

DAVID Y. IGE  
Governor

SHAN S. TSUTSUI  
Lt. Governor



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

SCOTT E. ENRIGHT  
Chairperson, Board of Agriculture

PHYLLIS SHIMABUKURO-GEISER  
Deputy to the Chairperson



TESTIMONY OF SCOTT E. ENRIGHT  
CHAIRPERSON, BOARD OF AGRICULTURE

BEFORE THE HOUSE COMMITTEES ON AGRICULTURE &  
ENERGY & ENVIRONMENTAL PROTECTION

FEBRUARY 7, 2017  
8:30 A.M.  
CONFERENCE ROOM 325

HOUSE BILL NO. 1282  
RELATING TO INSECTICIDE AND HERBICIDE USE

Chairperson Creagan and Lee and Members of the Committee:

Thank you for the opportunity to testify on House Bill No. 1282. The purpose of this bill is purportedly to protect Hawaii's pollinators from exposure to neonicotinoid insecticides and Hawaii's residents, plants, animals, and natural resources from exposure to glyphosate. If passed as written, this bill would effectively prohibit use of any pesticide containing glyphosate or any neonicotinoid on any public land owned or maintained by the state without a state or federally issued license or permit and only for specific purposes. The Hawaii Department of Agriculture respectfully opposes this measure.

The protection of Hawaii's honeybees, insects, bats, birds, and other pollinators from exposure to toxic levels of any pesticide, including neonicotinoids, is within the Department's purview. Recent studies conducted by the U.S. Department of Agriculture (USDA) and the United States Environmental Protective Agency (EPA) found, while pesticides do play a role in bee health, that role is insignificant when compared to viruses, bacteria, genetics, poor nutrition, and bad management practices.

Over recent years, the EPA, the Pest Management Regulatory Agency in Canada and the European Union have all recognized gaps in existing data regarding



the chronic effects of certain insecticides on pollinators and all have conducted or are in the process of conducting risk assessments to provide more detailed evaluation of neonicotinoid uses and their effects. All organizations have found limited in-field risks to pollinators for certain crops or crop types dependent on multiple factors such as use pattern, method, rate, and timing of application, crop type, length of blooming period, and existing label restrictions. Additionally, for many uses/use types such as cucurbits (melons, pumpkins, watermelon, etc.), herbs, and seed treatment, a determination of no or low risk to pollinators was determined due to the previously mentioned factors.

There are currently 357 products containing a neonicotinoid (acetamaprid, clothianidin, dinotefuran, imidacloprid, or thiamethoxam) licensed for distribution and sale in the state of Hawaii. Products range from pest control/structural use, agricultural use, homeowner (including ornamental, landscape, and home garden), and pet uses, with the highest percentage of the 357 products being in the commercial/structural group. Products containing neonicotinoids are commonly used in the pest control industry in the control of termites and other structural pests.

Imposing this ban on certain uses of this class of pesticides is impractical and would negatively affect multiple user groups and on multiple site types. It is the Department's view that the purpose of this bill would be greater served by evaluating existing information and risk assessments made available to determine the greatest risks to pollinators with minimal impacts to the human and environmental health.

While protecting human and environmental health through enforcement and outreach is under the purview of this Department, it must be stressed that bases for this proposed measure's restriction on glyphosate is not supported by evidence. In March 2015, the World Health Organization's International Agency for Research on Cancer (IARC) classified glyphosate as a "probable carcinogen", the definition of which states "there is limited evidence of carcinogenicity in humans and sufficient evidence of carcinogenicity in experimental animals." In contrast, however, the European Food Safety Authority and the Joint Food and Agriculture Organization/World Health Organization Meeting on Pesticide Residues, another subdivision of WHO, concluded that glyphosate was unlikely to pose a carcinogenic risk to humans from exposure through diet. Additionally, while, as the proposed bill suggests, a few countries have

been moving toward a ban on glyphosate use, there are many countries like Japan and Canada who are standing on their own conclusions that glyphosate is unlikely to pose a carcinogenic risk.

Glyphosate is an important tool in weed management on state lands including roadsides and highways. Alternatives as mentioned in the bill, such as the organic product Avenger, are not nearly as effective resulting in use of larger amounts of a product that has the same precautionary hazards as glyphosate. The restriction, as outlined, would also result in an increased reliance on manual removal of weeds, increasing labor costs and decreasing efficiency.

Glyphosate and its related acid and salt compounds are currently undergoing registration review by the EPA, with the human health and ecological risk assessments scheduled to be published in spring of this year. It is the Department's position that action regarding this compound be based on sound scientific evidence and the EPA assessments. Hawaii Department of Agriculture is aligned with the decisions and policies of the EPA on this measure. They have the expertise and the experience to regulate pesticide products and, as a result of those processes, are able to evaluate the potential health and environmental impact and assess the risk/benefit consequences when approving the uses of pesticides for use in crop/home/garden and landscape.

Of further concern to the Department is the attempt to delegate authority to the counties to place greater restrictions on the use of neonicotinoid insecticides and glyphosate. The EPA and HDOA have extensive pesticide regulatory schemes in place. Further restrictions on the use of these products by the counties is inconsistent with the bill's intention of giving the State, through the Department, permitting authority. Further, allowing the counties to extend regulatory authority over neonicotinoid insecticides and glyphosate could lead to an inference that counties may also regulate other pesticides, a proposition that could lead to further discussion/litigation on pre-emption by federal and state statutes.

Thank you for the opportunity to testify on this measure.

**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 11:07 AM  
**To:** AGRtestimony  
**Cc:** fernrosenstiel@yahoo.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Fern Rosenstiel	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 11:01 AM  
**To:** AGRtestimony  
**Cc:** jgelert@yahoo.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
John Gelert	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 10:58 AM  
**To:** AGRtestimony  
**Cc:** alohalways@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Tanja Miller	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 10:52 AM  
**To:** AGRtestimony  
**Cc:** shelleymuneoka@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Shelley Muneoka	Individual	Support	No

Comments: This one should be a no-brainer. The effect of neonicotinoids on pollinators (particularly bees) is well documented. I have a particular concern for the remaining native bee species that are in peril as well as the honey bees that pollinate our local produce. Now that we also have the varroa mite, small hive beetles and Nosema ceranea (an intestinal parasite), honey bees that work so hard for us need all the help they can get. If we continue to use neonicotinoids we will continue to decrease our ability to provide food for ourselves.

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 10:46 AM  
**To:** AGRtestimony  
**Cc:** lady.flach@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Teri Heede	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 10:44 AM  
**To:** AGRtestimony  
**Cc:** alan@prloffice.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Alan Gottlieb	Ponoholo Ranch Limited	Oppose	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 10:43 AM  
**To:** AGRtestimony  
**Cc:** Teralynpaleka@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Tera Paleka	Individual	Support	No

Comments: I support this bill!

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## House Committee on Agriculture

Board of Directors:

### **Hawai'i Alliance for Progressive Action strongly supports: HB1282**

Gary L. Hooser  
President

Chair Creagan, Vice Chair DeCoite 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'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.

Ikaika M. Hussey  
Treasurer

I writing to submit testimony in strong support of HB 1282 to place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State.

Bianca K. Isaki  
Secretary

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

Paul Achitoff

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

Malia K. Chun

Bart E. Dame

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Laura Harrelson

Kim Coco Iwamoto

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

Katie McMillan

Walter Ritte Jr.

I strongly urge this committee to protect the future of agriculture in our state, and to safeguard the public from probable carcinogens by supporting HB 1282.

Karen Shishido

Leslie Malu Shizue Miki

Respectfully,

Kekaulike Prosper Tomich

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

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.*

**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 10:30 AM  
**To:** AGRtestimony  
**Cc:** laryn\_rego@hotmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
lauryn rego	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 10:28 AM  
**To:** AGRtestimony  
**Cc:** MauiMercer@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Janet Mercer	Individual	Support	No

Comments: Save our environment, support this bill!

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 10:18 AM  
**To:** AGRtestimony  
**Cc:** shannonkona@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Shannon Rudolph	Individual	Support	No

Comments: STRONGLY SUPPORT!!!

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 10:09 AM  
**To:** AGRtestimony  
**Cc:** f88000001d@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Doug Killpatrick	Individual	Support	No

Comments:

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Denise Boisvert  
225 Kaiulani Ave #1604  
Honolulu, HI 96815  
February 6, 2017

House Committee on Agriculture  
House Committee on Energy & Environmental Protection  
Hearing on February 7, 2017 at 8:30AM

Re: HB 1282 Insecticide and Herbicide Use

To Whom It May Concern:

I support HB 1282 because pollinators are crucial to biodiversity. Bees, birds and butterflies have no defenses against the poisons that humans put into the environment and into their food.

The neonicotinoid pesticides have been suspended by the European Union, had a moratorium put on them by the Environmental Protection Agency and have been prohibited by the US Fish and Wildlife Service.

One doesn't need to be a member of the Sierra Club to know that this bill should pass.

Please vote for it.

Yours sincerely,

Denise Boisvert



Mr. Kim Jorgensen  
225 Kaiulani Ave #1604  
Honolulu, HI 96815

February 6, 2017

House Committee on Agriculture  
House Committee on Energy & Environmental Protection  
Hearing on February 7, 2017 at 8:30AM

Re: HB 1282 Insecticide and Herbicide Use

To Whom It May Concern:

This is testimony to support HB 1282 because neonicotinoid pesticides are dangerous to honeybees, native honeycreeper birds, Hawaiian yellow-faced bees and the Kamehameha butterfly among other essential pollinators.

Without the pollinators these islands will become even more dependent on imported produce than they are now.

Sincerely,

Kim Jorgensen

**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 9:42 AM  
**To:** AGRtestimony  
**Cc:** giichi1896@yahoo.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
April Sasaki	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 8:46 AM  
**To:** AGRtestimony  
**Cc:** Bmcd63@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Elizabeth McDermott	Individual	Support	No

Comments:

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Melissa Dean, 50 Alani Street, Hilo HI 96720

I oppose HB1282 for the following reasons -

- 1) **I am concerned that restricting neonicotinoids use in seeds would increase biosecurity threats to Hawaii by increasing the chances that pests will arrive on untreated seeds.** Considering the feeding habits and existing habitat range of Hawaii's native birds, threats to native birds via neonicotinoid contact with seeds seems highly unlikely. I can't think of a scenario where native birds would encounter seeds when used on label. Considering where and how the neonicotinoids coated seeds are used, there should also be no threat to honeybees or native bees. The endangered bees you mentioned are mostly coastal species whose greatest threat is habitat loss, not pesticides. While I can understand a desire to be cautious, please consider the greater risk that untreated seeds would pose.
- 2) **I'm unfamiliar with some of the background references you provide for neonicotinoid impacts.** Could you please provide your references for this statement, "Scientists have linked the use of systemic neonicotinoid insecticides to the rapid decline of honeybees and other pollinators and to the deterioration of pollinator health." I can't find any hard evidence that this is in fact scientifically proven when used on label and again not in conjunction with a linden tree. There is clearly a direct connection between the use of neonicotinoid and bees dying when used on linden trees and related species, when the products are used illegally off label, and potentially from neonicotinoid seed dust when best management practices are not followed. My understanding is that otherwise impacts are still up for debate (<http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0118748>). Australia produced a great article that notes how sensationalized this has gotten in the media, but how often the facts are overlooked: [https://archive.apvma.gov.au/news\\_media/docs/neonicotinoids\\_overview\\_report\\_february\\_2014.pdf](https://archive.apvma.gov.au/news_media/docs/neonicotinoids_overview_report_february_2014.pdf). This study provides a great overview of what has happened in other countries versus Australia. Please look beyond trigger articles in the media and share the hard facts. Again if you want to be cautious, okay, but present opinions as data when it isn't verified. I would welcome seeing your references so that I might reconsider my stance.
- 3) **Neonicotinoids are already a restricted use pesticide, and very little of it is used in Hawaii. Are more restrictions necessary?** Neonicotinoids are already a restricted use pesticide, and using these products on label should not have adverse impact on non-target species like honeybees, native bees, and Hawaii's birds. You can see from the Hawaii restricted use pesticide aggregated report, how little is used.
- 4) **References for glyphosate impacts seem to be taken out of the broader context of their original study design, and would not apply to on label use.** Overall I feel the background information in this bill leaves out important considerations related to the original research parameters for both glyphosate and neonicotinoids, and are used out of context, thereby misrepresenting the potential danger to Hawaii's fauna including people. Here are some examples. Consider this statement:

“ In 2015, the International Agency for Research on Cancer, a division of the World Health Organization and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen. The International Agency for Research on Cancer's determination was based on a rigorous assessment that concluded that there is sufficient evidence of carcinogenicity in experimental animals.”

Here's the same statement with greater context, “In March 2015, IARC classified glyphosate as “probably carcinogenic to humans” (Group 2A). This was based on “limited” evidence of cancer in humans (from real-world exposures that actually occurred) and “sufficient” evidence of cancer in experimental animals (from studies of “pure” glyphosate). IARC also concluded that there was “strong” evidence for genotoxicity, both for “pure” glyphosate and for glyphosate formulations.”

Here's a link to the reference: [https://www.iarc.fr/en/media-centre/iarcnews/pdf/Q&A\\_Glyphosate.pdf](https://www.iarc.fr/en/media-centre/iarcnews/pdf/Q&A_Glyphosate.pdf). The probable carcinogenic to humans was based on a limited group of pesticide applicators. The ‘sufficient’ evidence of cancer in experimental animals was using pure glyphosate. Please note that most pesticides in their pure form can be said to do the same, and it's why they are rigorously tested to determine their application rates. Why is glyphosate, a non-restricted pesticide, being singled out?

