Kutzer
PO Box 945
Kilauea, HI 96754

EEPttestimony

From: Evern Williams <evernw@aol.com>
Sent: Wednesday, February 03, 2016 8:58 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM



Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Evern Williams
3220 Esther Street
Honolulu, HI 96815

EEPttestimony

From: Thomas Engle <TEngle1999@gmail.com>
Sent: Wednesday, February 03, 2016 9:26 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Thomas Engle
1393 Ohina Place
Honolulu, HI 96825

EEPttestimony

From: Susan Douglas <sd3@hawaii.rr.com>
Sent: Wednesday, February 03, 2016 9:08 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Susan Douglas
3145A Makamae Pl.
Kihei, HI 96753

LATE

From: Dennis O'Shea <oshea606@gmail.com>
Sent: Wednesday, February 03, 2016 9:12 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

Our health and that of our children are more important than Big Corporations' profits.

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Dennis O'Shea
P.O. Box 11107
Lahaina, HI 96761

EEPttestimony

From: MATT YAMASHITA <molokaimat...>
Sent: Wednesday, February 03, 2016 9:58 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

MATT YAMASHITA
PO BOX 1304
KAUNAKAKAI, HI 96748

EEPttestimony

From: r whitford <rdkl@hawaii.rr.com>
Sent: Wednesday, February 03, 2016 9:30 AM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8



Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

We MUST mandate disclosure by Monsanto, Dow, etc when they prepare to spray pesticides!! Please be cognizant of the facts - Hawaii's TRADEWINDS will BLOW the pesticides for miles whichever direction the wind is blowing in a given day!! Nausea, difficulty breathing, burning eyes, etc will follow. It's common sense, PEOPLE OVER PROFITS! Protect the residents of Hawaii!

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki and elderly. I urge you to SUPPORT HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

r whitford
onioni
kailua, HI 96734

EEPttestimony

From: Sherrie Pace-Truitt <sherpowers2002@Yahoo.com>
Sent: Wednesday, February 03, 2016 9:56 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Sherrie Pace-Truitt
2020 dean church rd
Ozark, AL 36360

EEPttestimony

From: Sharon Boyer <sa.boyer@hotmail.com>
Sent: Wednesday, February 03, 2016 10:02 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP or

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Sharon Boyer
66-073 Alapii St.
Haleiwa, HI 96712

EEPttestimony

From: Scott Jarvis <sjarvis22@hotmail.com>
Sent: Wednesday, February 03, 2016 10:12 AM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Scott Jarvis
Box 1664
Hanalei, HI 96714

EEPttestimony

From: Rachael Fisher <rachael@ramdass.org>
Sent: Wednesday, February 03, 2016 10:07 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Rachael Fisher
72 Gibson rd.
Asheville, NC 28804

EEPttestimony

From: Lisa Disinger <LDisiner@gmail.com>
Sent: Wednesday, February 03, 2016 9:35 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on



LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Lisa Disinger
Waiopae St.
Pahoa, HI 96778

LATE

EEPttestimony

From: Linda Enos <lindaenos@gmail.com>
Sent: Wednesday, February 03, 2016 10:06 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Linda Enos
Kahaloa Drive
honolulu, HI 96822

EEPttestimony

From: Anne Frederick <anne.c.frederick@gmail.com>
Sent: Wednesday, February 03, 2016 10:05 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 A



Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Anne Frederick
4640 Kamalomaloo Place
Anahola, HI 96703

EEPtestimony

From: Katherine Lahey <kativasti@gmail.com>
Sent: Wednesday, February 03, 2016 10:13 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

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Katherine Lahey
54-5576 Pawai Place #354
Kailua-Kona, HI 96740

EEPttestimony

From: Chetan Kinsey <anam@bamboosecret.org>
Sent: Wednesday, February 03, 2016 9:51 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8

LATE

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Chetan Kinsey
30 Arden Cir.
Reno, NV 89503

EEPttestimony

From: Wesley Linn <Fiiirreebird@aol.com>
Sent: Wednesday, February 03, 2016 10:37 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 a

LATE

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Wesley Linn
Po box 831
Waialua, HI 96791

EEPttestimony

From: Teresa Goliszewska <arle6@hotmail.com>
Sent: Wednesday, February 03, 2016 11:47 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Teresa Goliszewska
350 Ward Ave # 106
Honolulu, HI 96814

LATE

From: Tanya Aynessazian <taynessazian@gmail.com>
Sent: Wednesday, February 03, 2016 10:22 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Tanya Aynessazian
PO Box 1860
Pahoa, HI 96778

EEPttestimony

From: Sadhika Anderson <sadhikaanderson@gmail.com>
Sent: Wednesday, February 03, 2016 11:08 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8



Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Sadhika Anderson
PO Box 2364
Kealakekua, HI 96750

EEPttestimony

From: riordan pringle <roorypringle@gmail.com>
Sent: Wednesday, February 03, 2016 11:49 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

riordan pringle
59001 holawa st
haleiwa, HI 96712

EEPttestimony

From: Mark Begley <begley@hawaii.rr.com>
Sent: Wednesday, February 03, 2016 10:47 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM



Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Mark Begley
5318 Makaloa Street
Lihue, HI 96746

EEPttestimony

From: Jennifer Milholen <milholen.jennifer@gmail.com>
Sent: Wednesday, February 03, 2016 11:37 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM



Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Jennifer Milholen
3517A Kilauea Ave.
Honolulu, HI 96816

EEPttestimony

From: Jeffrey Bronfman <JeffreyUDV@aol.com>
Sent: Wednesday, February 03, 2016 11:41 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

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Jeffrey Bronfman
630 East Kuiaha Rd
Haiku, HI 96708

EEPttestimony

From: Jay Duquette <Jaymanmolokai@live.com>
Sent: Wednesday, February 03, 2016 12:17 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8



Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Jay Duquette
8231 Kam V hwy
Kaunakakai, HI 96748



From: Javier Mendez <mendezj@hawaii.edu>
Sent: Wednesday, February 03, 2016 10:42 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Javier Mendez
1326B Alewa Dr.
Honolulu, HI 96817

EEPttestimony

From: Harvest Edmonds <harvestkauai@gmail.com>
Sent: Wednesday, February 03, 2016 11:18 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM



Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Harvest Edmonds
po box 679
Kilauea, HI 96754

EEPttestimony

From: D Brothers <kuau77@gmail.com>
Sent: Wednesday, February 03, 2016 10:53 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2

LATE

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I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

D Brothers
37 Kaiea Pl
Paia, HI 96779

EEPttestimony

From: christine cruikshank <chriscdispatch-buy@ya
Sent: Wednesday, February 03, 2016 11:26 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your support of HB 2574. I rely on you to protect our health. Please do what is pono in your heart.

