

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

BEFORE THE SENATE COMMITTEE ON WAYS & MEANS

**FEBRUARY 24, 2017
1:30 P.M.
CONFERENCE ROOM 211**

**SENATE BILL NO. 778
RELATING TO AGRICULTURE**

Chairperson Tokuda and Members of the Committee:

Thank you for the opportunity to testify on Senate Bill No. 778 that appropriates funds to implement the findings and recommendations of the joint-fact finding study group's ("JFF") report on pesticide use by large agribusiness on Kauai. The JFF strove to address specific concerns regarding pesticide use by certain entities on the island of Kauai and identify any data gaps regarding pesticide exposure and adverse effects to humans and the environment. The Department supports this Bill and appreciates the potential of supplementary funding to address those concerns. The Department has already begun implementation of many of these recommendations, working closely with other state and federal agencies.

The Department would also like to point out, however, that there are concerns with the potential implication that the Department will implement all of the recommendations published the JFF's report, as many of these recommendations are not within the purview of the Department.

Thank you for the opportunity to provide testimony on this measure.





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

TESTIMONY FOR SENATE BILL 778, RELATING TO PESTICIDES

Senate Committee on Ways and Means
Hon. Jill N. Tokuda, Chair
Hon. Donovan M. Dela Cruz, Vice Chair

Friday, February 24, 2017, 1:30 PM
State Capitol, Conference Room 211

Honorable Chair Tokuda and committee members:

I am Kris Coffield, representing IMUAlliance, a nonpartisan political advocacy organization that currently boasts over 350 members. On behalf of our members, we offer this testimony in strong support of Senate Bill 778, relating to pesticides.

In the debate over regulating local agriculture, there is one thing that everyone should agree to condemn: causing harm to other people.

Unfortunately, Hawai'i's pesticide code allows chemical abuse to go unchecked. Today, the Department of Agriculture must warn pesticide abusers before investigating potential legal violations. A farm that fails to take caution when using harmful chemicals, therefore, may suffer no consequences for its actions, since the warning will give owners ample time to hide any evidence of their crimes. Even when caught, chemical criminals face minimal penalties. State law currently grades pesticide abuse as a misdemeanor offense, meaning farm operators who apply dangerous doses of restricted use pesticides are met with a maximum one-year prison sentence.

In the islands, pesticide misuse poses major health risks. According to an investigation conducted by the *Cascadia Times*, pesticide application by four large agrichemical companies on Kaua'i—Syngenta, BASF Plant Science, DuPont Pioneer, and Dow AgroSciences—is ten times the national average. In their report, *Cascadia* found that a number of restricted use pesticides were overused, including chlorpyrifos, atrazine, and paraquat. A study published in the medical journal *The Lancet Neurology*, in March of 2014, found that the neurotoxin chlorpyrifos led to developmental disabilities in children. Similarly, atrazine and paraquat are banned in the European Union. Atrazine is known to contaminate groundwater supplies, while paraquat has been linked to the onset of Parkinson's disease. Yet, both herbicides remain widely popular in the

United States, where the Environmental Protection Agency has prematurely declared with “reasonable certainty” that neither carry a significant risk of harm.

Pesticide abuse is not limited to the outer islands. On O'ahu, IMUAlliance has provided services to cancer-stricken sprayers of restricted use pesticides, some of whom have are also victims of labor trafficking. Not only were our clients provided with little to no information about the health risks of the pesticides placed in their hands, they were not given equipment to protect themselves from harm. Yet, similar cases have been handled by our strategic partners on the outer islands, including Kaua'i.

To protect against pesticide drift impacting sensitive educational areas and making children ill—as happened in 2007 at Kahuku High and Intermediate, in which a dozen students fell ill when a nearby sod farmer ignored windy weather while applying pesticides, and in 2008 in Waimea on Kaua'i, where dozens of students got sick after farmers applied pesticide on a nearby seed corn plot—it is incumbent upon lawmakers to pass legislation establishing buffer zones around schools from which the application of pesticides is restricted, as is called for by the Joint Fact Finding Group's report *Pesticide Use by Large Agribusinesses on Kaua'i*. When Ordinance 960 was struck down by a federal court in 2014, the Department of Agriculture and the Kaua'i County Office of the Mayor contracted an independent public policy group, The ACCORD 3.0 Network, to facilitate the Joint Fact Finding Group project, charging the group with gathering accurate information on the lands used by the seed companies and Kaua'i Coffee, their pesticide usage, and evidence of any possible adverse health and environmental impacts. Their finds are clear and must be implemented as quickly as possible.

We urge lawmakers to, soon, also pass legislation removing warning notice requirements from the state's pesticide code, allowing investigators to probe allegations of noncompliance without tipping off their targets. Policymakers should simultaneously raise penalties for restricted use pesticide violations that result in bodily harm or death. Carelessness should not excuse assault or homicide, even if industrial chemicals are the culprit. Finally, elected officials should make sure that the Department of Agriculture has the clear capability to refer potential violations to law enforcement for prosecution. Laws are only as good as their enforcement. It's time we started prosecuting those who sacrifice people's health to personal profit.

It is imperative that political leaders stand up for safety during this year's legislative session, given recent court rulings curtailing county jurisdiction over pesticide use, genetically modified organisms, and land management. If you wait, our children will breathe in the fallout for generations to come. Mahalo for the opportunity to testify in support of this bill.

Sincerely,
Kris Coffield
Executive Director
IMUAlliance



Senate Committee on Ways and Means

Board of Directors:

Hawai'i Alliance for Progressive Action strongly supports: SB778

Gary L. Hooser
President

Dear Chair Tokuda, Vice Chair Dela Cruz and members of the committee,

Andrea N. Brower
Joshua D. I. Mori
Co-Vice Presidents

My name is Anne Frederick and I am the Executive Director for the Hawai'i Alliance for Progressive Action (HAPA). HAPA is a statewide environmental, social and economic justice organization. HAPA emerged out of the community-led movement on Kaua'i to enact greater regulations around pesticide use and disclosure, which led to the passage of Bill 2491. HAPA's fair and sustainable food systems work focuses on protecting Hawai'i's environment and the health of its residents from the potentially harmful pesticide impacts. HAPA engages over 10,000 local residents annually through our work. We thank you for scheduling this hearing.

Ikaika M. Hussey
Treasurer

Bianca K. Isaki
Secretary

I am writing in strong support of SB778 which appropriates \$3 million in general revenues to implement the findings of the Kauai Joint Fact Finding study group (JFFSG). These recommendations are the result of a year and a half in-depth exploration of the literature on the impacts of pesticide exposure. The report's recommendations are intended to guide Hawai'i lawmakers and leaders in their work to advance much-needed reforms.

Paul Achitoff

Malia K. Chun

The data gathered during the JFFSG process indicate that Kauai west side residents suffer from numerous health conditions at higher rates than residents living anywhere else on Kauai.

Bart E. Dame

Laura Harrelson

Kim Coco Iwamoto

These health conditions/indicators include: Developmental Delay (3 to 8 year olds), ADHD, Easter Seals Enrollment (age 0 to 3), Infant Mortality, Mothers Pre-Existing Health Conditions, Cancer Mortality, Stroke Mortality, Admissions for Bacterial Pneumonia, COPD or Asthma (elderly), Dialysis Patients (per 1,000) and other disabilities.

Katie McMillan

Walter Ritte Jr.

These are all conditions or health indicators in which the incidence of occurrence by people living on the west side exceed all other Kaua'i communities.

Karen Shishido

Leslie Malu Shizue Miki

Kekaulike Prosper Tomich

Cade Watanabe

The Hawai'i Alliance for Progressive Action (HAPA) is a public non-profit organization under Section 501(c)(3) of the Internal Revenue Code. HAPA's mission is to catalyze community empowerment and systemic change towards valuing 'aina (environment) and people ahead of corporate profit.



It is important to note that due primarily to the presence of 4 large research based agrochemical companies, the annual pesticide use both in terms of quantity and variety is greater on the West Side of Kauai than in any other community in Hawaii.

The JFFSG's report urges the Hawai'i Governor, state lawmakers, and several state agencies to work in collaboration to better protect residents from exposure to harmful chemicals in the air and water, and to improve the monitoring of both pesticides and chronic illnesses associated with pesticide exposure. The report also calls for the implementation of a consistent, no-spray buffer policy around sensitive areas like schools to protect children from pesticide drift, and mandatory public disclosure of pesticide use by large agribusinesses throughout the state. We feel these regulatory actions should be the priority of this initiative as only regulation will adequately protect the families who live, work, and play next to these operations

This is why it is critical that the JFFSG recommendations actually be funded and implemented by the State. The comprehensive and regular testing of soil, air and water is essential to determining the potential health risk associated with the pesticide use and drift that we know is occurring.