I recommend your committee hire a fact checker with a research background, as the background information presented in this bill as fact is really supposition. Every statement about glyphosate has been taken out of context. It would also be helpful if you would cite from where you are pulling your information.

- 5) **These pesticides are already controlled by the State.** Changes to the label or use in Hawaii are the right way to further limit any pesticide use in the state.

**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 8:29 AM  
**To:** AGRtestimony  
**Cc:** normandsusieh@yahoo.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

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<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Susan Heitmann	Individual	Support	No

Comments:

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**To:** AGRtestimony  
**Cc:** doclrob@yahoo.com  
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**HB1282**

Submitted on: 2/6/2017

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<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
lyle robinson	Individual	Support	No

Comments: We need bees. It is obvious. Please do what is pono. Mahalo

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**To:** AGRtestimony  
**Cc:** namaka@interpac.net  
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<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Joan Lander	Individual	Support	No

Comments:

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**To:** AGRtestimony  
**Cc:** reclaimingbalance@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Deborah EUdene	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 6:56 AM  
**To:** AGRtestimony  
**Cc:** paikoman@yahoo.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Lisa Hallett	Individual	Support	No

Comments: Aloha I think this rule is a good one and is the least that you can do for the public and its safety Thank you

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 6:48 AM  
**To:** AGRtestimony  
**Cc:** hanaleikona@yahoo.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Roman Dycus	Individual	Oppose	No

Comments: I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 5:10 AM  
**To:** AGRtestimony  
**Cc:** kuau77@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
D Brothers	Individual	Support	No

Comments: These poisons are killing bees and causing health problems in humans. Please do your job and protect Hawaii's people and wildlife.

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 4:28 AM  
**To:** AGRtestimony  
**Cc:** sarapattonmaui@yahoo.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Sara Patton	Individual	Support	No

Comments: As a voter and 30-year resident of Maui, I strongly support this legislation protecting the health of Hawaii's citizens.

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**To:** AGRtestimony  
**Cc:** akamaimom@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Felicia Cowden	Individual	Support	No

Comments: We need to protect our Bees, Please. The Hawaiian islands have the potential to be a leader in healthy agriculture and this is a n important shift in which we can be "ahead of the curve" and set a standard of truly responsible agriculture practices. Felicia Cowden Kilauea, Kauai

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**Sent:** Monday, February 6, 2017 12:32 AM  
**To:** AGRtestimony  
**Cc:** paul.arinaga@friendswithfarms.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Paul Arinaga	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 12:22 AM  
**To:** AGRtestimony  
**Cc:** dawny@tiki.net  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Dawn Matney	Individual	Support	No

Comments: Glyphosate should not be sprayed on any food crop, there is no proof it and it's residue on food is not harmful to animals or humans digestive tract by harming bacteria present in our bodies. Neonicotinoids are known to be deadly to bees and butterflies, especially the Monarch. License or not they should not be used.

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**Sent:** Sunday, February 5, 2017 11:43 PM  
**To:** AGRtestimony  
**Cc:** jpappas60@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Janet Pappas	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 11:24 PM  
**To:** AGRtestimony  
**Cc:** courtneybruch808@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Courtney Bruch	GMO Free Maui	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 11:24 PM  
**To:** AGRtestimony  
**Cc:** courtneybruch808@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Courtney Bruch	Individual	Support	No

Comments:

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**Sent:** Sunday, February 5, 2017 11:22 PM  
**To:** AGRtestimony  
**Cc:** foodsovereigntynow@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Mitsuko Hayakawa	Individual	Support	No

Comments:

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**Sent:** Sunday, February 5, 2017 11:17 PM  
**To:** AGRtestimony  
**Cc:** Mauimagic5711@Hotmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Ann Evans	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 10:55 PM  
**To:** AGRtestimony  
**Cc:** mauiskye1@yahoo.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Skye Coe	Individual	Support	No

Comments: I support this bill. It's about time like this passes, as we have long needed and deserved this bill. I support healthy families AND an environment safe for ALL.

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 10:45 PM  
**To:** AGRtestimony  
**Cc:** alohapowers@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
megan powers	Individual	Support	No

Comments: Neonics bind to nerve receptors and never come off for all species. There is no antidote to neonic poisoning. It must be stopped. Glyphosate is carcinogenic, causes autism, and nutrient deficiencies. It is in urine and breastmilk and the water supply and the food supply. It must be eliminated.

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 10:44 PM  
**To:** AGRtestimony  
**Cc:** barbarapolk@hawaiiantel.net  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Barbara Polk	Individual	Support	No

Comments: It is very important that the legislature act to protect agriculture in Hawaii, since the state needs to produce more of its own food. The danger that neonicotinoid insecticides pose to pollinators threatens long-term damage to our ability to feed ourselves. In addition, we must stop the well documented negative impacts of Glyphosate herbicide on human health and bio-diversity. This bill contains a loophole however, by allowing the State to grant permits to use these products if "there is no viable alternative" to their use. Since Round-up ready crops require the use of glyphosate, this bill does nothing to stop its use, although it apparently would let counties ban their use. I urge you to strengthen this bill so that it has the effect that appears to have been intended.

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**Sent:** Sunday, February 5, 2017 10:35 PM  
**To:** AGRtestimony  
**Cc:** rfatheree@yahoo.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Ray Fatheree	Individual	Support	No

Comments:

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## COMMITTEES ON AGRICULTURE AND ENERGY AND ENVIRONMENTAL PROTECTION

Representatives Richard Creagan and Chris Lee, Chairs  
Representatives Lynn DeCoite and Nicole Lowen, Vice Chairs

Tuesday, February 7, 2017, 8:30 a.m., Conference Room 325

**HB253**– Relating to Pesticides: Pesticides; Prohibition; Chlorpyrifos

**HB1282** – Relating to Insecticide and Herbicide Use: Neonicotinoid Insecticide; Glyphosate Herbicide; Pesticides; Agriculture

### TESTIMONY

Nancy Davlantes, Legislative Committee Member, League of Women Voters of Hawaii

Chairs Richard Creagan and Chris Lee, Vice-Chairs Lynn DeCoite and Nicole Lowen, committee members:

**The League of Women Voters of Hawaii supports HB253 and HB1282**, bills that would, respectively, prohibit the use of pesticides containing the active ingredient chlorpyrifos and prohibit the application of neonicotinoid insecticides and glyphosate herbicides after December 31, 2019, without a license or permit from the state or federal government.

When the League submitted comments to the Joint Fact Funding Study Group in April 2016, we expressed our disappointment that the Department of Agriculture declined to act on the group's recommendations, citing the lack significant evidence that pesticide use by large agricultural companies has harmed Kauai's residents or its environment. At the time, our position was that the lack of data necessary to determining the existence of significant harm put Kauai residents, and the rest of the state, for that matter in a Catch-22 situation, caught between a serious lack of data and a state agency unwilling to act to collect it.

It is therefore gratifying to see the number of pesticide-related bills that have not only been introduced but have advanced in this legislative session.

In prohibiting the application of any insecticide containing chlorpyrifos, **HB253** recognizes the concerns of the federal Environmental Protection Agency, which has determined that chlorpyrifos can over-stimulate the nervous system, causing nausea, dizziness, confusion, and, at very high exposures, respiratory paralysis and death. Extensive scientific studies show exposing children or pregnant women to chlorpyrifos in even small amounts may cause developmental delays, permanently reduced cognitive capacity, behavioral problems, and learning disabilities.

**HB1282** addresses concerns two widely used products, neonicotinoid insecticides and glyphosate herbicides, because their widespread use has been shown to harm to both residents and plant and animal species. Native bees, beneficial insects of all kinds, and food chains of aquatic invertebrates, insects, birds, bats, and other pollinators in Hawaii are at risk from environmental contamination by highly-persistent neonicotinoids.



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As for glyphosate, according to the EPA's own fact sheet, glyphosate, more commonly known as Roundup, is among the most widely used pesticides by volume. Since its approval some 20 years ago, resistance to glyphosate has emerged in numerous weed species. Farmers are discovering that when you spend years dousing land with a single herbicide, ecosystems adapt. Roundup-ready crops met Roundup-defying weeds, much to the detriment of Hawaii's residents, plants, animals, and natural resources.

The League has long had a position on the environment to preserve the physical, chemical and biological integrity of the ecosystem, with maximum protection of public health and the environment.

Thus we urge you to pass these bills. Thank you for the opportunity to submit testimony.

**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 9:43 PM  
**To:** AGRtestimony  
**Cc:** warrenmcfb@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

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

Comments:

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**To:** AGRtestimony  
**Cc:** mealaaloha@aol.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Daniel Bishop	Individual	Support	No

Comments:

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**To:** AGRtestimony  
**Cc:** joankutz@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Joan Kutzer	Hawaii Nurses Association, OPEIU local 50	Support	No

Comments: The Hawaii Nurses Association is in strong support of HB 1282. Not only is glyphosate harmful to the environment, specifically pollinators, it is considered a probable carcinogen by the International Agency for Research on Cancer, a division of the World Health Organization. Please pass HB 1282.

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**Sent:** Sunday, February 5, 2017 9:00 PM  
**To:** AGRtestimony  
**Cc:** psolomonlcsw@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Paul Solomon	Individual	Support	No

Comments: Please support this bill to protect our environment from further pollution and to protect the health of our people. Mahalo, Paul Solomon 808-633-3009  
psolomonlcsw@gmail.com

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February 5, 2017

RE: HB1282 Prohibits the application of neonicotinoid insecticides and glyphosate herbicides after December 31, 2019, without a license or permit from the state or federal government.

Position: SUPPORT

Aloha,

My name is Andrea Nandoskar. I live in Waikiki at 440 Lewers Street. I SUPPORT HB1282 which prohibits the application of neonicotinoid insecticides and glyphosate herbicides without a license or permit. Studies have shown that neonicotinoid insecticides have impacted bee populations negatively and glyphosate has been identified as a carcinogen. As a constituent and concerned citizen I respectfully request the legislature to act on the precautionary principal, that is, ban the use of these potentially harmful chemicals until they are proven to be benign to the health of humans, animals, insects and the soil.

Mahalo for your assistance in supporting this bill.

Aloha,

Andrea Nandoskar

440 Lewers Street, Apt. 702  
Honolulu, HI 96815  
Tel. 808-358-6203  
birdofparadise@hawaii.rr.com



**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 8:49 PM  
**To:** AGRtestimony  
**Cc:** carolmerrillburgess@yahoo.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Carol Burgess	Individual	Support	No

Comments: Wouldn't it be fantastic if Hawaii became known for growing pure unadulterated foods rather than altered poisoned ones? It would be a win-win for us all... workers included!

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 8:48 PM  
**To:** AGRtestimony  
**Cc:** chris@mentzel.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Chris Mentzel	Individual	Support	No

Comments:

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**Sent:** Sunday, February 5, 2017 8:35 PM  
**To:** AGRtestimony  
**Cc:** DJandSteveStar@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
DJ Star	Individual	Support	No

Comments: Protect the aina and it's people.

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**Sent:** Sunday, February 5, 2017 8:35 PM  
**To:** AGRtestimony  
**Cc:** DJandSteveStar@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
DJ Star	Individual	Support	No

Comments: Protect the aina and it's people.

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 8:30 PM  
**To:** AGRtestimony  
**Cc:** ndavlantes@aol.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Nancy Davlantes	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 8:21 PM  
**To:** AGRtestimony  
**Cc:** begoniabarry@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Barbara Barry	Individual	Support	No

Comments: Aloha Chair and Committee Members, This ban on neonicotinoid insecticides and glyphosate herbicides cannot come soon enough. We have 3 native bees on the endangered species list in Hawaii. The wide spread use of these two poisons are largely responsible for the demise of our native bees as well as honey bees and other pollinators. California is now labeling glyphosate a cancer causing chemical. We must stop poisoning our 'Āina and pollinators. Enough already. Mahalo, Ms. Barbara Barry Ha'iku, HI

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 8:19 PM  
**To:** AGRtestimony  
**Cc:** mnakahata@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Mae Nakahata	Individual	Oppose	No

Comments:

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**To:** AGRtestimony  
**Cc:** hlbpalmer@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Hillary Palmer	Individual	Support	No

Comments:

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**Sent:** Sunday, February 5, 2017 8:09 PM  
**To:** AGRtestimony  
**Cc:** erika.lechugadisalvo@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Erika Lechuga Disalvo	Individual	Support	No

Comments:

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**Sent:** Sunday, February 5, 2017 8:09 PM  
**To:** AGRtestimony  
**Cc:** vedicview@yahoo.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

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Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Robin Warren	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 8:08 PM  
**To:** AGRtestimony  
**Cc:** 333cory@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Cory Harden	Individual	Support	No

Comments: Aloha legislators, Studies show harm from glyphosate and neonicotinoids: The International Agency for Research on Cancer (IARC) – WHO [World Health Organization]’s cancer agency – said that glyphosate, the active ingredient in the herbicide made by agriculture company Monsanto, was “classified as probably carcinogenic to humans”. Roundup weedkiller 'probably' causes cancer, says WHO study, The Guardian, 3-21-15, <https://www.theguardian.com/environment/2015/mar/21/roundup-cancer-who-glyphosate>- A dip in the populations of wild bees across the English countryside over nine years coincided with the use of chemicals called neonicotinoids on the crops in which the bees forage, ecologists say. ...“Our results show that neonicotinoids are harmful to wild bees — we are very confident about that,” says Nick Isaac, an ecologist at the Centre for Ecology & Hydrology (CEH) in Wallingford, UK, who worked on the study. Controversial insecticides linked to wild bee declines, Nature, 8-16-16, <http://www.nature.com/news/controversial-insecticides-linked-to-wild-bee-declines-1.20446> Please protect people and pollinators. mahalo, Cory Harden, Hilo

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 8:07 PM  
**To:** AGRtestimony  
**Cc:** bob-marion@hawaiiintel.net  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Marion McHenry	Individual	Support	No

Comments:

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**Sent:** Sunday, February 5, 2017 8:07 PM  
**To:** AGRtestimony  
**Cc:** braxton1205@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

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<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Braxton Tabb	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 8:05 PM  
**To:** AGRtestimony  
**Cc:** neil.vonhof@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Neil Vonhof	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 8:05 PM  
**To:** AGRtestimony  
**Cc:** alijones-carter@hawaiiantel.net  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

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Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Alice K. Carter	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 7:55 PM  
**To:** AGRtestimony  
**Cc:** paulcarter@tranceandhealing.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Paul Carter	Individual	Support	No

Comments: As a small farm owner in Haiku Maui, doing everything we can to preserve our pollinator population is crucial to healthy food futures. We must not use any chemicals that put pollinators at risk, and for this reason I strongly urge passage of HB 1282. Thank you fro your attention.