I am deeply concerned by the long-term adverse health impacts of pesticide application. I would think you would be also.

Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

christine cruikshank
2934 Lelehuna place
haiku, HI 96708

EEPttestimony

From: Bethany Brown <imagerybybethany@gmail.com>
Sent: Wednesday, February 03, 2016 10:28 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8

LATE

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Bethany Brown
41-913 Kalaniana'ole Hwy
Waimanalo, HI 96795

EEPttestimony

From: Carly Lima <Carlyslcix@gmail.com>
Sent: Wednesday, February 03, 2016 10:52 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4



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Carly Lima
66-145 Waialua beach rd
Haleiwa, HI 96712

EEPttestimony

From: Bernard Lassalle <graceoflife2002@yahoo.com>
Sent: Wednesday, February 03, 2016 12:18 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8

LATE

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Bernard Lassalle
810 Haiku Road #331
Haiku, HI 96708

EEPttestimony

From: AMY SHARP <ksunrisefarms@yahoo.com>
Sent: Wednesday, February 03, 2016 10:42 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

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AMY SHARP
4121-C North Waiakalua Road
Kilauea, HI 96754

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

LATE

HB2574, Relating to Environmental Protection
House EEP Hearing – Thurs. Feb 4. 2016 – 8:00 am
Testimony by: Larry Jeffs
Position: Oppose w/Comments

Chair Lee, and Members of the House EEP Committee:

Concerns about pesticide application and safety of employees and surrounding neighbors are a common concern of farmers, families and policy makers. Recent discussions about the safety of pesticide applications as a means of reducing the risk of exposure have prompted our comments from a farm perspective. Sugarland Growers, Inc. is a family-run business of several farms located on Oahu and Molokai. We have been farming in Hawaii for more than 35 years, and come from generations of farmers since landing in America in 1642.

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.

Licensed pesticide applications are based on federal¹ and state² laws and approved labeling requirements which regulate how the pesticides are applied per crop acreage. **The larger the crop acreage, the larger the amount of pesticide application. 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 is less.**

We wonder how to prevent disclosure of our proprietary mix of conventional and organic pesticides, of which our farm yields are substantially higher yields of certain organic crops. Low-cost food for Hawaii's 1.3 million people comes from industrialized farming and not from 1 – 5 acre farm lots.

Pesticide labeling requirements provide complete instructions for the use of the product to control specific weeds, pests or plant diseases on various crops or other use sites. It spells out precautions, practices, and limitations necessary to protect the health of the user and environment from unreasonable adverse effects. The label information is closely regulated by EPA under FIFRA (Federal Insecticide, Fungicide and Rodenticide Act) and it is legally binding on the pesticide user. It is illegal to not follow label requirements for registered pesticides.

If the true intent is to reduce pesticide exposure and increase the safety of families and communities:

- **Then risk management of all applications should be discussed rather than targeting agriculture.** Both State and County government use herbicides to control weeds in parks and along the roadside. Only about one-third of Hawaii's pesticide registration is from agriculture applicators. Discussion of pesticide application restrictions should include the other uses of pesticides such as home-use, golf courses, landscapers, and structural fumigation. In fact, the local media-reported incidences of school evacuation due to pesticides are generally found to be from home user application.

We suggest that homeowners comply with some type of state mandated home-use educational compliance certificate, which would be simpler to obtain than agricultural pesticide license. This could be similar to what DLNR has done for the boating community in Hawaii. DLNR requires all boaters to take an online educational course and then carry the documentation stating course completion when operating their boats. Homeowners could be required to present something similar to any retail outlet on purchasing pesticides for use on residential property.

- **The solution must include danger/risk analysis based on scientific data specific to the respective location in Hawaii. Small farms are at the greatest risk for non-compliant pesticide applications and increased exposure risks. More education and outreach to first generation farmers from other countries is an important part of the solution.** Large-scale farmers are less at risk because they have strict pesticide protocols, licensed applicators and have commercial licenses to lose and are at financial risk for non-compliance.
- **The solution must include more and faster DOA approval of the new, modern day pesticides so that the older chemicals can be discontinued.** These new pesticides are adaptation of naturally occurring pesticides, are target specific to the pest, and are safe to humans.
- **Many of Hawaii's RUPs (Restricted Use Pesticides) are not labeled as such anywhere else in the nation.** Former Department of Agriculture administrations used RUPs as a management tool to control who was registering for pesticide use instead of outreach and field visits to farms for pesticide inspection due to staff shortages.
- **The solution must include increasing DOA inspector staffing and allow them the flexibility to conduct site visits in the evening, on weekends, holidays, as well as day time hours because farmers are working those hours.** Bad actors, those who are not in compliance, should be caught, face the consequences and opportunity for education of appropriate pesticide application. Adverse policies and laws should not restrict the majority of farmers who are in compliance.

Our family-run farms will continue to comply with State, County and Federal laws. Our family will survive adverse pesticide and buffer zone restrictions. However, it is the 1.3 million people in the State that will suffer from less local vegetables and fruit in the marketplace and will need to increase their reliance on imported produce from the mainland and elsewhere.

Thank you for the opportunity to submit testimony.

¹ Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) <http://www.epa.gov/opp00001/regulating/fifra.pdf>

² HRS Hawaii Pesticides Law, Chapter 149A and Administrative Rules AR-66
<http://hdoa.hawaii.gov/pi/pest/pesticides-rules-and-laws/>

LATE

From: virginia bivaletz <ginnybiv@yahoo.com>
Sent: Wednesday, February 03, 2016 12:34 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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virginia bivaletz
PO BOX 91
hawi, HI 96719

EEPttestimony

From: Susan Caswell, PHD <jsusie23@hawaii.rr.com>
Sent: Wednesday, February 03, 2016 1:05 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 10:00 AM

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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. Although the "Kaua'i Agricultural Good Neighbor Program" was established to allow companies to voluntarily disclose pesticide application, this program is an unreliable compromise to mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting.

Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Susan Caswell, PHD
pob 347
paauilo, HI 96776

LATE

From: Suellen Barton <Suellen@maui.net>
Sent: Wednesday, February 03, 2016 12:32 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Suellen Barton
P.O. Box 879
Makawao, HI 96758

From: Sherrie Moore <ssmoore72@g...>
Sent: Wednesday, February 03, 2016
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Sherrie Moore
RR 3 Box 1302
Pahoa, HI 96778

From: Roxanne Ortiz <roxanne.c.ortiz@gmail.com>
Sent: Wednesday, February 03, 2016 1:21 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Roxanne Ortiz
255 Huali St. #104
Honolulu, HI 96813

EEPttestimony

From: ron taylor <changeamerica@gmail.com>
Sent: Wednesday, February 03, 2016 12:30 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM



Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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ron taylor
po box 6162
hilo, HI 96720

EEPttestimony

From: Nicole Fechtig <Nicolefechtig@gmail.com>
Sent: Wednesday, February 03, 2016 1:05 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8



Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Nicole Fechtig
PO Box 81647
Haiku, HI 96708

EEPttestimony

From: Janee Dominique <magicfaerie7@yahoo.com>
Sent: Wednesday, February 03, 2016 1:11 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Janee Dominique
Po Box 1065
Kilauea, HI 96754



From: Beverly Lawler <blawler76@hotmail.c
Sent: Wednesday, February 03, 2016 12:49
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Beverly Lawler
676 Kai Nan Place
Kula, HI 96790

EEPttestimony

From: Elise Travis <mauisunrise7@yahoo.com>
Sent: Wednesday, February 03, 2016 1:03 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP



Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Elise Travis
214 heleuma pl.
Kihei, HI 96753

EEPttestimony

From: Biz Gonik <Bizgness@gmail.com>
Sent: Wednesday, February 03, 2016 12:23 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Biz Gonik
PO Box 44336
Kamuela, HI 96743

LATE

From: inge brodehl <preminge@hotmail.com>
Sent: Wednesday, February 03, 2016 1:08 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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inge brodehl
207 Holopuni Rd
Kula, HI 96790

EEPttestimony

From: SarahLynn Bower <potters_n_clay@yahoo.com>
Sent: Wednesday, February 03, 2016 1:43 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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SarahLynn Bower
448 Wainee St
Lahaina, HI 96761

EEPttestimony

From: Denise Woods <dbwoodsluv@hotmail.com>
Sent: Wednesday, February 03, 2016 3:03 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/3/16

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Denise Woods
pmb 128
Kapaa, HI 96746

EEPttestimony

From: Piper Pearson <piperrr510@gmail.com>
Sent: Wednesday, February 03, 2016 4:07 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Piper Pearson
73-4344 Wela Pl
Kailua Kona, HI 96740

EEPttestimony

From: David Cosgrove <salsaking88@hotmail.com>
Sent: Wednesday, February 03, 2016 3:18 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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. Although the "Kaua'i Agricultural Good Neighbor Program" was established to allow companies to voluntarily disclose pesticide application, this program is an unreliable compromise to mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting.

Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

David Cosgrove
PO Box 1434 Honokaa HI 96727
Honokaa, HI 96727

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 04, 2016 6:49 AM
To: EEPtestimony
Cc: mck0714@yahoo.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/4/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Maggie Kramp	Individual	Oppose	No

Comments: This bill is detrimental to all ag

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From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 04, 2016 6:18 AM
To: EEPtestimony
Cc: gkvierra@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/4/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
George Vierra	Individual	Support	No

Comments: This is a common sense bill we all want to know what types of pesticides are being used around us and when so we can leave the area if we choose. There are many instances of pesticide drift so why not be safe and not sorry?

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From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 04, 2016 6:09 AM
To: EEPtestimony
Cc: gottlieb@hawaii.rr.com
Subject: *Submitted testimony for HB2574 on Feb 4, 2016 08:00AM*

HB2574

Submitted on: 2/4/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Alan Gottlieb	Ponoholo Ranch Limited	Oppose	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 04, 2016 6:04 AM
To: EEPtestimony
Cc: bigmacmike@hawaii.rr.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/4/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
mike mcneace	Individual	Support	No

Comments: I live In Waialua ,Oahu with My Family . We need transparency from our agricultural neighbors .In the past Year My Community has been Sprayed with pesticides .We filed a complaint ,wanting to know what We all were sprayed with ? In Hawaii we have lots of wind .Its Mabye impossible to apply toxic pesticide without some drift of the spray .If I call the farmer and ask what We were unintentionally sprayed with the farmers don't have to respond . We need more laws to protect the people living near farms where cancer causing spray is being released into the Air .Please pass HB2574 . Our future Health depends on it !

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SIERRA CLUB OF HAWAI'I

MĀLAMA I KA HONUA. Cherish the Earth.

House COMMITTEE ON ENERGY AND ENVIRONMENTAL

Thursday February 4, 2016 8AM Room

In Support **HB2574** Relating to Environmental Protection

LATE

Aloha Chairman Lee and members of the House EEP Committee,

On behalf of our 12,000 members and supporters, the Sierra Club of Hawai'i **strongly supports** HB2574 to require disclosure of pesticide use in Hawaii.

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, leukemia, and asthma. AAP recommends protections for children from hazardous exposure to pesticides, such as mandatory disclosure of pesticide sprayed in and around schools.

HB 2574 will protect Hawai'i's residents and environment and from the unintended impacts of large-scale pesticide use by making the public disclosure and reporting guidelines for the "Good Neighbor Program" mandatory for large-scale, outdoor commercial agricultural operations across the state. The bill will establish public notification requirements when pesticides are sprayed in proximity of schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

This bill represents a crucial, basic step forward in the pesticide debate. Hawai'i's communities have no choice but to live, work, and commute daily in areas under threat of toxic pesticide drift – and they do not have access to information that would allow them to protect themselves from this vital threat. With agrichemical companies spraying 2 out of every 3 days, mandatory public disclosure will ensure the industrial agriculture is held responsible for the potential impacts of its pesticides on human health and the environment.

For these reasons, we strongly urge this Committee to move this measure forward. Thank you for the opportunity to testify on this measure.