SB778 is a critical component necessary in fulfilling the objectives and recommendations contained within the State sponsored JFFSG and I strongly encourage this committee to pass this measure.

Best Regards,

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



HCIA 2016 - 2018 Board of Directors

President

Alan Takemoto

Vice-President

Joshua Uyehara

Secretary

Dawn Bicoy

Treasurer

Laurie Yoshida

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Richard McCormack

Dan Clegg

President Emeritus

Kirby Kester

Executive Director

Bennette Misalucha

OUR MISSION

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

TESTIMONY FROM BENNETTE MISALUCHA, EXECUTIVE DIRECTOR

**In Opposition to SB 778
Relating to Pesticides
Appropriate Funds to Implement Recommendations
of the Kauai Joint Fact Finding Committee**

SENATE COMMITTEE ON WAYS AND MEANS

February 24, 2017, 1:30 p.m.

Conference Room 211

Chair Tokuda and members of the committees:

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

HCIA **opposes SB 778**, which seeks to appropriate funds to implement the recommendations of the Kauai Joint Fact Finding (JFF) Committee.

Foremost, HCIA supports the legislature fully funding the Hawaii Department of Agriculture (HDOA). We have confidence in their ability to scientifically assess and implement the appropriate measures required to ensure that both public health and the environment are protected.

Our primary concern is that the JFF's findings do not support the report's recommendations. To follow are the key conclusions:

- There is no evidence of health or environmental impacts associated with the industry's pesticide use.
- Incidence of cancer among the island's population in areas rumored to be contaminated by the use of pesticides was similar to or lower than that of the rest of the state.
- Two incidents of purported pesticide exposure at Waimea Canyon Middle School were found not to be pesticide related.
- Kauai's seed companies were responsible for less than 25 percent of restricted use pesticide (RUP) use on the island.

In addition to the JFF, numerous other studies and investigations further outline why the recommendations listed in the JFF report are overreaching:



- A Hawaii Department of Agriculture Pesticide Branch investigation into 16 school evacuations over 8 years due to complaints about pesticides found that none of the incidents were due to activities of seed companies.¹
- A report prepared by the Hawaii Tumor Registry for the Hawaii State Department of Health (HDOH) concluded that there is no evidence of higher incidence of cancer on the island of Kauai overall or for specific geographic regions of the island, as compared to the state of Hawaii.²
- A State Department of Health study of 136 different pesticides in surface water samples from 24 sites across the state found only a trace detection of pesticides, with the majority representing minute concentrations that fall far below state and federal benchmarks for human health and ecosystems.³
- In 2016, the Kauai Department of Water tested four water sources for pesticides and found no detectable levels of any of the 525 pesticides/herbicides, including chlorpyrifos. The independent lab also reviewed the Department's 2015 testing of several other on-island water sources, and found the same results.⁴

The Hawaii Department of Agriculture has the authority and expertise to promulgate additional pesticide regulations to protect the public if it determines that further regulations are warranted. It is our hope that both HDOA and HDOH will be properly engaged to assess the recommendations of the Joint Fact Finding Committee and prioritize any implementation, based on scientific fact and available resources.

It is for these reasons that we respectfully ask that this bill be deferred.

Respectfully submitted,

Bennette Misalucha
Executive Director

¹ Memorandum to Scott E. Enright, Chairperson, Board of Agriculture from Ken H. Kakesako, Legislative Coordinator regarding Information Requested by School Evacuations Due to Pesticide Drift (March 3, 2015)

² Kauai Cancer Cases Report, prepared by the Hawaii Tumor Registry for the Hawaii State Department of Health (April 2013 / revised September 2013)

³ Letter from Gary Gill, Deputy Director, Environmental Health, Hawaii Department of Health regarding synopsis of statewide scan to identify presence of pesticides in environment (May 20, 2014)

⁴ Memo from Kirk Saiki, Manager-Chief Engineer, Department of Water County of Kauai to Councilmember Gary Hooser regarding request for data regarding testing for chlorpyrifos (March 29, 2016)

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 23, 2017 5:58 AM
To: WAM Testimony
Cc: alan@prloffice.com
Subject: *Submitted testimony for SB778 on Feb 24, 2017 13:30PM*

SB778

Submitted on: 2/23/2017

Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
Alan Gottlieb	Ponoholo Ranch Limited	Oppose	No

Comments:

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

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e-mail info@hfbf.org; www.hfbf.org

February 24, 2017

HEARING BEFORE THE
SENATE COMMITTEE ON WAYS AND MEANS

TESTIMONY ON SB 778
RELATING TO PESTICIDES

Room 211
1:30 pm

Aloha Chair Tokuda, Vice Chair Dela Cruz, 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 opposes SB 778, to appropriate funds to implement the recommendations of the joint fact finding study group's report on pesticide use by large agribusinesses on Kauai.

At a time of scarce State resources but many valid and competing needs for funding, the proposed **6 million dollar** allocation to implement the scientifically unwarranted and roundly criticized JFF's recommendations that did not even comport with the group's own study findings, does not appear to be justifiable.

In fact, the standing committee (AEN) that last reviewed this bill, found that the Kauai study group arrived at the following conclusions regarding health and environmental impacts on the west side of Kauai:

(1) The Kauai health data examined is very limited and does not show a causal relationship between the pesticides used by the seed companies and health problems found on the west side or any other part of Kauai; and

(2) There needs to be additional data gathering going forward to continue to demonstrate the impacts of agricultural pesticide use.

As detailed below, this recommendation is already being implemented by the DOA.

JFF's recommendations are not a logical result of its findings

Despite the fact that the JFF group was mainly comprised of community members who came into the process already believing that large agriculture was causing problems on the west side of Kauai and who carefully scrutinized every available source of information regarding pesticide usage there, including studies, data, and public input, the group arrived at the following conclusions regarding health and environmental impacts on the west side of Kauai:

- The Kauai health data **does not** show a causal relationship between pesticides used by the seed companies and health problems found on the west side or any other part of Kauai.
- There is **no evidence** that shows causality between seed companies' pesticide use and any harm to Kauai's flora and fauna.
- Data gathering should continue.

DOA has taken significant action to address the JFF recommendations

Both DOA and DOH have already initiated activities to address the JFF group's recommendations to assess existing environmental data and identify gaps in information required to make informed policy decisions. To determine what activities would offer the greatest benefit to local communities, they sought guidance from and formed partnerships with federal, state and research partners including: U.S. Geological Survey, U.S. EPA and the Migrant Clinicians Network, Agency for Toxic Substances and Disease Registry (ATSDR), Western States Pediatric Environmental Health Specialty Unit, Hawaii Poison Control Center, Hawaii Birth Defects Registry, John A. Burns School of Medicine, University of Hawaii School of Nursing, Hawaii Emergency Physicians Association, and Kauai Veteran's Memorial Hospital.

The result of this collaboration with experts was to initiate programs to increase environmental sampling, conduct interagency emergency response exercises for pesticide incidents, and increase public health education and outreach.

1. Recent environmental monitoring of air, surface water, drinking water, and sediment has shown that there is no threat to people or wildlife from agricultural pesticides. However, to obtain more data, DOH has contracted with the U.S. Geological Survey and it is currently conducting a \$500,000 comprehensive pesticide surface water quality monitoring project over two years, with DOH providing technical and scientific assistance.
2. To train first responders to be adequately prepared in the case of a pesticide emergency, interagency pesticide tabletop exercises will be conducted in each county through the Hawaii State Emergency Response Commission with other organizations including Fire Departments, HAZMAT, Emergency Medical Services, Department of Education, Hawaii Occupational Safety and Health (HIOSH) and other county representatives.
3. Public health education and outreach is being conducted. A team from DOH has already met with Kauai physicians to resolve birth defects registry discrepancies, noted in the JFF. Since the majority of pesticide exposures reported to Poison Centers nationwide and the Hawaii Poison Center occur *in the home* and not from large-scale agricultural incidents, DOA is re-starting its "Pesticide Poisoning Prevention Services for Households" outreach program to educate families and communities about how to better protect their children and how to reach out for help in the event of potential exposure. Physicians and other healthcare professionals are being helped to recognize and manage pesticide incidents and

a children's environmental health symposium on Oahu is planned for March 2017. DOH is also working with the Hawaii Poison Center to offer Hawaii-specific information on how to report and respond to pesticide exposure through a free hotline service, operated by medical professionals 24/7. DOH conducted an Emergency Medical Services/physician training on hazardous chemicals in partnership with Kapiolani Community College and the Louisiana Poison Center with participants attending from all islands. Additional pesticide-specific trainings for each of the counties are currently being developed.