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## Testimony **against** HB1282

Jesse Eiben, PhD – Assistant Professor of Applied Entomology, UH Hilo

### Testimony as Private Citizen

I am submitting testimony **against** the proposed alteration to the pesticide use laws in the State of Hawaii to single out the active ingredients and ingredient classes “glyphosate” and “neonicotinoids”.

Regarding neonicotinoids – these compounds can be one of the KEY defenses the State has against even more insect biosecurity threats. Since importation of plants is still allowed in the state, it is essential that these plants are treated for insect infestations. By disallowing the use of neonicotinoids, the only option would be less plant imports, apply different insecticides that are not as effective, or more dangerous, or open up the state to more risk of insect invasive species establishments.

This bill appears to be illegal, as it delegates pesticide regulation that can be more strict than state rules to the counties. This has been found to be illegal multiple times.

The ‘evidence’ stated in the preamble without citations is the definition of cherry picked ‘alternative facts’ from actively debated scientific papers or discredited scientific studies (specifically the glyphosate monarch study, to name just one). The information presented for justification is not strong enough in the least to warrant specific language isolating these compounds and treating them differently than pesticides in general in the overarching rules of pesticides legal use definitions in the State of Hawaii.

Additionally, I am very concerned with the ambiguous language allowing for legal use of these compounds only in instances of ‘Immediate’ threat of harm that the compound could rectify, or the use ‘viable’ alternative to these compounds. There needs to be explicit rules in place regarding ‘immediate’ or ‘viable’ for this law to be considered useful. Quite honestly, I do not trust an ill-defined committee to make these rules effective or fact based.

Also, it needs to be made exceedingly clear if this law will also make these compounds illegal on State or County controlled lands of agriculture leases. This could make farmers even more of a target of ill-informed and useless regulation making Hawaii agriculture even more difficult, especially in light of Governor Ige’s order to double local food production.

Example– 24lbs of Imidacloprid was sold in Hawaii in 2015. This compound is a neonicotinoid. This is enough active ingredient to treat ~50 acres. How does this ill-defined threat realistically embody a threat necessary for a line in the overall rules for pesticide regulation in the State as separate from the registration process of the insecticides? These compounds are already highly regulated, and this is a useless increase in regulation beyond the standard pesticide oversight process.

Glyphosate is not dangerous enough to warrant this ban. PERIOD. Read and critically analyze the vast body of research regarding this compound regarding its safety, and you will come to the same conclusion. You will hamstring the State in every weed control effort that helps conserve native ecosystems if this bill passes.

**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 7:47 PM  
**To:** AGRtestimony  
**Cc:** clareloprinzi@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
clare loprinzi	Individual	Support	No

Comments: This is crucial for the health of our land, water air and life on earth. please do the right thing, it is way past time and as a cultural practitioner who brings babies into this world...it is essential for both acute and chronic problems. mahalos to all that brought this bill up, with respect, Clare loprinzi

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 7:46 PM  
**To:** AGRtestimony  
**Cc:** EarthAsOne@hawaii.rr.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Lawrence Koss	Earth As One	Support	No

Comments:

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**Sent:** Sunday, February 5, 2017 7:41 PM  
**To:** AGRtestimony  
**Cc:** goldenheart1@me.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

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Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Christina Fisher	Individual	Support	No

Comments: I support this bill.

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 7:37 PM  
**To:** AGRtestimony  
**Cc:** joan@joanlevy.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

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Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
joan Levy	Individual	Support	No

Comments: Please regulate these toxic chemicals. Altho it is my preference to ban them altogether. They have been proven to be toxic and extremely dangerous for health.

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**Sent:** Sunday, February 5, 2017 7:36 PM  
**To:** AGRtestimony  
**Cc:** wpcote@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

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Submitted on: 2/5/2017

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<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
william cote	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 7:33 PM  
**To:** AGRtestimony  
**Cc:** lightdancer@jps.net  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

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<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
jennifer thompson	Individual	Support	No

Comments:

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**Sent:** Sunday, February 5, 2017 7:30 PM  
**To:** AGRtestimony  
**Cc:** colleenkelly@hawaii.rr.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

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Submitted on: 2/5/2017

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<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Colleen Kelly	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 6:14 PM  
**To:** AGRtestimony  
**Cc:** ariannafeinberg@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Arianna Feinberg	Individual	Support	No

Comments: As a lifelong Maui resident, small business owner and Democrat I'm testifying to SUPPORT HB1282. I'm not against all pesticide use but we need to have better scrutiny over the appropriate usage and application in Hawaii. Our environment in Hawaii is extremely unique, fragile and valuable. It is responsible for us to regulate the application neonicotinoid insecticides and glyphosate herbicides. Thank you for consideration of my testimony. Arianna Feinberg

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 4:54 PM  
**To:** AGRtestimony  
**Cc:** hokuokekai50@msn.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Mary Lacques	Individual	Support	No

Comments:

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**TESTIMONY IN OPPOSITION**  
**TO HB 1282**

**Submitted by Allan Parachini**

This bill must be defeated primarily because it is based in large degree of speculation, fabrication and fantasy in terms of the alleged risk of pesticide use in Genetically Modified Organism agriculture.

This bill opens with a stated intention to protect honeybees, but its unfolding narrative is based on assertions and undocumented sweeping conclusions without sufficient (in some cases any) factual documentation. It seeks to drive a wedge between agricultural activities in which Hawaii's seed companies (and the limited number of GMO papaya farmers) engage and the rest of agriculture, creating a false dichotomy between GMO and "conventional" and "organic" farming.

For example, the bill presents as unquestioned scientific fact the hypothesis that glyphosate use "has resulted in the rapid development and proliferation of previously unknown herbicide-tolerant superweeds." It raises an almost comical science fiction image of gigantic weeds overtaking Hawaii. Have you seen any in this state? Has any documented instance occurred in Hawaii? No.

It isn't until Section 2 that this bill actually identifies its real purpose: Creation of a county by county crazy quilt of pesticide regulation for which none of Hawaii's four counties has resources, budget or expertise to create. The state has defaulted seriously on its responsibilities to adequately enforce existing state and federal pesticide regulations. But the remedy is to improve and refine the state system, not to delegate to individual counties the authority to create wholly political, scientifically bankrupt and agriculturally harmful regulatory schemes.

Two judges of the U.S. District Court, as well as the Ninth Circuit U.S. Court of Appeals have recognized that the State of Hawaii has deliberately reserved to itself the authority to regulate pesticides in the state. The Hawaii Department of Agriculture has recently—and, clearly, belatedly—announced plans to step up its enforcement and oversight activities. This initiative is badly overdue, but should be permitted to develop logically and rationally.

This bill would do the opposite. It would create chaos at the county level, allowing any local political fantasy to take over regulation of farming.

It is worth noting in passing that the seed companies contribute enormously to Hawaii's economy and do so without proven adverse effects on the population. These companies have, at the same time, been made the victims of a hysterical campaign of misinformation and disinformation by organizations financially underwritten by the organic food industry that purport to work in the interests of safe food. In reality, this support is intended to outlaw GMO agriculture and everything related to it in Hawaii. The Legislature must see through this tired gimmick and disingenuous propaganda.

**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 2:53 PM  
**To:** AGRtestimony  
**Cc:** cspellman@hawaii.rr.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

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Submitted on: 2/5/2017

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<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
CSpellman	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 2:51 PM  
**To:** AGRtestimony  
**Cc:** cspellman@hawaii.rr.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
CSpellman	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 2:26 PM  
**To:** AGRtestimony  
**Cc:** tracy.emills@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Tracy E Mills	Individual	Support	No

Comments:

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**OUR MISSION**

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

TESTIMONY FROM BENNETTE MISALUCHA, EXECUTIVE DIRECTOR

**In Strong Opposition to HB 1282  
Relating to Pesticides**

**Prohibits the application of neonicotinoid insecticides and glyphosate herbicides without a license or permit from the state or federal government.**

HOUSE COMMITTEE ON AGRICULTURE AND  
HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL PROTECTION

February 7, 2017, 8:30 a.m.

Conference Room 325

Chairs Creagan and Lee and members of the committees:

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.

The Hawaii Crop Improvement Association (HCIA) **strongly opposes HB 1282**, which seeks to prohibit the application of neonicotinoid insecticides and glyphosate herbicides without a license or permit from the state or federal government.

With Governor Ige's goal to double local food production by 2020, Hawaii farmers need our help and support. Agriculture is a tough business and removing important tools for farmers will only make it that much more difficult.

Hawaii's farmers practice Integrated Pest Management (IPM), which includes using beneficial insects to reduce pests and weeds, rotating crops, using cover crops, monitoring fields for pests and using pesticides only when necessary to keep pest populations to a minimum. Eliminating low-risk products, such as neonicotinoid insecticides and glyphosate herbicides, would force our farmers to use heavier, costlier products.

In addition, there have been no reported cases of Colony Collapse Disorder (CCD) in Hawaii. Researchers surveyed over 200 hives in Hawaii and detected no CCD. Eliminating neonicotinoids will only place other farms at risk from pests like Coconut Rhinoceros Beetles, Naito Thrips and Little Fire Ants, as neonicotinoids have been found to be particularly effective in controlling these pests.

The state should be encouraging all farmers to use IPM; however, successful IPM requires access to a full array of tools, so the most appropriate tool available can be used. To prohibit some farms from being able to practice proper IPM is a disservice to all, placing agricultural product and the community's safety at risk.



In closing, our farmers need the state's support in order to be able to meet the Governor's food production goals. It is for all of these reasons that HCIA opposes HB 1282. Thank you for your consideration of our comments.

Respectfully submitted,

Bennette Misalucha  
Executive Director



**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 2:05 PM  
**To:** AGRtestimony  
**Cc:** mendezj@hawaii.edu  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Javier Mendez-Alvarez	Individual	Support	No

Comments:

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**Sent:** Sunday, February 5, 2017 12:01 PM  
**To:** AGRtestimony  
**Cc:** deborah@imaginariums.com  
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**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Deborah Davis	Individual	Support	No

Comments:

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AGRtestimony

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From: mailinglist@capitol.hawaii.gov  
Sent: Sunday, February 5, 2017 11:57 AM  
To: AGRtestimony  
Cc: seri.niimi-burch@foodcorps.org  
Subject: Submitted testimony for HB1282 on Feb 7, 2017 08:30AM  
Attachments: HB1282 - Neonicotinoid and glyphosate.pages.zip  
  
Categories: Green Category

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Seri Niimi-Burch	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 11:55 AM  
**To:** AGRtestimony  
**Cc:** nataliejeanf@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
natalie	Individual	Support	No

Comments: I am in support of this bill and would also like to see the complete ban of these pesticides. It is a risk to humans, insects, animals and the natural environment to use use harmful chemicals. I would like to restate what is written in the bill itself, " The purpose of this Act is to defend and protect Hawaii's public health, agricultural economy, and natural ecosystems by: (1) Restricting the exposure of Hawaii's honeybees, native bees, insects, birds, and other pollinators to neonicotinoid insecticides; and (2) Restricting the exposure of Hawaii's residents, plants, animals, and natural resources to glyphosate herbicides.". This clearly states why I am in support of this bill. Mahalo

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**Sent:** Sunday, February 5, 2017 11:40 AM  
**To:** AGRtestimony  
**Cc:** raphiell@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Raphiell Nolin	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 11:34 AM  
**To:** AGRtestimony  
**Cc:** tina@kiheiice.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Tina Wildberger	Individual	Support	No

Comments: It is high time our DoH & DoA do their jobs to protect our populace and 'āina from the unregulated practices of predatory agri-chemical companies. Please pass this bill.

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**Sent:** Sunday, February 5, 2017 10:51 AM  
**To:** AGRtestimony  
**Cc:** sharedpleasures@hawaii.rr.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
vicki levin	Individual	Support	No

Comments:

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**Sent:** Sunday, February 5, 2017 10:32 AM  
**To:** AGRtestimony  
**Cc:** alohalways@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Tanja Miller	Individual	Support	No

Comments:

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February 4, 2017

The Honorable Richard Creagan  
Chair, House Committee on Agriculture

The Honorable Chris Lee  
Chair, Energy & Environmental Protection

The Honorable Members of the Joint Agriculture and Energy &  
Environmental Protection Committee

**RE: HB 1282, RELATING TO INSECTICIDE AND HERBICIDE USE (OPPOSE)**

Dear Chairman Creagan and Chairman Lee:

On behalf of the Western Plant Health Association (WPHA), I am writing to express our **opposition** to HB 1282, which would eliminate state preemption over the use of pesticides within the state of Hawaii, and prohibit the use of glyphosate and neonicotinoid products on public land in Hawaii. WPHA represents the interests of fertilizer and pesticide manufacturers, agricultural biotechnology providers, and agricultural retailers in Hawaii, California, and Arizona.