Mahalo,

Martha Townsend
Director

LATE

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 04, 2016 2:03 AM
To: EEPtestimony
Cc: rbergstrom@surfrider.org
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/4/2016
Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

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

Comments: Aloha Members of the House EEP Committee, I am writing in support of HB 2574 to require disclosure announcements from large scale agriculture producers who use restricted use pesticides. Pesticides have become increasingly prevalent in our modern industrial agriculture age and it is the public's right to have knowledge of what is being added to our food systems and environment. In no way do I condemn the agriculture industry. Growing food for a large population is both extremely challenging and often times a thankless job. Pests are difficult to combat on large scales and can result in both economic hardship and market failures when crops are lost. Despite these challenges, our economic and food system managers cannot subjugate communities and our environment to a place where they are left in the dark to what potentially harmful chemicals are entering our everyday lives. Disclosure should not even have to be debated - transparency is the key to functioning engagement with a community. Mothers, fathers, teachers, employers, restaurant owners, consumers, and producers should have the ability to research and vet the chemicals that are being added to our food systems in Hawaii. Without this knowledge, the agriculture industry will continue to operate in a shadow that is menacing in its necessity of putting production and economy over human and environmental health. The pushback to disclosure only strengthens the argument that there is something to hide. Are we operating in a system that completely throws the precautionary principle out the window? If so, this is not a world that is safe for our future generations. As an employee of an environmental non-profit - the Surfrider Foundation, our organization is concerned with the future of water quality and soil health on the islands. As we study what pollutants are entering our environment, having disclosure of what is being sprayed in agricultural lands would greatly help understand what chemicals are reaching our water systems. If the pesticides allocated to crops in Hawaii were truly safe and were contained on site, then it would be a non-issue to tell us what the pesticides are and how often they are administered. I appreciate your time in considering these words and hope that you move to promote a future in which our communities are the priority and are treated as if they have a right to know what kind of environment they are living in. Mahalo for the work that you do.

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From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 04, 2016 2:01 AM
To: EEPtestimony
Cc: orchid6128@aol.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/4/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

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

Comments: Aloha, My family supports HB2574 for disclosure, for many reasons. Our community has reported several incidents of pesticide overspray, drift and exposure from commercial operations. The most frequent offenders on Maui is Monsanto and HC&S. Many will try to tell you our pesticide abuse problem is with homeowners. This is simply not true. Using UIPA, we requested documents from Dept of Ag, for pesticide violations. None were from homeowners. All violations were commercial applicators. The "label is the law" is preached, but not followed and not enforced. Why does it take Dept of Ag pesticides branch 5 years to close a case on exposure- cases where 6 or more chemicals were found inside of peoples homes? The list included restricted use pesticides- products that normal "homeowners" have NO ACCESS to! There are 12 unresolved cases on Maui where pesticides from commercial users (like HC&S) were found in peoples homes. 15 pesticide cases on Kaua'i...that we know about. Not sure how many others we are not aware of yet. Monsanto may claim they have the technology and best practices, but they violated a label by using an illegal pesticide- methyl parathion (a never agent) July 2014 and during HIGH WINDS. The label says this chemical is not to be used/distributed/sold/transported after Dec 31, 2013. Yet Monsanto was spraying it in high winds 7 months later. What action was taken? If they knew that public had access to the date/time/name of pesticides applied they would be much more likely to follow all the labels and this would decrease the chance of us suffering from exposure. If you would like to see any supporting data, please let me know. I sent it in numerous times last year on the senate side, but it seemed to fall on deaf ears. Mahalo for listening to the people! Deborah Mader Kihei, HI

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From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 04, 2016 1:43 AM
To: EEPtestimony
Cc: wkenkoike@hotmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/4/2016
Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
W. Ken Koike	Individual	Support	No

Comments: As a small organic farmer in Wai'anae Valley, I strongly support HB2574! My lease with the Dept. of Ag. was just terminated in December because I had livestock on my property that was deemed unacceptable because I was a possible threat to the environment because of the manure they produce. How can the Dept. of Ag. allow me to poison the land and water supply legally through the use of restricted use pesticides, known to be carcinogenic to humans, but cancel my lease because I'm trying to use organic manure to fertilize my farm? How is this consistent or logical at any level? Not only is there a double standard but the chemical industry have lobbied our state to even hide what poisons are being used, how much of it or how often it's being used. That's just criminal in my opinion, of the applicators and negligent behavior of our regulators.

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 11:55 PM
To: EEPtestimony
Cc: foodsovereignty@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM



HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Mitsuko Hayakawa	Individual	Support	No

Comments: Aloha Members of the Energy and Environmental Protection, I strongly support HB2574 for mandatory pesticide disclosure. Not only would early notification inform nearby residents so they can take necessary precaution to avoid potential drift, the information could be used to collect data to study more accurately the effect on health and environment.

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 11:21 P
To: EEPtestimony
Cc: scoleman@surfrider.org
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

LATE

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

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

Comments: Dear Chair Lee, Vice Chair Lowen and EEP Committee Members, I am an author, teacher and environmentalist who is currently involved in a study about pesticides. I am writing in strong support of HB 2574. In recent years, Hawaii has become a testing ground for the world's biggest seed and chemical companies, and we need to be more vigilant about the toxic chemicals being tested on our land and the drift from these restricted use pesticides. The very least we can do is develop mandatory reporting guidelines for large-scale, outdoor commercial agricultural operations across the State; and establish disclosure and public notification requirements for the application of these pesticides, especially near schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas. This is just common sense and a practical application of the precautionary principle of "do no harm," which legislators (like doctors) should subscribe to in protecting the public. This common practice in the European Union and other areas around the world, where many of these pesticides like atrazine and chlorpyrifos are banned and/or heavily restricted. Mahalo for your consideration and leadership in developing practical guidelines for public safety. These common sense policies will make sure the public is notified about the spraying of these restricted use pesticides and are most vulnerable populations are protected. Aloha, Stuart Coleman 2927 Hibiscus Pl. Hon., HI 96815

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 10:50 PM
To: EEPtestimony
Cc: matthewklynch@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room



Submitted By	Organization	Testifier Position	Present at Hearing
Matthew Lynch	Asia-Pacific Center for Regenerative Design	Support	No