4. The "Good Neighbor Program" that more stringently restricts farmers' use of pesticides than programs in any other state has been extended from Kauai statewide.

Upgrading DOA pesticide programs

HFB supports a robust pesticide regulatory program under the Department of Agriculture, as delegated by the U.S. EPA. To that end, we respectfully suggest that DOA receive adequate funding and positions to accomplish its duties. We also support the reasonable increase of pesticide licensing fees and the removal or raising of the Pesticide Use Revolving Fund cap on what DOA can retain to support its programs. As the safe use of pesticides is a priority within the department, funding should be allocated to programs found to require more attention: pesticide education for the general public and for immigrant farmers, and improvements made to liaison with and augment the complementary University of Hawaii CTAHR's Pesticide Safety Education Program.

HFB is concerned that, along with other pressures that make farming in Hawaii 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, while providing no additional safety for our communities.

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.



February 24, 2017

The Honorable Jill N. Tokuda
Chair, Senate Committee on Ways and Means
Hawaii Senate
Hawaii State Capitol, Room 207
Honolulu, HI 96813

RE: SB 778; RELATING TO PESTICIDES

Dear Chairman Tokuda:

On behalf of the Western Plant Health Association (WPHA), please accept our comments on SB 778, which would allocate \$3,000,000 to implement the recommendations of the Kauai Joint Fact Finding (JFF) Committee. WPHA represents the interests of fertilizer and pesticide manufacturers, agricultural biotechnology providers, and agricultural retailers in Hawaii, California, and Arizona.

WPHA supports the legislature providing the Hawaii Department of Agriculture with the financial tools to conduct scientifically valid assessments in the use of pesticides that HDOA determines is needed to insure public and environmental safety. WPHA is concerned that SB 778 appears to infer that HDOA should undertake all of the recommendations of the JFF. While WPHA appreciates the efforts of all the volunteers who participated on the JFF, the findings of the JFF study do not reflect the recommendations of all committee members. WPHA requests that language be added to SB 778 that clarifies that in the allocation of the funding, that HDOA with consultation from its appropriate sister agencies, will determine which scientifically valid recommendations should be implemented, as well as prioritizing any project implementation.

WPHA supports providing HDOA with resources to further determine and implement the scientifically valid recommendations of SB 778 and to enhance the efforts of DOA in assuring that all pesticide products are assessed and used safely. We thank the committee for its commitment in helping HDOA fulfill its mandate. We thank you for your consideration of our comments.

Sincerely,

A handwritten signature in black ink, appearing to read "Renee Pinel", written in a cursive style.

Renee Pinel
President/CEO

From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 22, 2017 2:55 PM
To: WAM Testimony
Cc: dale@hicattle.org
Subject: *Submitted testimony for SB778 on Feb 24, 2017 13:30PM*

SB778

Submitted on: 2/22/2017

Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
Dale Sandlin	Hawaii Cattlemens Council	Oppose	No

Comments:

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

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Senate Committee on Ways and Means

Hawai'i Center for Food Safety strongly supports: SB778

Dear Chair Tokuda, Vice Dela Cruz and members of the committee,

My name is Dr. Ashley Lukens and I am the Director for the Hawaii 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 820,000 farmer and consumer members across the country, including nearing 11,000 in Hawai'i. On behalf of CFS and our members, I thank you for the opportunity to speak to you today regarding this important bill.

CFS has been dedicated to addressing the human health and environmental impacts of our increased reliance on pesticide use in 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 2006-2016.

I am writing in strong support of SB778 which appropriates \$3 million in general revenues to implement the findings of the Kauai Joint Fact Finding study group. These recommendations are the result of a year and a half in-depth exploration of the literature on the impacts of pesticide exposure. The report's recommendations are intended to guide Hawai'i lawmakers and leaders in their work to advance much-needed reforms. The JFFSG's pivotal report urges the Hawai'i Governor, state lawmakers, and several state agencies to work in collaboration to better protect residents from exposure to harmful chemicals in the air and water, and to improve the monitoring of both pesticides and chronic illnesses associated with pesticide exposure. **The report also calls for the implementation of a consistent, no-spray buffer policy around sensitive areas like schools to protect children from pesticide drift, and mandatory public disclosure of pesticide use by large agribusinesses throughout the state.** We feel these regulatory actions should be the priority of this initiative as only regulation will adequately protect the families who live, work, and play next to these operations.

NATIONAL HEADQUARTERS

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Children can be exposed to pesticides applied on school grounds, pesticides that drift onto school grounds from neighboring agricultural lands, or from pesticide residues.^{1,2} **It is critical that the state take action to reduce childhood pesticide exposure because toxic exposure to pesticides during fetal,³ neonatal,⁴ and infant life can disrupt critical developmental processes.**⁵ Early life pesticide exposure has been linked to long-term health effects including cancer,⁶ decreased cognitive function,^{7,8,9} behavior problems,^{10,11} birth defects and other adverse birth outcomes,^{12,13} and asthma.¹⁴

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

² Goldman P, Brimmer JK and Ruiz V. 2009. "Pesticides in the Air – Kids at Risk: Petition to EPA to protect children from pesticide drift," *Earth Justice and Farmworker Justice*, October 2009.

³ Rull RP, Gunier R, Von Behren J, Hertz A, Crouse V, Buffler PA, and Reynolds P. 2009. Residential Proximity to Agricultural Pesticide Applications and Childhood Acute Lymphoblastic Leukemia. *Environmental Research*, 109(7): 891-899.

⁴ Chevrier C, Limon G, Monfort C, Rouget F, Garlantezec R, Petit C, Durand G, and Cordier A. 2011. Urinary Biomarkers of Prenatal Atrazine Exposure and Adverse Birth Outcomes in the PELAGIE Birth Cohort. *Environmental Health Perspectives*, 119(7): 1034-1041.

⁵ Shelton, JF et al. 2014. Neurodevelopmental Disorders and Prenatal Residential Proximity to Agricultural Pesticides: The CHARGE Study. *Environmental Health Perspective*, 122(10): 1103-1110.

⁶ Infante-Rivard C, Labuda D, Krajinovic M, Sinnott D. 1999. Risk of childhood leukemia associated with exposure to pesticides and with gene polymorphisms. *Epidemiology* 10(5): 481-487.

⁷ Rauh V, Arunajadai S, Horton M, et al. 2011. Seven-year neurodevelopmental scores and prenatal exposure to chlorpyrifos, a common agricultural pesticide. *Environ Health Perspect*. 119(8): 1196–1201.

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

⁹ Engel SM, Wetmur J, Chen J, et al. 2011. Prenatal exposure to organophosphates, paraoxonase 1, and cognitive development in childhood. *Environ Health Perspect*. 119(8): 1182–1188.

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

¹¹ Bouchard MF, Bellinger DC, Wright RO, Weisskopf MG. 2010. Attention-deficit/hyperactivity disorder and urinary metabolites of organophosphate pesticides. *Pediatrics*. 125(6). Available at: www.pediatrics.org/cgi/content/full/125/6/e1270.

¹² Garry VF, Harkins ME, Erickson LL, Long-Simpson LK et al. 2002. Birth Defects, Season of Conception, and Sex of Children Born to Pesticide Applicators Living in the Red River Valley of Minnesota, USA. *Environmental Health Perspectives* 110 (Suppl. 3): 441-449.

¹³ Garry VF, Harkins ME, Erickson LL, Long-Simpson LK et al. 2002. Birth Defects, Season of Conception, and Sex of Children Born to Pesticide Applicators Living in the Red River Valley of Minnesota, USA. *Environmental Health Perspectives* 110 (Suppl. 3): 441-449.

¹⁴ Salam MT, Li YF, Langholz B, Gilliland FD; Children's Health Study. 2004. Early-life environmental risk factors for asthma: findings from the Children's Health Study. *Environ Health Perspect*. 112(6): 760–765.

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

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 fathers²⁵.

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

¹⁶ Roberts EM, English PB, Grether JK, Windham GC, Somberg L, Wolf C (2007) Maternal Residence near Agricultural Pesticide Applications and Autism Spectrum Disorder among Children in the California Central Valley. *Environmental Health Perspectives* 115(10): 1482-1489.

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

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

¹⁹ Infante-Rivard C, Labuda D, Krajcinovic M, Sinnett D (1999) Risk of childhood leukemia associated with exposure to pesticides and with gene polymorphisms. *Epidemiology* 10(5): 481-487.

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

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

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

²³ Salam MT, Li YF, Langholz B, Gilliland FD, Children’s Health Study (2004) Early life environmental risk factors for asthma: findings from the Children’s Health Study. *Environmental Health Perspective* 112(6): 760–765.