Currently, state law controls the regulation of pesticide products and use in Hawaii. This bill would eliminate state preemption of pesticide laws with respect to two pesticides. WPHA opposes the erosion or repeal of pesticide preemption. Without a unified state policy, farms will face increased pest pressures from uneven standards implemented by counties in the regulation of pesticide products. We believe the following are important components of preemption which must be fully considered:

- Safe, effective and scientifically sound pesticide regulation.
- A system of pesticide regulation which is consistent, coordinated, and comports with both Federal and state technical expertise which is essential to public health and safety. Local regulation of pesticides does not materially assist in achieving these goals.
- The local regulation of the use of these products is costly, unnecessary, and interferes with the application of Integrated Pest Management (IPM).
- Local pesticide bans/restrictions hinder the control of pests that have a detrimental effect on healthy turf, trees and ornamentals which is important to Hawaii's economy.

- Local pesticide bans will require the use of additional resources for investigation of violations and enforcement, creating an unnecessary drain on community funds.
- State preemption is particularly important in states where new invasive pests can be introduced through avenues like tourism, and can spread quickly.
- The individual setting of pest control laws and regulations will result in counties having to increase the use of pesticides as well as incurring additional costs to protect their county from increased pest pressures.

The establishment of safeguards like pesticide preemption is an important tool for states to ensure all their citizens equal protection against invasive plant or animal species, disease carrying pests, and the local drain of resources due the activities of other municipalities. Protection against these risks must be coordinated through a state entity that has the scientific capability to address these issues effectively.

WPHA is also opposed to the prohibition of classes of legally registered products by the state when applied by farmers on state lands. The foundation for farmers to be able to effectively manage pest controls is to utilize Integrated Pest Management, which requires farmers to have access to the full array of legally registered products. To eliminate classes of low-risk products will force farmers to use heavier products. The state leases land to a wide cross-section of farmers. This bill will ultimately damage all farmers who lease land in what appears to be an attempt to target one set of farms.

Glyphosate has been found to be safe and non-cariogenic by a multitude of environmental agencies and countries including; US-EPA, the California Office of Health Hazard Assessment, the California Department of Pesticide Regulations, the German Federal Institute for Risk Assessment, the World Health Organization's Food and Agriculture Committee, Canadian Pest Management Regulatory Agency, and the Australian Pesticides and Veterinary Medicines Authority, to name a small cross-section of agencies and countries. By the overall weight of scientific evidence there is no foundation to assume glyphosate is unsafe for proper use.

While HB 1282 advocates the use of alternative products, it does not include the fact that glyphosate products have the same label warnings, same re-entry recommendations, and same classification as "reduced risk" alternative products mentioned. It also fails to report that the use of the mentioned alternative products, have resulted in costs of up to 3X's what the use of a glyphosate product would be. Again, farmers caught in the cross-fire of the intended targets of this bill would be left at an economic disadvantage.

Neonicotinoids are classified by US-EPA as "reduced risk." They are part of an IPM program farmers should have access to. While neonicotinoids have been alleged to be linked to Colony Collapse Disorder (CCD), it has been scientifically validated that the over-whelming driver in CCD are pests themselves, notably Varroa mites, as well as stress from the commercial shipping of bees, and malnutrition due to single crop food sources. It is notable that in Hawaii where neonicotinoids are available, but there is not long-distance commercial shipping of bees or hive malnutrition from single food sources,

there are no reported cases of CCD. In fact, in surveying over 200 hives in Hawaii by researchers, there have been no detections of CCD.

Not only will the elimination of neonicotinoids potentially place farms at an economic disadvantage by requiring more expensive crop protection tools, but eliminating neonicotinoids also will place other farms at jeopardy of risk from pests. Among the pests now found in Hawaii are Coconut Rhinoceros Beetles, Naito Thrips which can devastate culturally important *Myoporum* species in Hawaii, Lobate Sac Scale, not to mention Little Fire Ants. Neonicotinoids have been found to be particularly effective in controlling these pests. Without the full “tool box” of products, farmers on state lands may have to move to heavier products to protect their crops, and potentially place their neighbors' crops at risk if alternative tools are less efficacious.

Preemption is the basis for sound pesticide management. To erode the ability of the state to enforce uniform standards for use, places farmers at a competitive disadvantage on a county by county basis, and would make Hawaii less competitive than other states. It places their crops at risk from diseases and pests and it places the public at risk for their health and their family's well-being.

IPM is a worthy goal that the state should be encouraging all farmers to utilize. However, the keystone for IPM is the ability of farmers or counties to have a full array of legal tools, so they may utilize the most appropriate tools available. To prohibit some farms from being able to practice IPM is a disservice to all farms.

WPHA must **oppose** HB 1282 as its intention is to repeal state pesticide preemption, and unfairly target some farms from the use of products based on whether they lease or own land. We ask for a **no vote** on this bill. We appreciate your consideration of our comments.

Sincerely,



Renee Pinel  
President/CEO

**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 9:40 AM  
**To:** AGRtestimony  
**Cc:** molivit@yahoo.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Isabelle Olivit	Individual	Support	No

Comments:

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**Sent:** Sunday, February 5, 2017 9:13 AM  
**To:** AGRtestimony  
**Cc:** ihemphi@live.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Denise Key	Individual	Support	No

Comments:

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**Sent:** Sunday, February 5, 2017 8:45 AM  
**To:** AGRtestimony  
**Cc:** reneeariley@hotmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Renee Riley	Individual	Support	No

Comments: Prohibits the application of neonicotinoid insecticides and glyphosate herbicides after December 31, 2019, without a license or permit from the state or federal government. We shouldn't be allowing such chemicals on our Hawaii land at all - and certainly not without oversight.

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**Sent:** Sunday, February 5, 2017 8:32 AM  
**To:** AGRtestimony  
**Cc:** bmurphy420@mail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Brian Murphy	Individual	Support	No

Comments: Please, ban all GMOs!

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 8:20 AM  
**To:** AGRtestimony  
**Cc:** mary@mauivortex.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Mary Overbay	Individual	Support	No

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**Sent:** Sunday, February 5, 2017 7:05 AM  
**To:** AGRtestimony  
**Cc:** taragrace808@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Tara Grace	Individual	Support	No

Comments:

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February 5, 2017

TIM VANDEVEER  
Chair  
MARIE STRAZAR  
Vice Chair

MARGARET WILLE  
SEAN SMITH  
Legislation Committee Co-Chairs

HB1247

Tuesday February 7, 2017 9:00 a.m. State Capitol, Conference Room 325

RELATING TO RAPID OHIA DEATH

Representative Chris Lee, Chair  
Representative Nicole Lowen, Vice Chair  
Committee on Energy and Environmental Protection

Representative Richard Creagan, Chair  
Representative Lynn DeCoite, Vice Chair  
Committee on Agriculture

**Submitted on Behalf of the Democratic Party of Hawaii**

The Democratic Party of Hawaii supports HB1247 “Relating to Rapid Ohia Death” will provide funds to address the devastating impact of Rapid Ohia Death invasive species. **Passage of HB1247 is consistent with the DPH’s Environmental Wellbeing legislative priority for the 2017 Legislative Session to support legislation to address invasive species issues.**

Respectfully submitted,

*/s/ Tim Vandaveer* (tim@hawaiidemocrats.org)  
Chair of the Democratic Party of Hawai‘i  
*/s/ Marie (Dolly) Strazar* (hilomds@gmail.com)  
Vice Chair of the Democratic Party of Hawai‘i

*/s/ Margaret Wille* (margaretwille@mac.com)  
*/s/ Sean Smith* (simashang@yahoo.com)  
Legislative Committee Co-Chairs

**DEMOCRATIC PARTY OF HAWAII**

PO Box 2041 Honolulu, HI 96805 □ (808) 596-2980 □ www.hawaiidemocrats.org □ info@hawaiidemocrats.org

**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 6:13 AM  
**To:** AGRtestimony  
**Cc:** octopus@maui.net  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Rene Umberger	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Sunday, February 5, 2017 3:53 AM  
**To:** AGRtestimony  
**Cc:** makikirandy@yahoo.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Randy Ching	Individual	Support	No

Comments: Chair Creagan, Vice-Chair DeCotie, Chair Lee, Vice-Chair Lowen and members of the committees, Please pass HB1282. Neonicotinoids are known to cause colony collapse disorder -- the main killer of honey bees. Honey bees are the major pollinator of many agricultural crops. Glyphosate (commonly known as RoundUp) is now ubiquitous in the environment. There are studies that indicate it has negative effects on human health. Also, some weeds are now beginning to develop resistance to glyphosate -- which makes glyphosate ineffective in the long run. Again, please pass HB1282. Mahalo.

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**To:** AGRtestimony  
**Cc:** legechair@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/5/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Simon Russell	Hawaii Farmers Union United	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Saturday, February 4, 2017 11:04 PM  
**To:** AGRtestimony  
**Cc:** Burdick808@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/4/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Alan B Burdick	Progressive Democrats of Hawaii	Support	No

Comments: Progressive Democrats of Hawaii has been working for progressive ideals and principles since 2004 in Hawaii and in the Nation. We **STRONGLY SUPPORT** HB1282, which would ban the use of pollinator-harming neonicotinoids, and glyphosate on public land owned or maintained by the State. Our pollinator populations have been plummeting, and "neo-nics" are clearly the major culprits. These pesticides are banned in most, if not all, of Europe for precisely this reason. It is astonishing that Hawaii has not yet adopted such policies administratively. It is long past time to do so. Thank you very much for the opportunity to testify on this very important issue.

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**Sent:** Saturday, February 4, 2017 9:57 PM  
**To:** AGRtestimony  
**Cc:** jcwhite54@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/4/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Judith White	Individual	Support	No

Comments:

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**Sent:** Saturday, February 4, 2017 9:34 PM  
**To:** AGRtestimony  
**Cc:** ashzz@mac.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/4/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Ashley Wilcox	Individual	Support	No

Comments: Please pass this bill to help the people, environment, and bees/pollinators for our keiki's future.

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**Sent:** Saturday, February 4, 2017 4:58 PM  
**To:** AGRtestimony  
**Cc:** katc31999@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/4/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Kat Culina	Individual	Support	No

Comments:

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# **HAWAII PEST CONTROL ASSOCIATION**

Century Square – 1188 Bishop St., Ste. 1003\*Honolulu, HI 96813-3304

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

February 7, 2017

Testimony To: House Committee on Agriculture  
Representative Richard P. Creagan, Chair

House Committee on Energy & Environmental Protection  
Representative Chris Lee, Chair

Presented By: Tim Lyons, CAE  
Executive Director

Subject: H.B. 1282 - Relating to Insecticide and Herbicide Use.

Chair Creagan, Chair Lee and Members of the Joint Committees:

I am Tim Lyons, Executive Director of the Hawaii Pest Control Association, a group composed of approximately 85 pest control companies who perform structural pest control services for our residents in the State of Hawaii.

While we understand the supposed intent of this bill, that is to protect pollinators, it has many unintended consequences. The major problem is that the overall class of insecticides called neonicotinoids otherwise known as "neonics" includes a variety of other insecticides which the pest control operators use on a common basis for many other types of structural pests including termites, bed bugs and cockroaches. These insecticides are also used to help control the Zika virus, the West Nile virus and dengue.

In most cases these are applied indoors or in soil treatments and pose almost no risk of exposure to bees and other pollinators.

The incident of bed bug complaints is rising, not only nationally but also in Hawaii and to take away or to add additional hurdles to being able to utilize this particular insecticide is going to hamper the control of the structural pests that they are intended for. You may know that cockroaches spread bacteria. In fact, thirty-three (33) kinds of bacteria and six (6) kinds of parasitic worms. Banning "neonics" is not going to protect the pollinators but it will jeopardize people and their property.

Lastly, we also question whether the counties would have the resources to put this regulatory scheme together and further, by allowing such latitude to the counties, we would wind up with four (4) different regulatory schemes. It will create absolute havoc for pest control operators trying to keep up with the regulations that may exist and how they vary between county to county.

We submit that this bill is entirely too broad and although it has a favorable intent, it will have many negative consequences. We do not support the bill.

Thank you.

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**Sent:** Saturday, February 4, 2017 12:14 PM  
**To:** AGRtestimony  
**Cc:** tboh18@yahoo.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/4/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Ted Bohlen	Individual	Support	No

Comments: Ban neonicotinoids to save bees, pollination and food

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**Sent:** Saturday, February 4, 2017 12:01 PM  
**To:** AGRtestimony  
**Cc:** jshon1987@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/4/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Jason Shon	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Saturday, February 4, 2017 11:32 AM  
**To:** AGRtestimony  
**Cc:** kaloli.pt@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/4/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Ann Strong	Individual	Support	No

Comments:

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**Sent:** Monday, February 6, 2017 12:07 PM  
**To:** AGRtestimony  
**Cc:** breezybees808@Gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Briana Hurley	Individual	Support	No

Comments: Aloha I am beekeeper and I strongly support this bill. Neonicotinoids are PROVEN to be the major contributor to colony collapse disorder, which means it is the main killer of otherwise healthy bees. If you eat food to survive I hope you will support this bill as well. Mahalo.