Comments: We stand in strong support of HB 2574 to re-establish simple safety measures to protect the health of our children and rural communities. Mandatory pesticide use disclosure is a common-sense approach that would give us access to data that can be used to better track & measure the impacts of pesticide use on our communities, and to implement appropriate protective steps if necessary. Voluntary compliance to disclose pesticide use results in incomplete data and violates the precautionary principle - when scientific investigation has found a plausible risk of harm to the public from an activity or practice, there is a social responsibility to protect the public from exposure to harm

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 8:44 PM
To: EEPtestimony
Cc: sunshineorchids@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM



HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Darrell Tanaka	Individual	Oppose	No

Comments: the department of agriculture already knows what is sprayed by large scale ag businesses...public notification about spraying is problematic and time consuming, as it is not realistic to notify everyone, nor is it realistic to expect the applicator to wait...when you need to spray and weather conditions are cooperating, you just need to spray or risk losing a valuable opportunity should weather patterns change, then you end up with crop damage.

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 8:44 PM
To: EEPtestimony
Cc: kallygos@mac.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Kally	Individual	Support	No

Comments: We need much much more transparency for practices that affect all of us. There's no way we can protect ourselves if practices are hidden.

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House Committee on Energy and Environmental Protection
Chair Representative Lee
Vice Chair Representative Lowen

Hearing for HB 2574
Thursday, February 4, 2016
8:00 AM, Capitol Room 325



Susan Stayton
Resident, Lawai, Kauai, HI

TESTIMONY IN STRONG SUPPORT OF HB 2574 – Relating to Environmental Protection

Aloha e Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

My name is Susan Stayton and I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki’s health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

As a concerned citizen I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai‘i. 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^{i,iii,iii,iv}, leukemia^{v,vi,vii}, and asthma^{viii,ix,x}.

Children in Hawai‘i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the “Kaua‘i Agricultural Good Neighbor Program,” a voluntary pesticide disclosure program in the County of Kaua‘i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua‘i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua‘i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program^{xi}.

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. Although the “Kaua‘i Agricultural Good Neighbor Program” was established to allow companies to voluntarily disclose pesticide application, this program is an unreliable compromise to

mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting.

Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Sincerely,

Susan Stayton

ⁱ 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.

ⁱⁱ 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.

ⁱⁱⁱ 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.

^{iv} Bouchard MF, Chevrier J, Harley KG, Kogut K, Vedar M, Calderon N, Trujilo 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.

^v 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.

^{vi} 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>.

^{vii} 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.

^{viii} 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.

^{ix} 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.

^x 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>.

^{xi} Kaua'i Agricultural Good Neighbor Program. (2015). <https://data.hawaii.gov/Health/Kaua-i-Agricultural-Good-Neighbor-Program-RUP-Use-/9pud-c8q5>

Chair Lee, Vice-Chair Lowen
Committee on Energy and Environmental Protection



Mary Lacques
Registered voter
P.O. Box 14
Hale'iwa, Hawaii 96712

Thursday, February 4, 2016
House Conference Room 325, 8:00am

TESTIMONY IN STRONG SUPPORT OF HB2574

Aloha Chair Lee, Vice-Chair Lowen and Members of the House Committee on Energy & Environmental Protection,

My name is Mary Lacques and I am a resident of Hale'iwa, which is often referred to as "O'ahu Ground Zero" for the growing of genetically engineered (GE) seed crops and pesticide experimentation. I am submitting testimony in support of HB2574 which establishes reporting requirements for large scale, chemically-intensive industrial agricultural operations when pesticides are scheduled to be applied in sensitive areas. These areas include close proximity to schools, healthcare and elder care facilities and other environmentally-sensitive areas. The statewide pesticide notification law that HB2574 would create is modeled on the reporting guidelines of the Agricultural Good Neighbor program already implemented on Kaua'i.

Disclosure and public notification requirements for outdoor applications of pesticides are not unique on the Continental United States. Many states already provide different types of disclosure, from public registries to written and mailed notification. Since Hawai'i has more experimental open air pesticide test sites than any other state,¹ Hawai'i should require pesticide applicators to take reasonable steps to give adequate notice so that residents, health professionals and teachers can, in turn, take the necessary steps to protect themselves and those that are in their care.

As our North Shore community awareness and concerns about the impacts of pesticide drift and harmful runoff affecting soil and aquatic life increases, we look to the counties of Hawai'i, Maui and Kaua'i (which have all passed legislation regulating the large agricultural companies' operations) as how to best protect residents, visitors and the environment. At the very least, community members at the North Shore Neighborhood Board meetings are asking that notification of pesticide use be readily available to the public.

Mahalo for the opportunity to testify and for making the health and well being of our precious islands and inhabitants a priority, and mahalo for your dedicated service,

Mary Lacques
808 652-5286

1. Hawai'i Center for Food Safety, (2015), Pesticides in Paradise.

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 6:37 PM
To: EEPtestimony
Cc: dubieldesign@hotmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Com

LATE

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

Comments: Please.....Stand up for the children. Children are at greatest risk along with pregnant moms. Pesticides do damage. We need protection. Protect us. We have a right to live in a pesticide-free environment. Rexann Dubiel Grade Three Teacher 30-year Veteran Sunset Beach Elementary

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 6:21 PM
To: EEPtestimony
Cc: velascoarleen@yahoo.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/3/2016
Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
arleen velasco	Individual	Support	No

Comments: I was a farmer in San Diego county and saw the detrimental affect of pesticides on the beneficial insects that help the crops. My neighbors sprayed MEK hurting my health and that of my children and pets. we need to know what is being done to the fields in our communities.

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Hawaii
Children's Action Network
Building a unified voice for Hawaii's children

February 4, 2016

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96813

P: (808) 531-5502

To: Representative Chris Lee, Chair
Representative Nicole Lowen, Vice Chair
House Committee on Energy & Environmental

LATE

From: Deborah Zysman, Executive Director
Hawaii Children's Action Network

**Re: HB 2574 Relating to Environmental Protection – Support
Hawaii State Capitol, Room 329, February 4, 2016 – 8:30 A.M.**

On behalf of Hawaii Children's Action Network (HCAN), formerly Good Beginnings Alliance, we are writing in support of the intent of HB 2574, Relating to Environmental Protection.