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

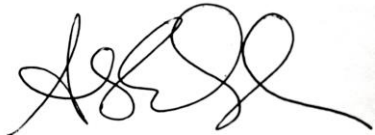
²⁵ van Wijngaarden E, Stewart PA, Olshan AF, Savitz DA, Bunin GR (2003) Parental occupational exposure to pesticides and childhood brain cancer. *American Journal of Epidemiology* 157 (11): 989–997.

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. The state has spent \$200,000 studying this issue in order for it to take informed action. THE TIME FOR THAT ACTION IS NOW.

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,

A handwritten signature in black ink, appearing to read 'Ashley Lukens', written over a light blue horizontal line.

Ashley Lukens, PhD
Director, Hawaii Center for Food Safety

LATE

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 23, 2017 11:43 PM
To: WAM Testimony
Cc: ofstone@aol.com
Subject: Submitted testimony for SB778 on Feb 24, 2017 13:30PM

SB778

Submitted on: 2/23/2017

Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
Jeri Di Pietro	GMO Free Kaua'i	Support	Yes

Comments: Aloha Committee and Committee Chair, Mahalo for hearing SB778. The many supporters of GMO Free Kaua'i strongly agree that the Joint Fact Finding Group Report and Recommendations should be carried out on each island. This proper monitoring is long overdue. The JFF group was a well facilitated and thoughtfully conducted. This is a very good bill. As our Island Chain is ground zero for open air experimentation of herbicide tolerant, pesticide producing and insecticidal coated patented seeds, with more permits than any other place on Earth, occupying on our prime ag land without disclosure, it is only prudent to implement these recommendations so that we can be informed. From the Governor, the state reps, mayors, doctors, citizens and visitors should be aware of unintended consequences. Mahalo and please support these reasonable and well determined recommendations. There is no reason to wait to pursue data to ensure we do no harm. With aloha for the 'aina, Jeri Di Pietro and GMO Free Kaua'i

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

In opposition to SB 778 – Relating to Pesticides

Friday, Feb. 24, 1:30 pm – Senate Committee on Ways and Means

Aloha Chair Tokuda and members of the committee,

CropLife America (CLA) represents the manufactures and registrants of pesticide products that are used for agriculture production. We and our farmers are committed to using these valuable crop protection products in a manner that is safe for agricultural community as well as our neighbors. We are opposed to SB 778.

In a December press statement, the State Department of Agriculture (DOA) reported on three statewide initiatives including environmental sampling, interagency emergency response exercises for pesticide incidents, and public health education and outreach. The DOA is working closely with the Department of Health and other state, county and federal agencies to get these initiatives underway. A \$3,000,000 appropriation from the DOA's budget to address only the needs of Kauai is excessive given the competing priorities of the DOA which includes statewide water sampling and voluntary expansion of the Good Neighbor Program. Rather we would support the provisions of SB 346, which increases the fees of the pesticide manufactures and directs the resources to the DOA's regulatory, compliance and monitoring activities through the state. We believe this is a more fiscally viable and meaningful directive for the Dept. of Ag.

Mahalo for your consideration.

LATE

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 23, 2017 9:16 PM
To: WAM Testimony
Cc: mark@marksheehan.com
Subject: Submitted testimony for SB778 on Feb 24, 2017 13:30PM

SB778

Submitted on: 2/23/2017

Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
Mark Sheehan	SHAKA MOVEMENT	Support	No

Comments: ON BEHALF OF THE 23,400 MAUI COUNTY CITIZENS WHO SUPPORTED THE GMO MORATORIUM, I URGE PASSAGE OF THIS BILL AS A BASIC STEP TO ESTABLISHING MINIMUM PROTECTIONS FOR THE PUBLIC AND A BETTER UNDERSTANDING OF HOW PESTICIDE USE CAN AND DOES IMPACT CHILDREN AND ADULTS EXPOSED TO THEM.

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LATE

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 23, 2017 8:58 PM
To: WAM Testimony
Cc: erika.lechugadisalvo@gmail.com
Subject: *Submitted testimony for SB778 on Feb 24, 2017 13:30PM*

SB778

Submitted on: 2/23/2017
Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
Erika Lechuga Disalvo	Individual	Support	No

Comments:

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LATE

BEFORE THE COMMITTEE ON WAYS AND MEANS

Hawaii State Legislature
February 24, 2017

Senate Bill No. 778
Relating to Pesticides

Aloha Chair Tokuda. Vice Chair Dela Cruz and Members of the Committee,

The Ka Lāhui Hawai'i Political Action Committee (KPAC) strongly supports the SB 778 which makes an appropriation to implement the recommendations of the joint fact finding study group's report on pesticide use by large agribusinesses on Kauai. This report calls for the implementation of a consistent, no-spray buffer policy around sensitive areas like schools to protect children from pesticide drift, and mandatory public disclosure of pesticide use by large agribusinesses throughout the state.

Large scale spraying pesticide operations in West Kaua'i and on Moloka'i are near Kanaka Maoli (aka Native Hawaiian) communities - one of which has the largest population of pure blooded Kanaka Maoli and native speakers in Hawaii. With no adequate protective measures for frequent long term exposure this is nothing less than genocide of Hawaii's native peoples.

Furthermore, as native peoples Kanaka Maoli have a familial and reciprocal relationship with the land. The spraying of pesticides that sink into our soil, water, and drift on the wind contradicts our value of Aloha 'Āina that has sustained Kanaka Maoli for two thousand years on these islands.

Respectfully submitted,

M. Healani Sonoda-Pale
Chair, KPAC

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 23, 2017 3:50 PM
To: WAM Testimony
Cc: choonjameshawaii@gmail.com
Subject: Submitted testimony for SB778 on Feb 24, 2017 13:30PM

SB778

Submitted on: 2/23/2017

Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
Choon James	Individual	Support	Yes

Comments: STRONGLY SUPPORT SB778 Please legislate in support and favor of public health for all our citizens. We all deserve clean air, clean soil, clean water, and clean food. We owe it to our children and our environment to be conscientious and responsible in these issues. Mahalo! Choon James Reference: Measure Title: RELATING TO PESTICIDES. Report Title: Pesticide Use; Large Agribusinesses; Appropriation (\$) Description: Makes an appropriation to implement the recommendations of the joint fact finding study group's report on pesticide use by large agribusinesses on Kauai.

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: Thursday, February 23, 2017 4:46 PM
To: WAM Testimony
Cc: tulsigreenlee@icloud.com
Subject: *Submitted testimony for SB778 on Feb 24, 2017 13:30PM*

SB778

Submitted on: 2/23/2017

Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

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

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 23, 2017 8:32 AM
To: WAM Testimony
Cc: feelfreetolisten@yahoo.com
Subject: Submitted testimony for SB778 on Feb 24, 2017 13:30PM

SB778

Submitted on: 2/23/2017

Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

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

Comments: I am a resident of Waimea, Kauai, Hawaii with small children. I support this bill. Please follow science and protect our keiki..

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

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From: mailinglist@capitol.hawaii.gov
Sent: Wednesday, February 22, 2017 11:25 PM
To: WAM Testimony
Cc: ashman.janet@gmail.com
Subject: Submitted testimony for SB778 on Feb 24, 2017 13:30PM

SB778

Submitted on: 2/22/2017

Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
J Ashman	Individual	Oppose	No

Comments: Funding should not be allocated to this. DOA is already conducting data collection via USGS and is also implementing other reasonable measures to address concerns about pesticides. The proposed \$6 million dollar cost to implement unwarranted JFF recommendations is absurd.

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: [danya hakeem](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 3:43:34 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

Children can be exposed to pesticides sprayed on school grounds and those that drift from neighboring agricultural lands. Children exposed to restricted used pesticides are at a risk of disabilities like autism and ADHD, leukemia, and asthma. Toxic exposure to pesticides from while in the womb to early years has been linked to long-term health effects including cancer, behavior problems, birth defects and asthma. Studies suggest an increased risk of brain tumors and brain cancer. Buffer zones around sensitive areas such as schools and hospitals makes sense as a place to begin protecting the public.

The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals.

Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

danya hakeem
743 18th ave
Honolulu, HI 96816

From: [Carl Yeatts](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 4:06:57 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

Children can be exposed to pesticides sprayed on school grounds and those that drift from neighboring agricultural lands. Children exposed to restricted used pesticides are at a risk of disabilities like autism and ADHD, leukemia, and asthma. Toxic exposure to pesticides from while in the womb to early years has been linked to long-term health effects including cancer, behavior problems, birth defects and asthma. Studies suggest an increased risk of brain tumors and brain cancer. Buffer zones around sensitive areas such as schools and hospitals makes sense as a place to begin protecting the public.