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**House Committee on Energy & Environmental Protection and Committee on Agriculture**

**Hawai'i Center for Food Safety strongly supports: HB1282**

Dear Chair Lee, Vice Chair Lowen, Chair Creagan, Vice Chair DeCoite and Members of the Both Committees,

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 800,000 farmer and consumer members across the country, including nearing 10,000 in Hawai'i. On behalf of CFS and our members, I thank you for the opportunity to speak to you today regarding this important bill.

I am writing in strong support of HB1282, which prohibits the use of neonicotinoids and glyphosate on public lands.

A leading threat to bees and other pollinators is exposure to neonicotinoids and other systemic, persistent insecticides. Neonicotinoids are the most widely used insecticides in the world, and unlike traditional pesticides, that are typically applied to the surface of plants, neonicotinoids are systemic—meaning they are absorbed and transported through all parts of the plant tissue. Honey bees and other pollinators are exposed to these toxic chemicals through pollen, nectar, dust, dew droplets on plant leaves, and in the soil where many native bee species nest. Modeled after nicotine, neonicotinoids interfere with the nervous system of insects, causing tremors, paralysis, and eventually death. Neonicotinoids are up to 10,000 times more toxic to bees than DDT and their use can have immediate and long-term effects. In addition to killing bees outright, research shows that exposure to even low levels of neonicotinoids cause serious harm by impairing bees' ability to learn, find their way back to the hive, collect food, produce new queens, or to mount an effective immune response.

Neonicotinoids are also concerning because they persist in the environment and can accumulate quickly. Their extreme persistence has led to the widespread contamination of surface water, groundwater and soil, endangering species that inhabit these ecosystems. Harmful effects from this type of contamination have been identified in aquatic invertebrates, and additional concern exists with respect to long-term impacts on waterfowl, rangeland birds and other wild animals.

Neonicotinoids aren't just threatening our environment – they are also posing a serious risk to our agricultural economy. Pollinators, including by honey bees and numerous other pollinators, are a vital part of agricultural production in the State of Hawaii. One-third of food produced in

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Honolulu, Hawaii 96813  
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North America depends on pollination by honey bees, including nearly 95 varieties of fruits and other foods of high nutritional value to all of Hawaii's citizens. In the state of Hawaii, pollinators are critical to valuable specialty crops, including melons, watermelons, cucumbers, squash, lychee, mango, Macadamia nut, coffee, eggplant, avocado, guava, herbs and some flowering plants, such as sunflowers. In fact, Hawaii Department of Agriculture estimates that nearly 70 percent of Hawaii's food crops depend on pollination by bees.

By prohibiting uses of neonicotinoids on our public lands, we will be creating a much needed safe haven for pollinators and other critical species in Hawaii. Our Natural Area Reserves System was created for exactly this type of sanctuary. According to the State of Hawaii, Division of Forestry and Wildlife, "The statewide Natural Area Reserves System (NARS) was established to preserve in perpetuity specific land and water areas which support communities, as relatively unmodified as possible, of the natural flora and fauna, as well as geological sites, of Hawai'i. The system presently consists of 21 reserves on five islands, encompassing 123,810 acres of the State's most unique ecosystems. The diverse areas found in the NARS range from marine and coastal environments to lava flows, tropical rainforests, and even an alpine desert. Within these areas one can find rare endemic plants and animals, many of which are on the edge of extinction."<sup>1</sup>

Countless species are threatened by the use of toxic neonicotinoid chemicals, and Hawaii's Natural Area Reserves System must absolutely protect Hawaii's unique wildlife from exposure to these pesticides. Hawai'i boasts a variety of native pollinators including Honeycreeper birds, Hawaiian yellow-faced bees, and the Kamehameha butterfly. Unfortunately, these iconic species are in peril. Native bees, beneficial insects of all kinds, and whole food chains of aquatic invertebrates, insects, birds, bats and other pollinators in Hawaii are at risk from environmental contamination by highly-persistent neonicotinoids. 20 species of Honeycreepers have gone extinct. In 2016, the United States Fish and Wildlife Service added seven species of Hawaiian yellow-faced bees to the Federal Lists of Endangered and Threatened Wildlife and Plants: *Hylaeus anthracinus*, *Hylaeus longiceps*, *Hylaeus assimulans*, *Hylaeus facilis*, *Hylaeus hilaris*, *Hylaeus kuakea* and *Hylaeus mana*. These native bee species are at even greater risk from uses of neonicotinoid insecticides.

**HB 1282 serves a critical role in protecting Hawaii's bees, other pollinators, and at-risk species from exposure to toxic pesticides.**

Limiting the use of glyphosate is also a critical step our state can play in reducing the potential harms of pesticide exposure. In March 2015, the World Health Organization's (WHO's) cancer authorities – the International Agency for Research on Cancer (IARC) – determined that glyphosate is "probably carcinogenic to humans" (Group 2A). Glyphosate is the most heavily

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<sup>1</sup> <http://dlnr.hawaii.gov/ecosystems/nars/>

used pesticide in the world thanks to widespread planting of Monsanto's Roundup Ready crops, which are genetically engineered to survive spraying with it. Use and exposure will increase still more if glyphosate-resistant turfgrasses currently being developed for lawns, playing fields and golf courses are introduced.

Because of glyphosate's extremely intensive use (300 million lbs./year, more than four times that of the second-leading pesticide, atrazine), it is regularly found in food (e.g. bread), the air, rainfall and surface waters. Glyphosate is found at similar frequencies and levels in the urine of farm and non-farm family members, including children, suggesting similar levels of exposure. Glyphosate has also been detected in human blood. EPA's maximal "safe" level of glyphosate exposure is six times higher than Europe's, and 17.5-fold higher than the level EPA itself set in the early 1980s. EPA's latest high-end estimate of infant exposure to glyphosate is more than double the level it regarded as safe in the 1980s, and is nearly ten times higher than the maximum level suggested by independent scientists.

As public awareness around pesticide exposure rises, and communities demand increased action from the state, the state should be a leader in limiting the use of insecticides and herbicides on the land and natural resources that they manage. Please consider moving this important bill forward. Thank you for the opportunity to testify.

Respectfully,

A handwritten signature in black ink, appearing to read 'Ashley Lukens', with a long horizontal flourish extending to the right.

Ashley Lukens, PhD  
Director, Hawaii Center for Food Safety

**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Friday, February 3, 2017 3:52 PM  
**To:** AGRtestimony  
**Cc:** mendezj@hawaii.edu  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/3/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Javier Mendez-Alvarez	Individual	Support	No

Comments:

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**Sent:** Monday, February 6, 2017 1:42 PM  
**To:** AGRtestimony  
**Cc:** advertising@holoholocharters.com  
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**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Nathan	Individual	Comments Only	No

Comments: I support the ban of using these dangerous chemicals for HB1282

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**Sent:** Monday, February 6, 2017 1:31 PM  
**To:** AGRtestimony  
**Cc:** ofstone@aol.com  
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**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

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

Comments: Aloha House Agriculture Committee, House Energy Environmental Protection Committee and the Judiciary Committee, I strongly support HB 1282 asking to ban the use of Neonicotinoid seed coatings and Glyphosate. The use of Neonicotinoids are EXTREMELY detrimental to not only our precious pollinators but also to our soil. Fields planted over and over again with this insecticidal seed coating intensify toxicity in soil as they are used repeatedly crop after crop. It is an exceptionally harmful pesticide for our critical habitat of our remaining population of endangered species, as well as the vital pollinators. The EPA acknowledges the dangerous consequences. Please, please protect our children on the front lines across our island chain. Their real-time history of living with acute and low level chronic exposure needs to be addressed and acted on, especially with Glyphosate. Glyphosate does not kill weeds by poisoning them, it acts to eliminate vegetation by creating a block that prevents the uptake of magnesium. The spraying of glyphosate creates soil, microbes, plants, grazing animals and humans that are all magnesium deficient. It effects the chelation of this vital nutrient of life. I believe that citizens have been waiting too long for disclosure of chemical cocktails and environmental impacts, as well as attention to the health impacts of those living closest to these experimental, open air field tests. There have been many years where buffer zones were lacking near schools. Glyphosate resistance is a serious and growing problem, not only from the massive use but from the altered DNA that creates glyphosate resistance in GMO corn, soy, cotton and canola fields Trade winds carry this chemical afar, as well as the neonicotinoid pollen. We must protect the health of our keiki, endangered species habitat, our drinking water and coastal reefs. This is economically vital to our visitor industry too. 17 years has been too long for many of our residents and visitors to be exposed, while the Governor, Mayors, Representatives and the community to be kept in the dark about what is being sprayed where and when, as well as the true nature of the transgenic plant breeding tests. We know very little about how the Neonicotinoid seed coatings are applied by the Chemical companies in our state. It is being used on nearly every seed they plant and we again have no disclosure about how it is applied, how the equipment is cleaned and where the waste is disposed of. A seed coated with neonicotinoids are ingested by the sprouting seed and the poison is expressed in every cell of the plant, not only the pollen but the

stalk, leaves, flowers and roots. Please help us by supporting HB 1282 to ban the use of Chlorpyrifos and Glyphosate. We must put people over profits. This polluted land is in no way leading us towards local food security Respectfully, Jeri Di Pietro, GMO Free Kaua'i

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**Sent:** Monday, February 6, 2017 1:27 PM  
**To:** AGRtestimony  
**Cc:** autumn.ness@mauicounty.us  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
autumn ness	Individual	Support	No

Comments:

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**Sent:** Monday, February 6, 2017 1:27 PM  
**To:** AGRtestimony  
**Cc:** Marisanoahu@aol.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Marisa	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 1:21 PM  
**To:** AGRtestimony  
**Cc:** wao-hsl@WeAreOne.cc  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

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

Comments: Support restrictions and permitting only by STATE not Feds, and even better local permitting. Also, 2 years of ongoing poisoning is not acceptable. Implement now. Protect People, Health, and 'Āina before toxic corporate profits and encourage corporations to act transparently, cooperatively, and responsibly (which is ultimately even more profitable). [www.WeAreOne.cc](http://www.WeAreOne.cc)

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 1:00 PM  
**To:** AGRtestimony  
**Cc:** jupitt@yahoo.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Julie Pittman	Individual	Support	No

Comments: Please vote for this bill...way to much poison has been sprayed in these Islands already !

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 12:59 PM  
**To:** AGRtestimony  
**Cc:** robert@hawaiisustainable.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Robert Bence	Individual	Support	No

Comments: Please support HB 1282 and don't allow with a permit. Hawai'i doesn't need either one of these chemicals. Thank you

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 12:45 PM  
**To:** AGRtestimony  
**Cc:** dannygr@hawaiiantel.net  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Daniel Grantham	Individual	Support	No

Comments: Please protect our pollinators.

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 1:46 PM  
**To:** AGRtestimony  
**Cc:** elle.cochran@mauicounty.us  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Elle Cochran	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 1:46 PM  
**To:** AGRtestimony  
**Cc:** sunshineconsulting808@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Elizabeth Barretto	Individual	Support	No

Comments: We need to get rid of Neonic and Glyphosate completely.

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 12:41 PM  
**To:** AGRtestimony  
**Cc:** kauwilamahina@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Kaylene Sheldon	Individual	Support	No

Comments: Aloha no! My name is Kaylene Kauwila Sheldon, I am the Founder of JKM Foundation and I ask that you please protect our keiki from harmful chemicals, please help allocate monies to the Department of Agriculture to regulate pesticides. We need more protection. Mahalo, Kaylene Kauwila Sheldon

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Monsanto Hawaii  
94-520 Kunia Road  
Kunia, Hawaii 96759

February 7, 2017

JOINT HEARING WITH THE  
HOUSE COMMITTEE ON AGRICULTURE  
AND  
HOUSE COMMITTEE ON ENERGY & ENVIRONMENT

TESTIMONY ON  
HB 1282  
RELATING TO INSECTICIDE AND HERBICIDE USE

Co-Chairs Creagan and Lee and members of the committees:

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

Thank you for allowing us to testify in opposition to HB 1282, which prohibits the application of neonicotinoid insecticides and glyphosate herbicides and makes other amendments.

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

EPA reviews all safety, toxicology, and scientific data available for a registered pesticide to protect public health and the environment. This comprehensive regulatory review is required of all pesticides. The State Department of Agriculture also has an extensive oversight and resources of pesticides used in Hawaii. As Monsanto's brand product is Round Up, of which the active ingredient is glyphosate, continues to be one of the safest products in the market to control weeds. We stand by our products and the benefits that it provides for the consumer and the farmers who rely on glyphosate as part of their integrated pest management program.

For these reasons, we oppose HB 1282.

Thank you.



**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 12:12 PM  
**To:** AGRtestimony  
**Cc:** tiare@hapahi.org  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Tiare Lawrence	Individual	Support	Yes

Comments: Strong support. Without bees food production and native forests will suffer.

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 2:18 PM  
**To:** AGRtestimony  
**Cc:** ashzz@mac.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Ashley Wilcox	Individual	Support	No

Comments:

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Hawaii State House

Testimony regarding HB1282

February 6, 2017

Greetings.

Please consider my opposition to this legislation.

My name is David Schell and I am the General Manager for Island Princess Macadamia Nut Company in Kea'au, Hawaii

Legislative proposals such as this leave me dumb-founded. Just the notion that anyone would propose banning both neonicotinoid containing insecticides and glyphosate containing herbicides in the same package demonstrates how utterly ignorant the authors are. The materials could not be more chemically unrelated and they are used for entirely different purposes. This claptrap is obviously intended to horribly confuse issues of pesticide safety and, through alarmist tactics, gain for the small community of ideologically-driven, anti-farming activists a tool with which to push their scientifically flawed agenda. (Frankly, I hope they enjoy eating dirt because that's all that will be left when they succeed in disabling responsible commercial agriculture.)