HCAN is committed to improving lives and being a strong voice advocating for Hawai'i's children. Last fall, HCAN convened input in person and online from more than 50 organizations and individuals that came forward to support or express interest for a number of issues affecting children and families in our state that resulted in the compilation of 2016 Hawai'i Children's Policy Agenda, which can be accessed at <http://www.hawaii-can.org/2016policyagenda>.

HB 2574 would require reporting guidelines for large-scale, outdoor commercial agricultural operations across the state and establish disclosure and public notification requirements for outdoor application of pesticides in various environmentally sensitive areas.

HCAN is Hawaii's leading policy and advocacy non-profit organization on children's health, education, safety and well-being. We build a united voice to educate and advocate for Hawaii's children.

We are concerned that many children in Hawaii have no choice but to live, play and attend childcare, preschool and/or school in close proximity to areas where restricted use pesticides are used.

The American Academy of Pediatrics (AAP) issued a policy statement in 2012 titled "Pesticide Exposure in Children." The full policy statement can be found at:

<http://pediatrics.aappublications.org/content/130/6/e1757>

The main findings of the AAP are that:

- Children are uniquely vulnerable to the toxicity of pesticide exposure and have both acute and chronic health issues associated with exposure
- Prenatal and early childhood exposure to pesticides is associated with pediatric cancers, decreased cognitive function and behavioral problems.
- Government should consider measures to minimize children's exposure.

Given the high risks associated with prenatal and early childhood pesticide exposure, extreme caution should be taken to protect our children.

Disclosure and public notification requirements are reasonable measures to protect children's health and well-being. For these reasons, HCAN respectfully requests that members of the Committee to pass this bill.

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 3:23 PM
To: EEPtestimony
Cc: hlbpalmer@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

LATE

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Hillary Palmer	Individual	Support	No

Comments: Due to Hawai'i's warm, windy climate and the frequent spray schedule, pesticide drift is a major concern for families living in neighborhoods with pesticide promoting genetically engineered (GE) crop field test sites. Based on findings from over 150 medical and scientific studies, we know that the restricted-use pesticides used by agricultural companies in Hawai'i are linked to human health harms, especially for children, including asthma, autism, adverse birth outcomes, auto-immune diseases and cancers. Scientists have also shown that low-level, chronic exposure to toxic pesticides may increase the risks of various serious diseases including cancer, autism, Parkinson's disease, auto immune diseases and childhood leukemia. Please support this bill, because we, as citizens being exposed, have a right to know and if it will harm us to say NO!

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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LATE

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 3:10 PM
To: EEPtestimony
Cc: Alana.Ross@hotmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
AlanaRoss	Individual	Support	No

Comments: TESTIMONY IN STRONG SUPPORT OF HB 2574 – Relating to Environmental Protection Aloha e Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection, My name is Alana Ross and I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki’s health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas. As a healthy citizen I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai’i. 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 use pesticides are at a risk of neurodevelopmental disabilities like autism and ADHD leukemia, and asthma. Children in Hawai’i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the “Kaua’i Agricultural Good Neighbor Program,” a voluntary pesticide disclosure program in the County of Kaua’i. Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua’i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua’i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program. 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. Although the “Kaua’i Agricultural Good Neighbor Program” was established to allow companies to voluntarily disclose pesticide application, this program is an unreliable compromise to mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting. Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure. Sincerely, Alana Ross Hana, HI

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

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 2:59 PM
To: EEPtestimony
Cc: ofstone@aol.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

LATE

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Jeri Di Pietro	Individual	Support	No

Comments: Please grant pesticide disclosure from the major chemical companies operating near our schools, homes and waterways. The people of Hawai`i deserve the right to know what is being sprayed pro actively so that we may exercise the precaution of closing our windows or choosing to avoid these areas completely. Without disclosure we can not adequately protect our keiki, our kapuna and others with breathing difficulties or compromised immune systems. 7 out of 8 islands have continually asked for disclosure. It is only right that we receive timely posting. Other counties provide this by online access such as zip code search or text messaging. Mahalo from Kaua`i

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 9:53 PM
To: EEPtestimony
Cc: mandalaluna@yahoo.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

LATE

HB2574

Submitted on: 2/3/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Victoria Holloway	Individual	Support	No

Comments: Aloha, We need the reporting guidelines of the Kaua'i Agricultural Good Neighbor program to be made mandatory for large-scale commercial agricultural operations State-wide. The public has the right to mandatory, full disclosure, and timely notification, of outdoor applications of pesticides in the proximity of schools, healthcare facilities, child care facilities, elder care facilities, homes and other environmentally-sensitive areas. The public also has the right to protection from the unintended impacts of pesticide exposure and drift resulting from large-scale agricultural operations here in Hawai'i. Please support HB2574, mahalo. Victoria Holloway Princeville, Kauai

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LATE

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 7:10 PM
To: EEPtestimony
Cc: oldsurfin@cox.net
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/3/2016
Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Wayne Babcock	Individual	Support	No

Comments: I strongly request support of mandatory disclosure of the use of toxins and chemicals. This is very simple. It harms people.

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From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 04, 2016 8:41 AM
To: EEPtestimony
Cc: cjmellor626@yahoo.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM



HB2574

Submitted on: 2/4/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
c mellor	Individual	Support	No

Comments: More and more people have compromised health due to excessive environmental toxin exposure. These People need to be aware of pesticide spraying so they can avoid having health setbacks. Please support this bill

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

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 04, 2016 8:18 AM
To: EEPtestimony
Cc: sea.fire.enchantment@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/4/2016

Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room

LATE

Submitted By	Organization	Testifier Position	Present at Hearing
susan walczak-pol	Individual	Support	No

Comments: Due to this lack of oversight and pesticide regulation, Hawai'i's children, the elderly, and other sensitive residents have no choice but to live, work, and commute daily in close proximity to genetically engineered (GE) crop test fields where these pesticides are being sprayed. Notification and disclosure requirements will bring much needed transparency to pesticide regulation in Hawaii and prioritize the protection of Hawai'i's public health and natural resources.

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Warren E. Mayberry
Government Affairs Manager
DuPont Pioneer
Waialua Parent Seed, Kekaha Parent Seed
Kunia Research Center, Waimea Research
PO Box 520
Waialua, HI 96791

HB 2574 - Relating to Environmental Protection
House of Representatives, Notice of Hearing
Thursday, February 4, 2016
Room 325 at 8:00 a.m.