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Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Carl Yeatts
Loulou pl
Makawao, HI 96768

From: [Mailyn Gabold](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 4:48:01 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

Hello , I live in west side Kauai , the smell of the pesticides, herbicide are so strong they smell like burning rubber, not pleasant. Some times the last for a week or they spraying too often , how is possible they are allow to do that so close to residence areas and national park ? Is just for money I guess... anyways , I hope this situation change is not good , for people to breathe and the soil there... when rain , the earth does not smell like wet soil, smells like poison soil... is really horrible, some times when the smell is really strong make me headaches for days, bleed nose.

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

Children can be exposed to pesticides sprayed on school grounds and those that drift from neighboring agricultural lands. Children exposed to restricted use pesticides are at a risk of disabilities like autism and ADHD, leukemia, and asthma. Toxic exposure to pesticides from while in the womb to early years has been linked to long-term health effects including cancer, behavior problems, birth defects and asthma. Studies suggest an increased risk of brain tumors and brain cancer. Buffer zones around sensitive areas such as schools and hospitals makes sense as a place to begin protecting the public.

The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals.

Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Mailyn Gabold
Kekaha rd
Kekaha, HI 96752

From: [AnneMarie Call](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 4:53:07 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

Children can be exposed to pesticides sprayed on school grounds and those that drift from neighboring agricultural lands. Children exposed to restricted used pesticides are at a risk of disabilities like autism and ADHD, leukemia, and asthma. Toxic exposure to pesticides from while in the womb to early years has been linked to long-term health effects including cancer, behavior problems, birth defects and asthma. Studies suggest an increased risk of brain tumors and brain cancer. Buffer zones around sensitive areas such as schools and hospitals makes sense as a place to begin protecting the public.

The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals.

Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

AnneMarie Call
3470 Woodside lane
San Jose, CA 95121

From: [Anna Robertson](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 4:53:22 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals.

Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Anna Robertson
P.O. Box 520
Eleele, HI 96705

From: [Ara Call](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 4:54:28 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Ara Call
3470 Woodside lane
San Jose, CA 95121

February 24, 2017
Room 211
1:30 pm

SENATE COMMITTEE ON AGRICULTURE AND ENVIRONMENT
TESTIMONY ON SB 778: RELATING TO PESTICIDES

Chair Tokuda, Vice Chair Dela Cruz and Members of the Senate Committee:

My name is Sarah Styran and I am a resident of Hanapepe on the west side of Kauai.

I do not support SB 778.

The recommendations of the Kauai Joint Fact Finding group are not warranted or consistent with the findings of the report. **I am very familiar with the report and recommendations because I was a member of the JFF group.**

Having participated in the year plus-long review of all data, reports, interviews, field visits, and other information, I would like to make it very clear that the report recommendations were actually written in August of 2015, **well before the group even completed its investigation and report.**

When the JFF group completed the draft report, I raised the issue that the previously drafted recommendations did not match our findings; however, the facilitator Peter Adler *insisted* that we had agreed to the recommendations months ago **and they would not be revisited or changed** to accommodate what the group had learned. This was extremely disturbing.

The JFF group also received a lot of feedback from the community and experts when the draft report was released for public comment. Many reviewers noted that the recommendations were not consistent with the findings of the report. Among these were the Hawaii Department of Health, as well as the Hawaii Department of Agriculture. Despite this feedback, much of which was from experts in the fields of health, agriculture, epidemiology, and scientific research, Mr. Adler and some of the JFF participants did not want to change the recommendations to ensure that they were consistent with the findings. This was alarming since participants were previously promised that relevant comments from experts and the public would be taken into consideration and the report would be modified accordingly.

As a scientist, with a doctorate in a directly relevant field, I was astonished and sorely disappointed that the JFF group chose to ignore the excellent feedback from the many professionals who took the time to carefully review our citizen-group's work. It was one of the reasons that after more than a year of painstaking work combing through data and evidence, I

decided to resign from the JFF group rather than put my name and reputation on this document.

As you consider this bill, I hope that you will take the JFF report and recommendations for what they are -- a vehicle for the pre-ordained and unsupported recommendations of its biased membership -- rather than what they should have been -- a good-faith effort to determine facts and develop recommendations to assist our community in making sound and well-informed policy decisions.

Since the report came out, I have followed the response by the Hawaii Department of Agriculture and I was pleased that the agency and others, are already taking significant steps to address public concerns about pesticides. I sincerely believe that there are many more constructive ways that the State of Hawaii could use \$3 million dollars per year, over two years, to support community health while also supporting agriculture in Hawaii.

If you have questions for me, please feel free to contact me via email at sarah.styan@hawaiiantel.net

Thank you for this opportunity to testify.

Sincerely,

Sarah Styan

From: [Ann Evans](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 5:45:33 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals.

Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Ann Evans
Makani Rd
Makawao, HI 96768

From: [Lauren Ampolos](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 5:47:20 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

Children can be exposed to pesticides sprayed on school grounds and those that drift from neighboring agricultural lands. Children exposed to restricted used pesticides are at a risk of disabilities like autism and ADHD, leukemia, and asthma. Toxic exposure to pesticides from while in the womb to early years has been linked to long-term health effects including cancer, behavior problems, birth defects and asthma. Studies suggest an increased risk of brain tumors and brain cancer. Buffer zones around sensitive areas such as schools and hospitals makes sense as a place to begin protecting the public.

The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals.

Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Lauren Ampolos
111 hekiki st Kailua hi 96734
Kahului, HI 96732

From: [Briana Hurley](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 5:49:54 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals.

Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Briana Hurley
Kauauala rd
Lahaina, HI 96761

From: [Kimberly Dukes](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 5:50:10 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals.

Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Kimberly Dukes
1774 Na'alaie rd
Kula, HI 96790

From: cora.grether
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 5:55:46 PM



Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

Children can be exposed to pesticides sprayed on school grounds and those that drift from neighboring agricultural lands. Children exposed to restricted used pesticides are at a risk of disabilities like autism and ADHD, leukemia, and asthma. Toxic exposure to pesticides from while in the womb to early years has been linked to long-term health effects including cancer, behavior problems, birth defects and asthma. Studies suggest an increased risk of brain tumors and brain cancer. Buffer zones around sensitive areas such as schools and hospitals makes sense as a place to begin protecting the public.

The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals.

Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

cora grether
80 haele pl., makawao
maui, HI 96768

From: [Julie Lewis](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 6:14:11 PM

LATE

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals.

Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Julie Lewis
412 Kinaole Circle #A
Kihei, HI 96753

LATE

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 23, 2017 6:22 PM
To: WAM Testimony
Cc: kianamar73@gmail.com
Subject: *Submitted testimony for SB778 on Feb 24, 2017 13:30PM*

SB778

Submitted on: 2/23/2017
Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
Diane Marshall	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.

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From: [Laura Ramirez](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 6:31:21 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

Children can be exposed to pesticides sprayed on school grounds and those that drift from neighboring agricultural lands. Children exposed to restricted used pesticides are at a risk of disabilities like autism and ADHD, leukemia, and asthma. Toxic exposure to pesticides from while in the womb to early years has been linked to long-term health effects including cancer, behavior problems, birth defects and asthma. Studies suggest an increased risk of brain tumors and brain cancer. Buffer zones around sensitive areas such as schools and hospitals makes sense as a place to begin protecting the public.

The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals.

Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Laura Ramirez
1041 Rose Drive
Benicia, CA 94510

From: [Judith Carroll](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 6:34:20 PM



Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

Children can be exposed to pesticides sprayed on school grounds and those that drift from neighboring agricultural lands. Children exposed to restricted used pesticides are at a risk of disabilities like autism and ADHD, leukemia, and asthma. Toxic exposure to pesticides from while in the womb to early years has been linked to long-term health effects including cancer, behavior problems, birth defects and asthma. Studies suggest an increased risk of brain tumors and brain cancer. Buffer zones around sensitive areas such as schools and hospitals makes sense as a place to begin protecting the public.

The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals.

Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Judith Carroll
711 kumulani dr
Kihei, HI 96753

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 23, 2017 6:35 PM
To: WAM Testimony
Cc: tampaltin@gmail.com
Subject: Submitted testimony for SB778 on Feb 24, 2017 13:30PM



SB778

Submitted on: 2/23/2017

Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
Tamara Paltin	Individual	Support	No

Comments: The results of these studies are so critical to The long term health of our families and communities. More and more people are suffering from cancer and other chronic diseases and at younger ages. This monies are needed to implement the studies. Please help our communities to protect ourselves this is not to ruin corporations but to ensure things are done in a correct way for future generations.