While there is concern that neonicotinamides can be harmful to bees and other beneficial insects, the answer to this problem is in management and communication, not in uncalled for blanket bans of the material. No farmer wants to be responsible for the decimation of pollinators – more so especially if they are integral to his livelihood. I have never met a farmer that is unwilling to work with local agriculture officials and stakeholders to improve the environment and eliminate the possibilities for unsafe and destructive use of farming materials. We spend our entire lives on the ground, in the soil, among our crops. We are neighbors and friends to the people who live around our operations and we are responsive to their needs. For crying out loud, stop making us look like unthinking, uncaring and ignorant monsters who are concerned only with the bottom line and are happy to alienate the entire world in pursuit of it. Believe it or not, any farmer that uses neonicotinamides is ALREADY highly regulated by both the state and the federal governments and is far more aware of the nature of these materials than the fear mongers behind this ridiculous effort.

Glyphosates, on the other hand, have not been determined by any reputable scientific body to present any consequential negative effects on the environment or on human health. "Studies" that show carcinogenic traits are conducted at concentrations that are not even commercially available and would bankrupt any grower who chose to control weeds at those levels. (That grower would be better off paying a Wall Street Investment Banker to pull his weeds by hand.)

The fear and loathing regarding glyphosates stems from their prominent use in GMO crops which have been designed to be tolerant of them. The people who wish to see a complete ban on GMO's will gladly misrepresent glyphosates if they believe they can develop a "guilt by association" mind set in the largely unformed general public. GMO's have already made the use of literally hundreds of tons of herbicides far more dangerous and persistent than glyphosates to be unnecessary. I suppose the people who wish to ban glyphosates would prefer that alternative. I am guessing they will also gladly pay the price for upward pressure on the cost of basic foodstuffs due to yield losses and increased expenses incurred by farmers for weed management.

**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 2:07 PM  
**To:** AGRtestimony  
**Cc:** yamaguchd009@hawaii.rr.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Dennis Yamaguchi	Individual	Oppose	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 2:00 PM  
**To:** AGRtestimony  
**Cc:** greenleaf.maui@yahoo.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
marta greenleaf	Individual	Support	No

Comments: I am fully in support of this bill.

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 1:58 PM  
**To:** AGRtestimony  
**Cc:** bhaktirocks@sbcglobal.net  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
ane takaha	Individual	Support	No

Comments:

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Dr. Cindy Goldstein, Ph.D  
Aiea, Hawaii

HB1282 Relating to Herbicide and Insecticide Use  
House AGR/EEP Committees  
Tuesday, 02-07-17 8:30AM in House conference room 325

Chair Richard Creagan and Vice Chair Lynn DeCoite, Chair Chris Lee and Vice Chair Nicole Lowen,

**Position: Oppose**

HB 1282 banning uses of certain herbicides and categories of insecticides is short sighted and is likely to have unanticipated negative consequences.

Glyphosate has been well studied and large amounts of data show safe use and rapid degradation. Glyphosate is used by homeowners, landscaping businesses and grounds keepers, plant conservation efforts to minimize the impact of invasive plants, farmers, and others wanting to control weeds and invasive plants in a safe and effective manner. Glyphosate is the safer alternative for weed control, with other herbicides often being more persistent in the environment.

Both neonicotinoids insecticides and glyphosate are already regulated by national regulatory systems and local state regulations. Insecticides and herbicides are periodically reviewed and evaluated for impacts on the environment and organisms. Counties do not have the resources to carry out the technical research evaluations already conducted at the federal level over several years to reach conclusions about use and regulation. This bill proposes policies that would at best be redundant and not a wise use of state funds.

Thank you for the opportunity to provide testimony in opposition to HB1282.





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

In opposition to HB 1282 – Relating to Insecticide and Herbicide Use

Tuesday, Feb. 7, 8:30 am – House Committees on Agriculture and  
Energy and Environmental Protection

Aloha Chairs Creagan and Lee and members of the committees,

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 HB 1282.

Successful agriculture and healthy pollinator populations are intrinsically linked so farmers first and foremost value the responsible use of any pesticide. And every day, they practice Integrated Pest Management (IPM) to ensure that they protect good insects, animals, their workers, and the public. The neonicotinoid products referenced in HB 1282 are not only used by farmers but also landscape and nurse grower, homeowners and government. There is no evidence that these uses are having any detrimental effect on pollinators in Hawaii.

There is already a comprehensive process in place for evaluating the risks of pesticide products and they appropriately follow very stringent science-based protocols in order to meet current health, environmental and safety standards. These pesticide products are under continued review and scrutiny therefore action by the state legislature is neither warranted or good public policy.

Mahalo for your consideration.

**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 2:42 PM  
**To:** AGRtestimony  
**Cc:** alicia@loihicommunications.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Alicia Maluafiti	CropLife America	Oppose	Yes

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 3:01 PM  
**To:** AGRtestimony  
**Cc:** mamaupin@hotmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Margaret Maupin	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 3:08 PM  
**To:** AGRtestimony  
**Cc:** tulsigreenlee@icloud.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Tulsi Greenlee	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 3:07 PM  
**To:** AGRtestimony  
**Cc:** joanconrow@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Joan Conrow	Individual	Oppose	No

Comments: Again, this is a matter well beyond the purview of the state Legislature, which lacks training and expertise in pesticide products. It's also foolish, because by prohibiting someone from using glyphosate, you could be pushing them to use more dangerous products. There is absolutely no scientific basis for this bill, which would simply cause undue hardship and expense for farmers and ranchers.

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 3:06 PM  
**To:** AGRtestimony  
**Cc:** johnnaylor@kula.us  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
John NAYLOR	Individual	Support	No

Comments: SAVE THE BEES SAVE THE KEIKI! GLYOHOPSATE FOUND TO BE A LIKELY CARCINIGAN BY TH WORLD HEALTH ORG & STATE OF CALIFORNIA

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 4:07 PM  
**To:** AGRtestimony  
**Cc:** niki kaneohe@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
niki miller	Individual	Comments Only	No

Comments: SUPPORT

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 4:05 PM  
**To:** AGRtestimony  
**Cc:** hooluanaranch@yahoo.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Luana Beck	Individual	Oppose	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 5:24 PM  
**To:** AGRtestimony  
**Cc:** holographia@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017  
Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
claire howard	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 5:16 PM  
**To:** AGRtestimony  
**Cc:** gifts9954@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**LATE**

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Susan Vickery	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 5:01 PM  
**To:** AGRtestimony  
**Cc:** boydready@hawaii.rr.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**LATE**

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Boyd Ready	Individual	Oppose	No

Comments: Dear Committee members: The two agents proposed for licensing are only very debatably a cause of real harm to the environment and are currently already regulated as to use by the label law, such labels having been produced after extensive scientific, including field, investigations. So many activities have become licensed or regulated that the ability of the State to administer the regulations has become stretched to the breaking point. There being no provable, nor urgent, need to license these two agents, I urge you to vote no on this bill or kill it in committee. With respect, Boyd Ready

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 4:52 PM  
**To:** AGRtestimony  
**Cc:** teresa.parsons@hawaii.edu  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**LATE**

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Teresa Parsons	Individual	Support	No

Comments: Mahalo for allowing the opportunity to testify in STRONG SUPPORT for HB 1282. HB 1282 will protect pollinators, including honeybees, native honeycreeper birds, Hawaiian yellow-faced bees, and the Kamehameha butterfly. It is imperative we prevent the loss of biodiversity including the loss of the milkweed plant, a key food source for creatures such as the monarch butterfly. I urge you to support HB 1282. Mahalo

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 4:19 PM  
**To:** AGRtestimony  
**Cc:** blackbird4aloha@hotmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017  
Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Merle Hayward	Individual	Support	No

Comments:

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AGRtestimony

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From: mailinglist@capitol.hawaii.gov  
Sent: Monday, February 6, 2017 4:43 PM  
To: AGRtestimony  
Cc: bgreenleaf.maui@yahoo.com  
Subject: Submitted testimony for HB1282 on Feb 7, 2017 08:30AM  
Attachments: HB1282.docx  
  
Categories: Green Category

**LATE**

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
William Greenleaf	Individual	Support	No

Comments:

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## AGRtestimony

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From: mailinglist@capitol.hawaii.gov  
Sent: Monday, February 6, 2017 5:42 PM  
To: AGRtestimony  
Cc: willdavis108@gmail.com  
Subject: Submitted testimony for HB1282 on Feb 7, 2017 08:30AM  
Attachments: In Honor of Tim Bynum's Genius to Save the Bees and the Little (Prenatal)  
Keiki.pages

Categories: Green Category

**LATE**

### **HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Will M Davis	Individual	Comments Only	No

Comments: Dear Law makers, I support your supremely intelligent law to save our bees. Many have praised Tim Bynum's exceptional qualities of leadership, devotion, and fighting for social justice, but it should be mentioned Tim Bynum was extraordinarily brilliant. Tim Bynum was an Einstein among politicians. Einstein said if our pollinators the bees get destroyed mankind cannot survive beyond only several years. Kauai has some endangered bee species. Nature Communications reports in 2015, regarding destruction of bee colonies, "Using a multi-species dynamic Bayesian occupancy analysis, we find evidence of increased population extinction rates in response to neonicotinoid seed treatment use on oilseed rape." Plos One, reported in 2015, that Dupont's safety study for GM Roundup-tolerant oilseed rape, is flawed because the control test rats may have been fed a rat diet that was contaminated with Roundup residues. Therefore negative effects from rats eating the GM Roundup-tolerant oilseed rape may have been camouflaged. For example, when both control and test rats have tumors, then biotech scientists can conveniently conclude the rats have a genetic predisposition to have a lot of tumors that is unconnected to the copyright genetically engineered rapeseed. Biotech corporations feed their control rats feed diets that are contaminated with pesticides, heavy metals, dioxins, furans, PCBs, and GMOs. This is a major flaw with the mainstream rat studies used by biotech corporations (Plos One, 2015). The University of Hawaii needs to study atmospheric and wind dynamics of southern Kauai. It is possible restricted use pesticides (RUPs) are circulated by strong ocean winds, over Kauai which could kill Kauai's endangered bees. If Kauai's endangered bees become extinct, then several plants which are pollinated by them will also become extinct. As the related proposed Bill No. 790 states, restricted use "pesticides may volatilize, or change from a solid or liquid state into a vapor state, into the lower atmosphere for days, weeks, or months after the application," and as the US Geological Survey (2011) indicates will continue to drift around at very great distances, from atmospheric and wind dynamics. These are governed by the laws of meteorology, including atmospheric turbulence, the vorticity (swirling atmospheric eddies) theorem, adiabatic (vertical rising & falling of gas from densities changing from heat) lapse rates, etc., which have not been properly analyzed. These effects may average out, but with a likelihood (probability) of at least some collateral damage to bees. The US Geological Survey Report of 2011, finds measured amounts of (neuro-toxicant glyphosate- surfactant induces reversible encephalopathy,

Lancet Neurology, 2014; J Clin Neuroscience, 2010) glyphosate falling from the US Midwest's heavenly clouds and contaminating Midwest rivers and ground waters. Thus there is already indirect evidence for the possible destruction of Kauai's bees by RUPs from atmospheric dynamics which volatilize and transport other neuro-toxicant pesticides: The US Midwest monarch butterfly is on the near endangered species list. Peer review journals like Scientific American (2013, 2014) report the destruction of the US monarch is caused in part, from the destruction of the monarch's habitat plant milkweed from herbicides like glyphosate sprayed on genetically engineered corn and soy fields. But even more importantly, a growing body of research is beginning to show a negative relationship between RUPs and Einstein's IQ. "Loss of cognitive skills reduces children's academic and economic attainments and has substantial long-term economic effects on societies. Thus, each loss of one IQ point has been estimated to decrease average lifetime earnings capacity by about US\$18 000 in 2008 currencies (Lancet Neurology, 2014)." The Lancet Neurology, with 115 toxicology journal references, explains in 2014, the scientific relationship for "undeveloped regions," in which neuro-toxicant pesticides, like chlorpyrifos and glyphosate, may be inversely correlated to IQ scores and Gross Domestic Product (GDP). The Lancet Neurology explains, "developed" nations like Switzerland have bans on restricted use pesticides (RUPs) and hence have higher IQ scores and increased economic productivity [higher GDP], compared to undeveloped regions. Inversely correlated means (+) to (-) : higher concentrations (+) of RUPs creates lower (-) IQ scores and subsequent lower (-) dollar earning power. "Evidence from worldwide sources indicates that average national IQ scores are associated with gross domestic product (GDP)—a correlation that might be causal in both directions. Thus, poverty can cause low IQ, but the opposite is also true. In view of the widespread exposures to lead, pesticides, and other neurotoxicants in developing countries, where chemical controls might be ineffective compared with those in more developed countries (Lancet Neurology, 2014)." Furthermore brilliant scientists are aware that although there may be enormous benefits from the science of genetics, the truth is there are currently, dangerous side effects. The Journal of Biological Science and Chemistry reports in 2016, radio-labeled glyphosate fed to chickens suggests pieces of glyphosate's toxic molecular structure are built into the chicken's proteins and even into the next generation proteins of the chicken's eggs. This kind of molecular chaos leads to destruction of health. The same journal reports in 2015, "Epidemiological evidence supports strong temporal correlations between glyphosate usage on crops and a multitude of cancers that are reaching epidemic proportions, including breast cancer, pancreatic cancer, kidney cancer, thyroid cancer, liver cancer, bladder cancer and myeloidleukaemia (Journal of Biological Physics and Chemistry, 2015)." When people have high rates of certain types cancer they can't even enjoy a good slice of toast with organic honey, which they could if they never contracted cancer. All of these reasons are why brilliant scientists like Cornell's geneticist, Dr. John Fagan, PhD., have called for a moratorium on unregulated and non-comprehensive genetic engineering, especially with regards to pesticides. Dr. Jim Yong Kim, MD., the President of the World Bank published in the Lancet in 2010, that US hospitals should begin to routinely test for restricted use pesticides, because they may be co-variables for diseases mortalities. Canadian hospitals already test for RUPs that US and Kauai's hospitals don't test for. On the positive side, brilliant scientists like Peter Diamadis are leading the world's largest comprehensive gene sequencing projects to allow humans to live, healthy without disease, to at least 150 years. To achieve life without disease it is immediately imperative for the state of Hawaii (because the counties can't accomplish this due to the 9th Circuit Court ruling) set up pesticide safety perimeter zones. In a similar way as the new and expensive high tech zero one football helmet can help prevent high school football concussions, and also minimize liabilities, very extensive pesticide safety perimeter zones, or outright bans of sprayed RUPs because Kauai is so windy, can help prevent the neuron cells of the prenatal fetus from being "smashed" from chemicals like chlorpyrifos. Such microscopic destruction leads to the fetus growing a measured permanently damaged cortex, with neuro-developmental disorders. Pregnant mothers can unknowingly breathe in invisible chemicals like chlorpyrifos which permanently damage the fetus's brain in this way. The first stage tiny and delicate human fetus is the size of a bumble bee. "The developing human brain is