LATE

Position: Opposed

Rep. Chris Lee, Chair, Rep. Nicole E. Lowen, Vice Chair, and Members of the Committees,

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

HB 2574

Each EPA regulated pesticide product has a specific set of conditions for application, with labels for some products already requiring additional steps in handling procedures.

HB 2574 narrowly targets a small group of pesticide users, subjecting these farm operations to frequent and onerous reporting rules.

This bill disregards the substantial amount of data evaluated and the rigorous approval process conducted before a new pesticide can be registered and sold. The US Environmental Protection Agency has federal regulatory oversight of pesticide registration, pesticide product labels, buffer zones and assessments of health and safety.

Studies must be submitted to EPA and existing scientific publications are reviewed before any new pesticide product is allowed to be used. Existing pesticides must be re-evaluated periodically by EPA to ensure they continue to meet the appropriate safety standards. The scientific evaluation process for products is conducted under a variety of different conditions.

It is important to note many pesticides approved for use in organic farming go through this same rigorous EPA approval process for safe use.

We are opposed to HB 2574, which impacts many of Hawaii's most productive farms. The larger agricultural users of pest control products are amongst the most highly trained and skilled users, following labels and regulations specific for each product.

We respectfully oppose HB 2574. This pesticide bill would negatively impact integrated pest management practices on our farms that allow us to respond quickly and only as needed. Integrated pest management practices rely on scouting for pests to monitor populations, tracking tolerable pest levels on crops, use of biocontrol and other organic pest control methods, and targeted response only when needed. We handle pesticides in a manner that is safe and consistent with state and federal requirements.

Thank you for the opportunity to provide testimony for bill HB 2574.

LATE

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 04, 2016 7:50 AM
To: EEPtestimony
Cc: mpahukoa@gmail.com
Subject: *Submitted testimony for HB2574 on Feb 4, 2016 08:00AM*

HB2574

Submitted on: 2/4/2016
Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

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

Comments:

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LATE

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 03, 2016 6:18 PM
To: EEPtestimony
Cc: nikki2244@gmail.com
Subject: Submitted testimony for HB2574 on Feb 4, 2016 08:00AM

HB2574

Submitted on: 2/3/2016
Testimony for EEP on Feb 4, 2016 08:00AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Nicole Chatterson	Individual	Support	No

Comments: Aloha EEP Committee Members, I am writing in support of HB2574. I am resident of Manoa and work in the field of conservation. My work has led me to visit field sites in Kunia where I've had to transit through some of the test-crop agricultural lands that practice heavy pesticide use. I've seen the land managers and farmers that reside directly adjacent to the fields. I've read recently about several reports of farmworkers in that region falling ill-- having seizures and nosebleeds after being exposed to pesticides. I studied environmental science and have worked professionally as an environmental scientist evaluating the impacts of organochlorine pesticides. I understand this problem academically and as an observant member of the community. I urge the passing of this bill as a step toward protecting human and environmental health. Syngenta's practices of spraying pesticides are likely responsible for making students sick in Waimea. Several Kauai citizens are suing Pioneer for health impacts from pesticide exposure. For nearly 50 years we've well understood the risks associated spraying-- since Rachel Carson wrote Silent Spring detailing the widespread and destructive impacts of pesticide use on human and environmental health. What more do we need before we are willing to take the issue head on? It time to deconstruct this system that is working to the profit of the few and the detriment of the many. Passing SB2574 will allow for the most basic of protections--full disclosure about the frequently sprayed (up to 16 times per day) chemical cocktail (of up to 90 different chemicals) that is impacting our keiki, kupuna, and farmworks. Disclosure of pesticide use enables communities and individuals to take their health into their own hands instead of fruitlessly hoping that large corporations or our ill informed DOH are protecting them. If the public shouldn't be concerned about the contents of pesticide, then I wonder why there is any hesitation at all to disclose? This isn't a radical bill. It doesn't even require the pesticide sprayers to change their practices, it require the most basic courtesy of being transparent with potential risks to our health. Mahalo for your time and consideration, Nicole Chatterson

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EEPttestimony

From: Alex Holasek <2014alxmusic@gmail.com>
Sent: Wednesday, February 03, 2016 6:25 PM
To: EEPttestimony
Subject: Support HB 2574 being heard by EEP on 2/4



Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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. Although the "Kaua'i Agricultural Good Neighbor Program" was established to allow companies to voluntarily disclose pesticide application, this program is an unreliable compromise to mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting.

Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Alex Holasek
3270 beaumont woods place
honolulu, HI 96822

EEPttestimony

From: Laurie Makaneole <Makaneole@yahoo.com>
Sent: Wednesday, February 03, 2016 5:13 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Laurie Makaneole
Po box 438
Hanapepe, HI 96716

EEPttestimony

From: doug schabell <dgschabell@gmail.com>
Sent: Wednesday, February 03, 2016 4:22 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

doug schabell
po box 711795
mountain view, HI 96771

EEPttestimony

From: Martha E. Martin <mauimartina@gmail.com>
Sent: Wednesday, February 03, 2016 6:20 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Martha E. Martin
PO Box 790300
Paia, HI 96779

LATE

From: Shari Dicks <sharidicks@yahoo.com>
Sent: Wednesday, February 03, 2016 7:09 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Shari Dicks
45 Kalihi place
kula, HI 96790

EEPttestimony

From: Mike Saiz <supaveda@gmail.com>
Sent: Wednesday, February 03, 2016 6:52 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM



Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Mike Saiz
PO Box 562
Haleiwa, HI 96712

EEPttestimony

From: Meghan Mulley <meghanmulley@yahoo.com>
Sent: Wednesday, February 03, 2016 5:54 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM



Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agricultural companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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. Although the "Kaua'i Agricultural Good Neighbor Program" was established to allow companies to voluntarily disclose pesticide application, this program is an unreliable compromise to mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting.

Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Meghan Mulley
Kumukoa
Hilo, HI 96720

EEPttestimony

From: Sudevika Okeahi <Sudevika@gmail.com>
Sent: Wednesday, February 03, 2016 10:19 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM



Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Sudevika Okeahi
Hale Manu
Hilo, HI 96720

EEPttestimony

From: Sherryl Royce <roycehi@aol.com>
Sent: Wednesday, February 03, 2016 9:02 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM



Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Sherryl Royce
335 Awini Place
Honolulu, HI 96825

From: Momi Ver <Veeroy808@gmail.com>
Sent: Wednesday, February 03, 2016 7:32 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Momi Ver
108 E Waipuilani rd
Kihei, HI 96853

EEPttestimony

From: Sara visvader <motivader808@gmail.com>
Sent: Wednesday, February 03, 2016 8:55 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Sara visvader
Liko Lehua St
Volcano, HI 96785

EEPttestimony

From: Genevieve Azar <Reigningcolors@gmail.com>
Sent: Wednesday, February 03, 2016 10:10 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Genevieve Azar
PO box 2417
Kealakekua, HI 96750

LATE

From: Jo Ann Chou <chouj002@yahoo.co
Sent: Wednesday, February 03, 2016 9:11
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Jo Ann Chou
74 Kulipuu Street
Kihei, HI 96753

LATE

From: Cory Harden <333cory@gmail.com>
Sent: Wednesday, February 03, 2016 7:46 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection, We need to know what our children are being exposed to!

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Cory Harden
Kulaloa Rd.
Hilo, HI 96720

LATE

From: eugene calvert <etphonehome3333@yahoo.com>
Sent: Wednesday, February 03, 2016 9:38 PM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

If any citizen sprayed poison over a large area anywhere near humans, they would be liable for damages. Chemical agricultural companies should not be immune to prosecution. In the least, they should be held accountable to disclose such actions.

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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eugene calvert
77122 queen kalama ave
kailua-kona, HI 96740

EEPttestimony

From: Suzen Lily Talbot <divinemothersent@aol.com>
Sent: Thursday, February 04, 2016 5:09 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

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Suzen Lily Talbot
PO Box 6062
Ocean View, HI 96737

EEPttestimony

From: Neilani Siatini-Valencia <Nani99@aol.com>
Sent: Thursday, February 04, 2016 6:25 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM



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Neilani Siatini-Valencia
51-153 Kaaawa Park Lane
Kaaawa, HI 96730

LATE

From: Kellie Berns <kelbelove@gmail.com>
Sent: Thursday, February 04, 2016 7:01 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Kellie Berns
5007 Cedar Ave
Philadelphia, PA 19143

EEPttestimony

From: Leilani Johnson <ilenila@yahoo.com>
Sent: Thursday, February 04, 2016 3:23 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at



I believe we have the right to know when we are exposed to known poisons and potentially toxic substances, not only in the circumstances the bill describes, but always (for instance, when the Department of Transportation sprays along the roadside). Other States, such as Oregon, have required transparency with success and I believe it is Hawaii's duty to follow suit.

Leilani Johnson
61-659 Kamehameha Hwy
Haleiwa, HI 96712

EEPttestimony

LATE

From: Joy Brann <jdbr>
Sent: Wednesday, Feb
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Joy Brann
284 elilani st
makawao, HI 96768

EEPttestimony

From: Damien Duarte <kona@kauai.tax>
Sent: Thursday, February 04, 2016 7:07 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

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Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Damien Duarte
4640 Kamalomaloo road
Anahola, HI 96703

LATE

From: Charles Laquidara <charles.laquidara@hawaii.gov>
Sent: Wednesday, February 03, 2016 10:56 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

Aloha Chair Lee, Vice Chair Lowen and esteemed members of the House Committee on Energy & Environmental Protection,

I am writing to urge your strong support of HB 2574. This bill requires that the state protect our keiki's health by requiring pesticide disclosure for large-scale, outdoor commercial agricultural operations, and public notification for pesticides applied around schools, healthcare facilities, child care facilities, elder care facilities, and other environmentally-sensitive areas.

I am deeply concerned by the long-term adverse health impacts of pesticide application and pesticide drift on the children of Hawai'i. 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, leukemia, and asthma.

Children in Hawai'i, especially those living in rural areas, are at heightened risk for exposure to pesticides applied by large-scale agricultural operations in their communities. The intensive use of highly toxic restricted-use pesticides by agrichemical companies in the state is evinced by data from the "Kaua'i Agricultural Good Neighbor Program," a voluntary pesticide disclosure program in the County of Kaua'i.

Program data reports that, between December 2013 to Augusts 2015, a total application of 4,018.51 gallons and 2,389.86 pounds of concentrated Restricted Use Pesticides on Kaua'i, by the five participating companies (Syngenta, Pioneer (Dupont), Dow AgroSciences, BASF and Kaua'i Coffee). Information regarding the locations of where these pesticides are applied is not reported by this program .

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. Although the "Kaua'i Agricultural Good Neighbor Program" was established to allow companies to voluntarily disclose pesticide application, this program is an unreliable compromise to mandatory disclosure. The data is not verified which leads to uncertainty at the validity of reporting.

Please give us a chance to protect our keiki. I urge you to support HB 2574. Thank you kindly for considering my testimony in strong support of the measure.

Charles Laquidara
34 Hune One Ln Unit 12203
Kihei, HI 96753



From: Willow Mahoney <Violetfire75@yahoo.com>
Sent: Thursday, February 04, 2016 7:20 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Willow Mahoney
175 east Agua caliente rd
Sonoma, CA 95476

EEPttestimony

From: sarah pea <sea.fire.enchantment@gmail.com>
Sent: Thursday, February 04, 2016 8:10 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

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sarah pea
1765 haiku rd
haiku, HI 96708

LATE

From: Hector Valenzuela <hectoruh@yahoo.com>
Sent: Thursday, February 04, 2016 7:32 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Hector Valenzuela
95-265 Kaopua Lp
Mililani, HI 96789

From: Debbie Gia <barefoot@hawaiiink.net>
Sent: Thursday, February 04, 2016 8:07 AM
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

LATE

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Debbie Gia
4365 Kukui Grove St. #105
Lihue, HI 96766

LATE

From: Ann Pitcaithley <pitcaith@...>
Sent: Thursday, February 04, 2016
To: EEPtestimony
Subject: Support HB 2574 being heard by EEP on 2/4 at 8 AM

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Ann Pitcaithley
326 Maka Hou Loop
wailuku, HI 96793