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: Thursday, February 23, 2017 6:36 PM
To: WAM Testimony
Cc: elif.beall@gmail.com
Subject: Submitted testimony for SB778 on Feb 24, 2017 13:30PM

SB778

Submitted on: 2/23/2017

Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

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

Comments: I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group, a State and County-sponsored 15-month study which published its final Recommendations last May. As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations. Children can be exposed to pesticides sprayed on school grounds and those that drift from neighboring agricultural lands. The American Academy of Pediatrics 2012 Report concluded that children exposed to restricted used pesticides are at a risk of disabilities like autism and ADHD, leukemia, and asthma. Toxic exposure to pesticides from while in the womb to early years has been linked to long-term health effects including cancer, behavior problems, birth defects and asthma. Studies suggest an increased risk of brain tumors and brain cancer. The AAP recommends buffer zones around sensitive areas such as schools and hospitals. The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals. Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts. It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place. I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

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the committee prior to the convening of the public hearing.

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LATE

From: [Barbara Barry](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 6:37:13 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals.

Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Barbara Barry
1220. W. Kuiaha Rd
Bothell, WA 98011

From: [Gretchen cates](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 6:37:50 PM

LATE

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals.

Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Gretchen cates
Palani rd
Kailua KONA, HI 96740

From: [Joanna Wheeler](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 6:59:10 PM



Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals.

Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Joanna Wheeler
Hekili
Kapaa, HI 96746

LATE

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 23, 2017 7:04 PM
To: WAM Testimony
Cc: jennahia@yahoo.com
Subject: Submitted testimony for SB778 on Feb 24, 2017 13:30PM

SB778

Submitted on: 2/23/2017

Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

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

Comments: I strongly support this bill. There is more than enough scientific evidence to show the acute and long term health effects of exposure to restricted use pesticides. It is imperative to legislate buffer zones to protect the elderly, the unborn, the keiki and those with sensitive immune systems. As a health care worker I have assisted patient with health complaints related to pesticide exposure and I urge you to pass this bill and work towards preventing health care crisis as well as environmental crisis (relating to the soil, air and water contamination.) Mahalo in Advance, Jennifer Noelani Ahia

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From: [Blake Watson](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 7:28:41 PM

LATE

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals.

Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Blake Watson
11-2160 Leila rd.
Glennwood, HI 96771

From: [Michael Pasco](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 7:36:27 PM



Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group, which as indicated in Chapter 3 of the report focused on 23 RESTRICTED USE PESTICIDES; chemicals officially recognized as public health risk. When these chemicals are tested and identified as only appropriate for RESTRICTED USE, they are tested individually, and not in combinations. This is concerning to me because whenever I go to the doctor and they prescribe chemicals as medication, they always ask what other medications I am taking, because as we know chemicals in combination can behave VERY DIFFERENTLY than individual chemicals. So the effects of these combinations, especially over time, and during developmental stages such as during childhood development is completely unknown.

My understanding is that one of the things they do in some of these open air test sites, is that they specifically test for "pesticide resistance." In other words, they are basically saying, "let's see just how much of these unstudied RESTRICTED USE pesticide combinations, this massive field of plants can take." And the only way they can find out what that ceiling is, would be to keep spraying and spraying and spraying until the plants show signs of damage or die. And when I look at industry spray logs, that is exactly the kind of behavior we see.

So in summary, it appears that this industry is very frequently applying, chemicals which individually are recognized as public health risks, in combinations which have never been studied, in amounts that damages and/or kill life forms which have been specifically modified to resist these exposures. And then the whole cycle may be repeated several times throughout the year... While those same unstudied chemical combinations are carried by tradewinds and runoff and continue to accumulate in our schools, where there are children who have NOT been modified to resist these RESTRICTED USE pesticides in unstudied combinations.

This is extremely concerning to community members, as we send our kids off to school every day, not knowing exactly what health issues this may cause for them in their lives, and what is especially disconcerting, is that public health officials and regulatory agencies don't know either, but the evidence certainly doesn't look good. The links with things like autism and ADHD, leukemia, and asthma aren't to be ignored. Toxic exposure to pesticides from while in the womb to early years has been linked to long-term health effects including cancer, behavior problems, birth defects and asthma. Studies suggest an increased risk of brain tumors and brain cancer. Buffer zones around sensitive areas such as schools and hospitals makes sense as a place to begin protecting the public. Therefore I am in support of any measures to keep these RESTRICTED USE PESTICIDES away from our keiki and kupuna in particular, which is why I strongly support SB778.

Mahalo nui loa

Michael Pasco
220-A Oe Street
Kihei, HI 96753

From: [Shary Gist](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 7:40:31 PM



Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals.

Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Shary Gist
182 mahina st
Kihei, HI 96753

LATE

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 23, 2017 7:42 PM
To: WAM Testimony
Cc: helgaonmaui@yahoo.com
Subject: *Submitted testimony for SB778 on Feb 24, 2017 13:30PM*

SB778

Submitted on: 2/23/2017
Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

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

Comments:

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LATE

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 23, 2017 7:52 PM
To: WAM Testimony
Cc: stephmanera@gmail.com
Subject: *Submitted testimony for SB778 on Feb 24, 2017 13:30PM*

SB778

Submitted on: 2/23/2017
Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
Stephanie Manera	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 23, 2017 7:53 PM
To: WAM Testimony
Cc: kamij9@gmail.com
Subject: Submitted testimony for SB778 on Feb 24, 2017 13:30PM

SB778

Submitted on: 2/23/2017
Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
kami carter	Individual	Support	No

Comments: We must take steps to ensure our communities are safe from harm. Our children deserve better. Please support this extremely important issue.

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From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 23, 2017 8:08 PM
To: WAM Testimony
Cc: holomuaorganics@gmail.com
Subject: Submitted testimony for SB778 on Feb 24, 2017 13:30PM

SB778

Submitted on: 2/23/2017

Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

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

Comments: Support this bill to protect the health and life of our community, environment and future generations.

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LATE

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 23, 2017 8:38 PM
To: WAM Testimony
Cc: naniomerod1@gmail.com
Subject: *Submitted testimony for SB778 on Feb 24, 2017 13:30PM*

SB778

Submitted on: 2/23/2017
Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
MaryAnn Omerod	Individual	Support	No

Comments:

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LATE

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 23, 2017 9:50 PM
To: WAM Testimony
Cc: foodsovereigntynow@gmail.com
Subject: *Submitted testimony for SB778 on Feb 24, 2017 13:30PM*

SB778

Submitted on: 2/23/2017

Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
Mitsuko Hayakawa	Individual	Support	No

Comments:

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LATE

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 23, 2017 10:19 PM
To: WAM Testimony
Cc: kalikoamona@gmail.com
Subject: Submitted testimony for SB778 on Feb 24, 2017 13:30PM

SB778

Submitted on: 2/23/2017

Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
Kaliko Amona	Individual	Support	No

Comments: Please support SB778 to protect our keiki!

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From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 23, 2017 10:45 PM
To: WAM Testimony
Cc: suzannakinsey@gmail.com
Subject: Submitted testimony for SB778 on Feb 24, 2017 13:30PM

SB778

Submitted on: 2/23/2017

Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
Suzanna Kinsey	Individual	Support	No

Comments: Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee: I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group. As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations. Children can be exposed to pesticides sprayed on school grounds and those that drift from neighboring agricultural lands. Children exposed to restricted used pesticides are at a risk of disabilities like autism and ADHD, leukemia, and asthma. Toxic exposure to pesticides from while in the womb to early years has been linked to long-term health effects including cancer, behavior problems, birth defects and asthma. Studies suggest an increased risk of brain tumors and brain cancer. Buffer zones around sensitive areas such as schools and hospitals makes sense as a place to begin protecting the public. The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals. Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts. It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place. I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure. Suzanna Kinsey

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From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 23, 2017 10:45 PM
To: WAM Testimony
Cc: ariannafeinberg@gmail.com
Subject: *Submitted testimony for SB778 on Feb 24, 2017 13:30PM*

SB778

Submitted on: 2/23/2017

Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

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

Comments:

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LATE

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 23, 2017 10:53 PM
To: WAM Testimony
Cc: akamaimom@gmail.com
Subject: Submitted testimony for SB778 on Feb 24, 2017 13:30PM

SB778

Submitted on: 2/23/2017

Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

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

Comments: Thank you for hearing and supporting SB778. Kauai worked very hard as a community to create protection for our island and rural Hawaii where most living is stretched along one road. The concern over pesticide drift is profound and people fear the risk of having and raising healthy children. Kauai's Joint Fact Finding Study determined there has been no tracking of health impacts, so the industry's claim that there is not proof of illness is because there is no data. If the industry is correct that they are not impacting their neighbors, that will be evident and the community can relax near the toxic use of Restricted Use Pesticides of their neighbors. More likely, the increased regulations and monitoring will enforce far greater care and hopefully a healthier business model. Oahu makes reckless choices for the neighbor islands and the counties have each worked hard to protect their citizens, but the courts have determined that it is the state's kuleana to enforce agricultural protection. So State of Hawaii, rise to that responsibility and protect the people and environment. Felicia Cowden Kilauea, Kauai

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LATE

From: mailinglist@capitol.hawaii.gov
Sent: Thursday, February 23, 2017 11:54 PM
To: WAM Testimony
Cc: wendygibson9@gmail.com
Subject: Submitted testimony for SB778 on Feb 24, 2017 13:30PM

SB778

Submitted on: 2/23/2017
Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

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

Comments: Please provide the financial tools needed by passing this bill. Mahalo.