exceptionally sensitive to injury caused by toxic chemicals (Lancet, 2006), and several developmental processes have been shown to be highly vulnerable to chemical toxicity. For example, in-vitro studies suggest that neural stem cells are very sensitive to neurotoxic substances such as methylmercury (Toxicology Sci, 2012). Some pesticides inhibit cholinesterase function in the developing brain (Clin Chim Acta, 2006). thereby affecting the crucial regulatory role of acetylcholine before synapse formation (J Molecular Sci, 2006). Early-life epigenetic changes are also known to affect subsequent gene expression in the brain (Dev Psychobiol. 2012). In summary, industrial chemicals known or suspected to be neurotoxic to adults are also likely to present risks to the developing brain (Lancet Neurology, 2014)." These "exposures in early life to neurotoxic chemicals can cause a wide range of adverse effects on brain development and maturation that can manifest as functional impairments or disease at any point in the human lifespan, from early infancy to very old age (Lancet Neurology, 2014). Prenatal exposure to chlorpyrifos can lead to a decreased cortex size of the baby (Lancet Neurol, 2014; Proc Natl Sci USA, 2012). Thanks to quantum (wave) mechanics modern medicine has advanced its diagnostic and surgical competencies. Wavefront technology was pioneered for astronomy and physics to aid in reducing aberrations or imperfections in the optical systems of telescopes. In much the same way, wavefront-sensing devices are being used to produce an accurate picture of the optical imperfections found in the human eye, and for successful laser surgical solutions. Ocean waves surround Hawaii. Gravity waves have been discovered in 2016, confirming Einstein's miraculous theories. This means gravity is quantum (wave) gravity, like the already confirmed quantum (wave) forces in molecular biology. The primary rule in quantum (wave) mechanics is the Uncertainty Principle. All Hawaiian surfer s know there is always an uncertainty about the reliability of waves and dangerous under tows. Daily ebb and flow of tidal waves are governed (orchestrated) by quantum gravity between the earth and moon. Tim Bynum was aware of: the unpredictability of the current genetic engineering paradigm which can create chaos anywhere at any time, without warning. This is because quantum genetics creates random quantum mechanical indeterminacy (by the medical diagnostic law- the Uncertainty Principle). Mutagenic effects from corns like MON 810, MON 863, NK 603 are camouflaged by biotech studies which eliminate gender to hide gender specified diseases. For example, international eighth graders are being taught the following, using (x,y) ordered pairs to understand destruction of the human fetus at only 100 parts per million (ppm) by a corporate biotech class of bacterial [Bt] pesticides engineered inside plant foods like MON 810 corn (Journal of Applied Toxicology, 2011), which is deceptively camouflaged by corporate statistical manipulations. When plot dots are in quadrants I, II, III, & IV, for example, they are all colored black in corporate studies indicating no disease values for rats. However the dots in quadrant I & IV, showing positive X numbers, are really black for female rats. Quadrants II & III, showing negative X numbers, are really supposed to be all red for male. This indicates the male rats have liver disease and the female rats have kidney disease (Int J Bio Sci, 2009), for example. These simple eighth grade toxicology concepts cannot be taught to champion Hawaii Keiki because many have their illustrious parents working for the prestigious Multinational biotech corporations. "The repartition of effects is thus sex-dependent. In addition, in general liver (Fig. 1) and kidney (Fig. 2) parameters in all rats are sex differentially expressed. This is evident not only in the experiments involving NK 603, independently of the treatment at week 14, but also at week 5 (data not shown), but similarly observed in the MON 810 and MON 863 feeding tests...Males are clearly more sensitive than female animals to show physiological disturbances when fed NK 603. This is not observed for all three GM maize varieties. Moreover, most effects appear to be dose-dependent since 83% of male effects emerge only at the 33% feeding level (15/18), the highest GM maize concentration in the diet (Table 1). The maximal mean differences are observed in male kidney parameters," reports the International Journal of Biological Sciences, 2009. The same Uncertainty Principle calculated by Einstein, is used in medical diagnostics. Medical diagnostics requires rigorous safety testing for all genetically engineered foods (such testing is either not done, or not enough before FDA approval). Such safety testing for Keiki by Clinical Lab laboratory measuring of all RUPs is not yet done in Kauai and not in US hospitals (but is permitted in Canadian hospitals) to

detect health damage, as Dr. Jim Yong Kim, MD., President of the World Bank, says is absolutely necessary in the US and Hawaii also. Ask and ye shall receive. For example, Monsanto is developing non-toxic, non-GMO biologic agricultural products for sale to Europe, Russia, China, South America, Australia, etc. where restricted use pesticide based (GMO) agricultural products are not excepted for import. Why? These countries want to buy non-toxic food products which are safe for their children and our world environment. If there were an Einstein award for politicians, Tim Bynum would be the most deserving recipient.

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**Testimony of Paul H. Brewbaker, Ph.D., CBE**  
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**Re: HB nos. 252, 253, 790, 1571, 1282**

I rise to oppose House Bills numbers 252, 253, 790, 1571, 1282 because they ignore scientific consensus, ignore that restricted use pesticides are already regulated by the federal government, and generally disinform the public by misportraying—with disregard for science and the facts—beneficial agricultural uses of insecticides and herbicides as putative human health and environmental risks without benefit of research to support the presumption underlying each of their flawed legislative proposals.

The State of Hawaii will be condemned to years of litigation that it will lose for nothing seeking to deny Hawaii agriculture’s Last Man Standing, the corn seed industry, the ability to responsibly use agricultural chemicals safely, as intended, under the constraints imposed by federal regulations and regulators with way more science under their belts than the non-scientists who were the *only* members of the Joint Fact Finding schmackety-schmack not to bail on the group for sheer lack of credibility and integrity. Were these bills proposed by the Trump Administration?

It is completely disingenuous to pretend that these bills’ primary concern regards pesticides. First of all, these bills don’t *even* go after all agricultural pesticide uses, they *only* target some uses by some users, namely, three corn seed companies. Second, the bills fail to recognize that the seed industry’s uses are virtually indistinguishable from its share of Hawaii farmed acreage.<sup>1</sup> Third, there is no mention of industrial, residential, or non-agricultural

<sup>1</sup> According to the 2012 *Census of Agriculture* for Hawaii, agricultural chemical use in Hawaii of *all* kinds, including organic farms, is roughly proportionate to farm acreage. This bill ignores about three-quarters of all agricultural uses, not to mention non-agricultural uses (before the shutdown of HC&S on Maui).

	<i>Unit</i>	<b>Total</b>	<b>Other</b>	<b>Seed*</b>	<b>Other as % of Total</b>	<b>Seed as % of Total</b>
<b>Farms and income</b>						
Farms	number	7,000	6,988	12	99.8	0.2
Land in farms	acres	1,129,317	1,107,015	22,302	98.0	2.0
<b>Crop and livestock values</b>						
<i>Market value of products sold</i>	million\$	<i>661.347</i>	<i>508.948</i>	<i>152.399</i>	<i>77.0</i>	<i>23.0</i>
Value of government payments	million\$	5.228	5.228		100.0	0.0
<i>Addendum: sold directly to individuals</i>	million\$	13.215	13.215		100.0	0.0
<b>Fertilizers and chemicals applied</b>						
Fertilizers	acres	109,503	100,467	9,036	91.7	8.3
Manure	acres	5,165	5,165	-	100.0	0.0
Herbicides	acres	114,713	105,295	9,418	91.8	8.2
Insecticides <sup>†</sup>	acres	34,506	26,466	8,040	76.7	23.3
Treated for disease (crops, orchards)	acres	9,143	6,484	2,659	70.9	29.1
Other chemicals <sup>‡</sup>	acres	19,000	19,000	-	100.0	0.0

\*Corn comprised 99.7 percent of seed sales; all data are for NAICS industry code 1111, oilseed and grain farming

<sup>†</sup>Includes treatment for nematodes

<sup>‡</sup>Used to control growth, thin fruit, ripen, defoliate

\*Excluding manure; geometric means of nonzero exposure shares are 14.6% for seed, 87.8% for other

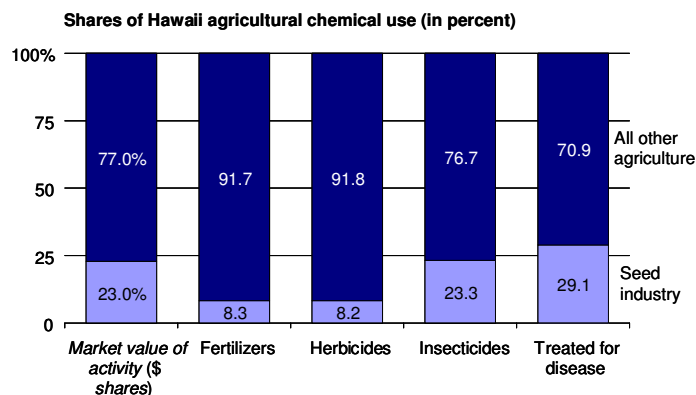
Source: Table 68; 2012 *Census of Agriculture* (Hawaii) (May 2014)

commercial uses of pesticides except—in one instance among the five bills to which I refer—mention of day care centers and certain other related areas implausibly associated, as a generalization, with restricted use pesticide application.

As some of you know, I have written as a consultant of the Hawaii Crop Improvement Association (HCIA) two economic impact studies on Hawaii’s seed industry, dominated by maize (corn), extending prior research conducted by my economist colleagues Dr. Tom Loudat and his collaborator Professor Pralad Kastury. One of my studies was researched at the industry’s peak, prior to 2014. The other was a follow-up, an update following the collapse of global commodity prices at the end of that that year and its consequences for the derived demand for research and development in the maize genome in Hawaii, commonly known as Hawaii’s seed industry. Hawaii’s modern seed industry began with winter maize plant-breeding research, after my father joined the University of Hawaii faculty, with his graduate students in the mid-1960s.<sup>2</sup> Several years later, inaugural gatherings of what became the HCIA comprising more than 200 seed companies, one of which was kick-started by my grandfather (also a Ph.D. geneticist and plant breeder), were held on Molokai and on Kauai. The industry is Hawaii agriculture’s largest by far today, and on Molokai has existed on former pineapple lands for longer than did the pineapple industry itself. Besides conveying my limited credentials in this regard, this paragraph is intended to provide a multi-generational context of Hawaii ohana engaged with the seed industry for more than a half century. You are talking about thousands of farmers’ and their families livelihoods, without evidence of harm from the industry.

### Regarding HB 253 Relating to Pesticides

Insecticides like Dursban based on chlorpyrifos have been around for a half century and have been withdrawn from household use, but remain available to farmers and others whose rigorous professional requirements for use are a part of their broader regulation by the U.S. Environmental Protection Agency. I have no reason to believe chlorpyrifos is either under-



<sup>2</sup> J.L. Brewbaker and D.E. Hamill (1967), “Winter corn seed production on the Island of Molokai,” *Hawaii Agricultural Extension Service Technical Progress Report* **160**:11, and J.L. Brewbaker (ed.) (1969), “Corn seed production in Hawaii: Present problems and future potential,” *Proceedings of the 1<sup>st</sup> Hawaii Seed Industry Conference, Molokai, Hawaii*. Auntie Bett (Dr. Hamill) still lives on Molokai with her husband Dr. Granger.

regulated in the United States or is misused in Hawaii agriculture. In my personal interactions with people in the pineapple and corn seed industries, specifically, I have *never* gotten the impression that federal requirements are treated cavalierly. Indeed, over the years I have come to the opinion—based on comparisons to my own past work experiences in such areas as manufacturing or ocean engineering—that these Hawaii agricultural activities have safety protocols deeply ingrained into their corporate cultures and attentive to the safety of the communities in which they operate. Chlorpyrifos-based insecticide is a component of a portfolio comprising integrated pest management approaches to pathogen mitigation that have been highly successful in *reducing* overall pesticide use in the United States. From what I have seen in the literature, incidence of human toxicity associated with chlorpyrifos largely has been limited to countries where adherence to such protocols is weak. There is no such evidence in Hawaii of any kind, to the contrary. The bill’s own finding [*sic*] that a, “West Kauai agribusiness operation sent at least ten farm workers to the hospital after exposure to chlorpyrifos” conflates evidence that professional safety standards in Hawaii agriculture receive rigorous compliance with the hysterically fake news that workers are being poisoned. *This citation seeks to justify legislation on fake news.* The bill itself recognizes that the EPA is in the process of establishing new human health standards with regard to chlorpyrifos use, yet this bill proposes to ban it before study has concluded. This is like invading Iraq because of weapons of mass destruction when their existence only has been hypothesized by paranoids. The proposal in HB 253 is redundant, pre-emptive regulation at the state level without scientific justification or even the most rudimentary scientific research undertaking. Do the research. HB 253 neither improves upon the federal regulatory process nor contributes to the scientific knowledge upon which it stands.