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LATE

Aloha Committee Members,

I am testifying in strong support of SB778

I was one of the two physicians who served on the Joint Fact Finding task force. I am a board certified pediatrician and a former CEO of Wilcox Hospital on Kauai. Over a eighteen month period, the task force reviewed the world's literature on the issues of pesticides and health. In addition we reviewed the medical data and the Department of Education's data concerning the Westside communities which are potentially affected by large scale pesticide spraying

We found the following:

1. The American Academy of Pediatrics begins their 2012 policy statement on pesticides by stating clearly that there is "increasing concern" about "**low level exposure** on child health".
2. This increasing concern about low level and chronic exposures has been amplified by EPA reports and by numerous other medical societies and studies.
3. We found the Westside community to be one the least healthy communities in the state by many health measures.
4. Our concern was heightened by increases in developmental disorders in children in these Westside Communities as compared to the other communities on Kauai.
5. We also very clearly pointed out that due to the small population and the virtual lack of any environmental or biologic monitoring, we could not say with any certainty what was causing these adverse health findings.

6. Our conclusion was that if any community in Hawaii wanted to really know if they are being affected by pesticide exposure there needs to be adequate testing of the environment and of the population for pesticide exposure.
7. This monitoring should be funded and there should be oversight and coordination of these studies and other efforts by a balanced, science- oriented pesticide committee.
8. For this testing to be scientific it requires knowledge of what has been sprayed and where. Another of our recommendations is that the good neighbor policy be statewide, mandatory and audited.

I would also urge this committee to view pesticide exposure in the context of past environmental issues that were also initially minimized but subsequently found to be all too hazardous to health. I say this with particular regard to chlorpyrifos. It is a known neurotoxin and it is the second most heavily sprayed Restricted Use Pesticide on Kauai. Due to its toxicity the EPA has recommended its complete prohibition for agricultural use but until that motion becomes law its use will continue in proximity to our communities.

Thank you for consideration of my testimony.

Lee A. Evslin, MD Inc
levslin@gmail.com

LATE

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 24, 2017 12:46 AM
To: WAM Testimony
Cc: shannonkona@gmail.com
Subject: Submitted testimony for SB778 on Feb 24, 2017 13:30PM

SB778

Submitted on: 2/24/2017

Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
Shannon Rudolph	Individual	Support	No

Comments: Strongly Support! Hawai`i residents have been waiting years for legislators to take even the smallest step to protect those living closest to ag fields where massive amounts of mixed pesticides are sprayed. We should not have to beg for the smallest protections! I'm a 34 year Hawai`i resident; I'm furious at the inaction of our legislators to give us adequate buffer zones and disclosure of what is being sprayed on residents and visitors alike. Please follow the recommendations of the joint fact finding study group!

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From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 24, 2017 2:32 AM
To: WAM Testimony
Cc: edgarespero@gmail.com
Subject: *Submitted testimony for SB778 on Feb 24, 2017 13:30PM*



SB778

Submitted on: 2/24/2017

Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
Edgar Espero	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 24, 2017 4:07 AM
To: WAM Testimony
Cc: kimcoco@kimcoco.com
Subject: Submitted testimony for SB778 on Feb 24, 2017 13:30PM

SB778

Submitted on: 2/24/2017

Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
Kim Coco Iwamoto	Individual	Support	No

Comments: Testimony in STRONG SUPPORT of SB778. Please provide funding for the implementation of the recommendations of the JFF; great opportunity to affirm for the community that these JFF's are not just a waste of time, and debunk the myth that JFF bills are just a vehicle to pretend like the legislature is doing something. Thank you for putting our tax payer money "where our mouth is"; and putting some muscle in the hustle.

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LATE

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 24, 2017 6:18 AM
To: WAM Testimony
Cc: kauaihale@gmail.com
Subject: Submitted testimony for SB778 on Feb 24, 2017 13:30PM

SB778

Submitted on: 2/24/2017
Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
Louisa Wooton	Joint Fact Finding Group Member	Support	No

Comments: Aloha mai kakou Chair Tokuda, Vice Chair Dela Cruz, and members of the committee: My family has farmed on Kaua'i since 1979. I served as a member of the JFFG on Kaua'i for over one year. First of all, this bill is not anti-agriculture in any way. As a farmer, I do not oppose it. THE HDOA needs more funding and support to do its job in the area of pesticide regulation enforcement. The community needs more information about pesticides not only in agriculture but for all industrial uses of this class of chemicals. JFFG found that our biggest obstacle was lack of sufficient data to understand the impacts of pesticides in our community. Please support this Bill 778 which addresses the recommendations of a year-long, intensive, honest, and thorough investigation of what not only Kaua'i, but the other counties need to properly understand the impact of pesticides within the State. Me ke aloha, Louisa Wooton

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From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 24, 2017 8:20 AM
To: WAM Testimony
Cc: hokuokekai50@msn.com
Subject: Submitted testimony for SB778 on Feb 24, 2017 13:30PM

SB778

Submitted on: 2/24/2017
 Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

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

Comments: As a resident of Haleiwa I am testifying in strong support of SB778 which provides funding to implement the findings of the Kauai Joint Fact Finding (JFF) study group. Passage of SB778 supports the Key JFF Report Recommendations which includes “the Governor should support legislative requests for additional funding to implement the recommendations of this report” (page 93). As someone living near these large agro-chemical company operations and knowing families in Waialua who suffer from daily pesticide exposure, I am most concerned that public health impacts regarding long-term, chronic exposure to pesticides associated with these operations have not been properly or independently studied, and the JFF recommendation would “Establish New State Standards for “Chronicity” that take account of low level continuous exposure. I urge you to support SB778.

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LATE

From: mailinglist@capitol.hawaii.gov
Sent: Friday, February 24, 2017 8:33 AM
To: WAM Testimony
Cc: killpatrickrock@gmail.com
Subject: *Submitted testimony for SB778 on Feb 24, 2017 13:30PM*

SB778

Submitted on: 2/24/2017

Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
Doug Killpatrick	Individual	Support	No

Comments:

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LATE

From: [Karlin Serrato](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 7:43:16 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

Children can be exposed to pesticides sprayed on school grounds and those that drift from neighboring agricultural lands. Children exposed to restricted used pesticides are at a risk of disabilities like autism and ADHD, leukemia, and asthma. Toxic exposure to pesticides from while in the womb to early years has been linked to long-term health effects including cancer, behavior problems, birth defects and asthma. Studies suggest an increased risk of brain tumors and brain cancer. Buffer zones around sensitive areas such as schools and hospitals makes sense as a place to begin protecting the public.

The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals.

Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Karlin Serrato
214 Mahi Place
Kihei, HI 96753

From: [Cheryl Greenwood](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 7:44:00 PM



Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

Children can be exposed to pesticides sprayed on school grounds and those that drift from neighboring agricultural lands. Children exposed to restricted used pesticides are at a risk of disabilities like autism and ADHD, leukemia, and asthma. Toxic exposure to pesticides from while in the womb to early years has been linked to long-term health effects including cancer, behavior problems, birth defects and asthma. Studies suggest an increased risk of brain tumors and brain cancer. Buffer zones around sensitive areas such as schools and hospitals makes sense as a place to begin protecting the public.

The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals.

Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Cheryl Greenwood
73-4411 Kakahiaka st #1305
Kailua-Kona, HI 96740

LATE

From: [Marion McHenry](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 7:52:54 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

Children can be exposed to pesticides sprayed on school grounds and those that drift from neighboring agricultural lands. Children exposed to restricted used pesticides are at a risk of disabilities like autism and ADHD, leukemia, and asthma. Toxic exposure to pesticides from while in the womb to early years has been linked to long-term health effects including cancer, behavior problems, birth defects and asthma. Studies suggest an increased risk of brain tumors and brain cancer. Buffer zones around sensitive areas such as schools and hospitals makes sense as a place to begin protecting the public.

The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals.

Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Marion McHenry
3609 Kaweonui
Princeville, HI 96723

From: [Tracy Mills](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 8:00:01 PM



Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Tracy Mills
1209 W Kuiaha Rd
Haiku, HI 96708

LATE

From: Lauryn.rego
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 8:03:16 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Lauryn rego
128 kahana ridge dr
lahaina, HI 96761

From: [Desiree Abernathy](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 8:10:23 PM



Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

Children can be exposed to pesticides sprayed on school grounds and those that drift from neighboring agricultural lands. Children exposed to restricted used pesticides are at a risk of disabilities like autism and ADHD, leukemia, and asthma. Toxic exposure to pesticides from while in the womb to early years has been linked to long-term health effects including cancer, behavior problems, birth defects and asthma. Studies suggest an increased risk of brain tumors and brain cancer. Buffer zones around sensitive areas such as schools and hospitals makes sense as a place to begin protecting the public.

The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals.

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It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Desiree Abernathy
P.O. Box 401
Wailuku, HI 96793

From: [sylvia litchfield](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 8:11:35 PM



Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

sylvia litchfield
415 Dairy rd. suite E414
Kahului, HI 96732

From: [Peggy McArdle](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 8:20:22 PM



Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Peggy McArdle
Alii
Kailua Kona, HI 96740



From: [sharon schiller](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 8:22:41 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

sharon schiller
pob 1925
Lihue, HI 96766

LATE

From: [David Prais](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 8:33:32 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

David Prais
Haneoo rd
Hana, HI 96713

LATE

From: [Jennifer Mather](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 8:38:26 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Jennifer Mather
441 Dickenson Street
Lahaina, HI 96761

From: [Robert Zelkovsky](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 8:46:46 PM



Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Robert Zelkovsky
6038 Kolo Pua
Kapaa, HI 96746

LATE

From: [Geoffrey Last](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 8:58:00 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Geoffrey Last
13-1267 Malama St
Pahoa, HI 96778

LATE

From: [Sarah Esunis](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 9:00:54 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Sarah Esunis
943 kupulau drive
Kihei, HI 96753

LATE

From: [Roy Shitanaka](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 9:11:04 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

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I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Roy Shitanaka
Alawai Rd
Waimea, HI 96796

From: [Joshua Noga](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 9:14:12 PM

LATE

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

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I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Joshua Noga
Kukuna Rd
Hauula, HI 86717

LATE

From: [Kristine Shitanaka](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 9:15:10 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

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I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Kristine Shitanaka
Alawai Rd
Waimea, HI 96796

LATE

From: [Patricia Lynn](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 9:22:33 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

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I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Patricia Lynn
1390 Olinda Road
Makawao, HI 96768

LATE

From: [Sierra Knight](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 9:30:46 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

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I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Sierra Knight
95 Kulalani Cir
Kula, HI 96790

LATE

From: [Terese Masters](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 9:33:57 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Terese Masters
405 Haloa Rd.
Haiku, HI 96708

LATE

From: [Kapono Makahanaloa-antunez](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 9:36:43 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

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As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals.

Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Kapono Makahanaloa-antunez
Lau papa
Haiku, HI 96708

LATE

From: [laurel brier](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 9:44:44 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

laurel brier
p o box 220
anahola, HI 96703

From: [Maria Clark](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 9:50:35 PM



Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Maria Clark
P o box 836
Anahola, HI 96703

LATE

From: [Leonard Nakoa III](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 10:02:05 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Leonard Nakoa III
5155-E Hanawai Street
Lahaina, HI 96761

From: [Sam Small](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 10:06:34 PM



Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Sam Small
1880 Piihola Rd
Makawao, HI 96768

From: [robert brower](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 10:20:46 PM



Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

robert brower
pobox 220
anahola, HI 96703

From: [Justine Haltom](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 10:33:00 PM



Aloha Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

As a caring resident of Kahalu'u, I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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I myself have worked around harmful agricultural chemicals and know the importance of creating a "buffer zone" for yourself and employees in order to protect your health. Ever see a pesticide application report? It takes into consideration many things! Wind direction, wind speed, temperature, humidity, drying time, chemicals used, dilution rates, and most importantly what you need to do to protect yourself from the possible harmful effects. Our communities have a right to have this same buffer to protect their health.

The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals.

Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Justine Haltom
47-868 kamehameha hwy
Kaneohe, HI 96744

LATE

From: [Paula Cole](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 10:43:19 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Paula Cole
Ke nui rd
Haleiwa, HI 96712

LATE

From: [Lyle Robinson](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 10:44:47 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Lyle Robinson
4180 n waiakalua st
Kilauea, HI 96754

LATE

From: [Sara Mason](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 10:57:17 PM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Sara Mason
722 Naele rd.
Kula, HI 96790

From: [Mavis Oliveira-Medeiros](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Thursday, February 23, 2017 11:03:38 PM



Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Mavis Oliveira-Medeiros
445 Haneo'o Road. PO Box 215
Hana, HI 96713

LATE

From: [Danielle Marriott](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Friday, February 24, 2017 12:01:39 AM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Danielle Marriott
66-270B Waialua Beach Rd
Haleiwa, HI 96712

LATE

From: [Shannon Rudolph](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Friday, February 24, 2017 12:32:19 AM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Shannon Rudolph
P.O. 243
Holualoa, HI 96725

LATE

From: [Edgar Espero](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Friday, February 24, 2017 1:21:52 AM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Edgar Espero
91-944 Waihua Pl
Ewa Beach, HI 96706

LATE

From: [Nadya Penoff](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Friday, February 24, 2017 1:36:28 AM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Nadya Penoff
5430 Kuapapa St
Kapaa, HI 96746

LATE

From: [Mark Bastian](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Friday, February 24, 2017 2:29:07 AM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

It is time for the State to take action to reduce and prevent the potential negative impacts of such use. The Dept. of Agriculture has been woefully underfunded in this area and this appropriation will allow this action to finally take place.

I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Mark Bastian
High Ave
Eltopia, WA 99330

From: [Em Altez](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Friday, February 24, 2017 9:04:00 AM



Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

Children can be exposed to pesticides sprayed on school grounds and those that drift from neighboring agricultural lands. Children exposed to restricted used pesticides are at a risk of disabilities like autism and ADHD, leukemia, and asthma. Toxic exposure to pesticides from while in the womb to early years has been linked to long-term health effects including cancer, behavior problems, birth defects and asthma. Studies suggest an increased risk of brain tumors and brain cancer. Buffer zones around sensitive areas such as schools and hospitals makes sense as a place to begin protecting the public.

The JFF report also concluded that the public health impacts regarding long-term exposure to pesticides associated with large scale commercial agriculture have not been properly or independently studied. This is because information pertaining to the use of these pesticides is not available to the public or to health care professionals.

Kept in the dark, doctors and scientists have been unable to evaluate the full extent of negative impacts occurring to both residents and to the environment. Disclosure of what is being sprayed and in what quantity is required in order to analyze the impacts.

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I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Em Altez
91-1042Aawa Dr
Ewa Beach, HI 96706

From: [Gary Lee Kalani](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Friday, February 24, 2017 9:04:14 AM



Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

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I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Gary Lee Kalani
512 1st street
Traer, IA 50675

LATE

From: [Bellodgia Yamamoto](#)
To: [WAM Testimony](#)
Subject: Please support SB778
Date: Friday, February 24, 2017 9:06:09 AM

Dear Chair Tokuda, Vice Chair Dela Cruz, and members of the committee:

I am writing in strong support of SB778 which appropriates funding to implement the findings of the Kauai Joint Fact Finding study group.

As you know, the JFF report urges the State of Hawai'i to protect residents from pesticide exposure, and to improve the monitoring of pesticides and the illnesses related to pesticide exposure. The report also calls for buffer zones around sensitive areas like schools as well as mandatory disclosure of pesticide use by large agribusinesses throughout the state. I believe that these regulatory actions should be the priority of this initiative, to sufficiently protect the families who live, work, and play next to these operations.

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I urge you to support SB778. Mahalo for considering my testimony in strong support of this measure.

Bellodgia Yamamoto
59-606 Alapio Road
Haleiwa, HI 96712

From: mailinglist@capitol.hawaii.gov
To: [WAM Testimony](#)
Cc: autumn.ness@mauicounty.us
Subject: *Submitted testimony for SB778 on Feb 24, 2017 13:30PM*
Date: Friday, February 24, 2017 8:45:08 AM



SB778

Submitted on: 2/24/2017

Testimony for WAM on Feb 24, 2017 13:30PM in Conference Room 211

Submitted By	Organization	Testifier Position	Present at Hearing
autumn ness	Individual	Support	No

Comments:

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

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