### **Regarding HB 252 Relating to Pesticides**

I don’t know about you but I read the report of the Joint Fact-Finding (JFF) group and they were lame. The report relied on insinuation to assert, without evidence, a number of fictional public health outcomes. What a fail. No wonder the scientists all bailed on the JFF. I was astonished to find no references to some of the actual scientific analyses upon which I myself have come across in my own research. Perhaps I missed it, but the JFF ignored a Hawaii Tumor Registry report prepared for the Hawaii Department of Health which 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.”<sup>3</sup> I don’t recall reading in the JFF report the remarkable conclusion repeatedly underscored in the research on Hawaii I have seen that, as I wrote in my first corn seed industry study, “*Urban*—not agricultural—applications are the most likely potential sources of environmental exposure to pesticide residues in the Hawaiian Islands.” In fifty years there has emerged *no* evidence causally linking the seed industry—the only one I personally have studied—to adverse human health effects. Indeed, putting agricultural workers and their families *out* of a job would create a much larger health hazard than anything the JFF found to whine about. I can’t remember a single place in the JFF report where *causality* was statistically or epidemiologically demonstrated running from pesticide use to health or environmental outcomes. All I read in the report was unsubstantiated fear and hysteria. I would be a continuing supporter of efforts by the State of Hawaii to fund

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<sup>3</sup> See for yourselves at <http://eha-web.doh.hawaii.gov/eha-cma/documents/20fb7e6f-de7f-4111-9ff6-ef8d6e547507>.

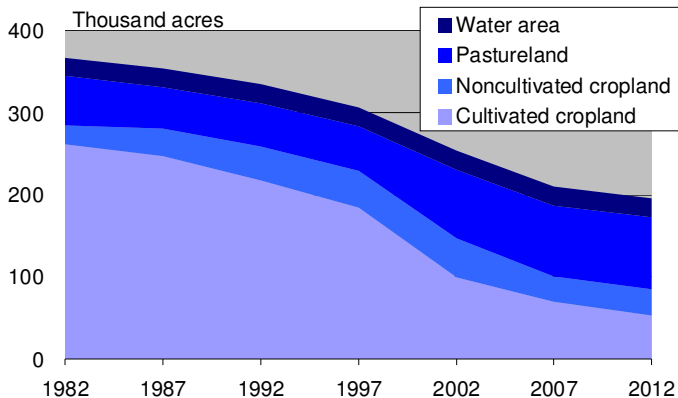
proper epidemiological and environmental study of pesticides as non-point sources of pollution and of potentially adverse human health outcomes, but it doesn't seem like the legislature is talking about that here. At any rate, I wasted too much of my life on the JFF report, and I encourage you to skip it, *ignore it*, and not waste yours.

### Regarding HB 790 – Relating to Environmental Protection

OK now we're just getting redundant but, seriously, agricultural pesticides, that's your whole list? Not pest control exterminators, the people tenting houses? Have you been to the home and garden section of Lowe's or Home Depot, Wal-Mart, Koolau Farmers? You've seen a golf course at a resort area, right? Do you think they just look like that on their own? This bill is not really about environmental protection is it? I mean, just read the first sentence, what a crock. "The legislature finds that the number of large-scale, outdoor commercial agricultural operations in Hawaii has been increasing." OMG on what planet are you living? Correct me if I am wrong, but by my reckoning the amount of acreage in cultivated cropland in Hawaii has decreased, over the last 35 years, from more than 260,000 acres in 1982, when I first started coming back to Hawaii to work, to a little over 50,000 acres in 2012 at the time of the last *Census of Agriculture in Hawaii*, to—by my reckoning following the closure of HC&S on Maui—less than 20,000 acres in 2017, when the next Census enumeration will occur.<sup>4</sup> So, *just for starters*, this bill can't even get the basic premise correct, finding that "the number of large-scale, outdoor commercial agricultural operations in Hawaii has been increasing [*sic*]." WRONG. *How on earth could it*

<sup>4</sup> Here's what I get from the various editions of the *Census of Agriculture* for Hawaii:

	1982	1987	1992	1997	2002	2007	2012
(land cover, thous. acres)							
By area							
Total cropland	284.6	280.3	259.5	229.6	146.4	100.2	85.7
<b>Cultivated Cropland</b>	<b>261.5</b>	<b>247.6</b>	<b>217.6</b>	<b>183.8</b>	<b>99.7</b>	<b>69.1</b>	<b>53.1</b>
Irrigated	153.0	148.4	114.7	76.5	65.9	57.6	46.1
Nonirrigated	108.5	99.2	102.9	107.3	33.8	11.5	7.0
Noncultivated Cropland	23.1	32.7	41.9	45.8	46.7	31.1	32.6
Irrigated	3.3	11.3	25.9	26.1	24.3	9.2	10.1
Nonirrigated	16.5	21.4	16.0	19.7	22.4	21.6	22.2
Total cropland	284.6	280.3	259.5	229.6	146.4	100.2	85.7
Pastureland	59.9	50.6	52.0	53.7	84.1	87.2	87.4
Rangeland	1,078.2	1,064.9	1,074.4	1,070.6	1,101.6	1,075.5	1,069.8
Forest land	1,620.9	1,592.4	1,583.6	1,599.4	1,595.0	1,525.8	1,526.9
Other rural land	482.8	467.0	461.7	499.0	502.3	481.1	477.5
Water area	23.0	23.1	22.9	22.9	23.0	23.1	23.1



*get what follows correct, if quantitatively what it begins talking about is immaterial, not to mention incorrect?*

Clearly, HB 790 is intended to discriminate against a very small group of individual agricultural firms to the complete neglect of *all other restricted pesticide users* in Hawaii. Right off the top you KNOW that the agenda this bill calls for—mandatory reporting by this small group of individual firms—public notification of use, redundant record-keeping (dudes: asked and answered by the federal government), etc. has *little* to do with public health and safety. Even if you were going to fund epidemiological research on this subject, *which this legislation does not propose*, you couldn't possibly interpret its findings in the absence of equally rigorous research on ALL uses of pesticides, restricted and others, but this bill has no intention of actually finding out whether or not pesticide exposure is of any concern. This bill simply *assumes* the result, that a public health risk of exposure *already exists*, and imposes mandatory notification and reporting requirements on a short list of existing users. I concede only that this bill arbitrarily adds “schools, healthcare facilities, childcare and eldercare facilities,” and the impossibly general, “other environmentally sensitive areas,” to the list, but not golf courses, resort areas, pest control practitioners, or the Hawaii Department Health as it pursues the next vector for catastrophic human risks such as the Zika virus or Ebola.

Fund the research, please, but stop jumping the gun on the basis of fictional premises, irrational fears, and fake studies such as the JFF report. This is not the Salem Witch Trials: stop inflaming mass hysteria. What this bill proposes is the equivalent of banning travel to the United States by Iranian cardiologists because some Iranians are Muslim.

### **Regarding HB 1282: Relating to Insecticide and Herbicide Use**

First of all, I don't think I've ever heard of bee Colony Collapse Disorder (CCD) in Hawaii. The guy that came and took out the 15,000 bees living in several combs in my outside tool-chest said it was all mites, not neonicotinoids, killing bees in Hawaii. Besides, wouldn't neonicotinoids kill the mites *and* the bees? I mean, I'm no entomologist, but seriously. Kills bugs, but only your favorite bugs? And, I'm no environmental scientist, but I'm pretty sure that if I can buy glyphosate off the shelf at Wal-Mart, it is far, *far*, from being a restricted use pesticide. What, mosquito punk? Got pyrethroids?<sup>5</sup> Do you, or do you not believe in the expertise of the Environmental Protection Agency and the scientific community at large? *Pay attention*. This bill is just more of that fake JFF stuff.

Here's my other general objection to this pesticide legislative agenda of “shoot the Iraqi first and investigate the terrorist later.” There is no scientific consensus on the contribution of neonicotinoids to the collapse of bee colonies around the world. There *is* scientific consensus on global climate change. There *is* scientific consensus on the safety of genetically-modified organisms. But, there is no scientific consensus on the contribution of neonicotinoids to CCD. Not yet. Maybe never. *So: fund the scientific research*, yo, but stop jumping the gun and irresponsibly banning the very tools that modern agriculture *responsibly* uses to grow crops in the tropics, *where there is no winter kill*. Everything else is growing at least as fast and the

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<sup>5</sup> Like the bug spray commercial, “RAID!!!”

pathogens are evolving at least as fast as the food and other crops that farmers are trying to grow in Hawaii. Stop listening to City Slickers who abused the agricultural condominium property regime to build their house on ag land where they were shocked, *shocked* to find that the farmer next door like raise cows because cows make cow pies. Stop reading Fakebook, show some respect for the scientific methodology, show some support for the Environmental Protection Agency, and show some kokua for your neighbors who are just trying to farm their land, using the best techniques modern agriculture can provide. They are not irresponsible. Today, they are on the verge of feeding the planet and they have never been more productive or had more respect for the aina in the history of the world.

### **Regarding HB 1571: Relating to Environment Protection**

This is more of the same, lame, JFF bogacity. To my previous observations I simply will add: (1) first, if you moved next to the farm that's like moving next to the airport and then complaining about the noise from airplanes taking off, I'm just saying; but (2) second, and more importantly, you would think, after fifty *years* of people living near the seed farms—and most of the farms were there first—you would not have to conduct the epidemiological and environmental research on human health and natural exposures to pesticides because it was obvious. Yet, all the research I've seen says that not only is it not obvious, the putative problem *does not exist*. This is a research program this legislature does *not* propose to fund(!), in which the JFF itself did not engage. From the JFF's wild assertions one would think these communities would be populated with mutant creatures from a Zombie movie, the Living Dead, dragging themselves home from work and school in a toxic cloud. The JFF did NOT find causality remotely approximating this outcome. Indeed, the JFF itself reported finding *absence of causality*. After fifty *years*, there *is* no evidence of causality from seed industry operations to adverse human health effects. This bill's reference to "life-long pesticide exposure [being] linked to long-term health effects, including cancer and other serious diseases, decreased cognitive function, and behavioral problems," is the biggest pile of alternative facts in ALL of the aforementioned bills. By the logic of this bill, the assertion in the *Honolulu Star-Advertiser* that Native Hawaiians have greater cancer risk than non-Hawaiians should lead us to investigate their exposures in fictional hot spots such as West Kauai.<sup>6</sup> Naturally, the legislature is silent on anything requiring this much research and scientific appraisal. Instead, this bill's *presumption* is to blame agricultural industry, rather than to understand the population's risk exposure (or lack thereof). The point is to understand whether, and to what extent, some risks rather than others are responsible, and to legislatively act responsibly, not to validate the unfounded fears of the alt-Pono.

Please, reject all of this legislation and get on with something that actually matters.

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<sup>6</sup> Kristin Consillio, "Hawaiians suffer cancer more than other isle groups," *Honolulu Star-Advertiser* (February 4, 2017) (<http://www.staradvertiser.com/2017/02/04/business/hawaiians-suffer-cancer-more-than-other-isle-groups/>).



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**LATE**

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Eric Tanouye	Individual	Oppose	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 7:36 PM  
**To:** AGRtestimony  
**Cc:** ashman.janet@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**LATE**

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
J Ashman	Individual	Oppose	No

Comments: Unfortunately, this measure makes claims that are misleading or invalid in order to justify arbitrary new restrictions that will hurt Hawaii's farmers. The USEPA has the expertise and resources to determine whether a ban, or further restrictions on any pesticide, including glyphosate and neonicotinoid products, is warranted. After exhaustive review, these products have been deemed safe by USEPA and many other environmental health bodies. They are also known to be of much less risk than other products which could be used. The counties do not have the expertise or resources to regulate pesticides and there is no reason why they should be delegated this authority. Hawaii's farmers and others use these products in a safe manner and should not be penalized by an arbitrary ban that could force them to use other products which may be less safe, less effective, and more expensive. Both USEPA and our state department of agriculture are empowered to enforce against any pesticide user who violates the already strict current laws and regulations. And, as evidenced by recent news reports, their investigations and enforcement efforts are swift and can be extremely costly to the violator. Thank you for considering Hawaii's farmers in your deliberations.

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 7:30 PM  
**To:** AGRtestimony  
**Cc:** laurenelaide721@yahoo.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**LATE**

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Lauren Ampolos	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 7:25 PM  
**To:** AGRtestimony  
**Cc:** jlee@cochawaii.org  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**LATE**

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Sherry Menor-McNamara	Chamber of Commerce Hawaii	Oppose	No

Comments:

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**LATE**

**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 7:14 PM  
**To:** AGRtestimony  
**Cc:** shyla.moon@ymail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017  
Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Shyla Moon	Individual	Oppose	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 7:05 PM  
**To:** AGRtestimony  
**Cc:** dukesohana@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM



**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Kimberly Dukes	Individual	Support	No

Comments: We need our pollinators and birds for the balance of a healthy ecosystem here in Hawaii. Because we live on such a small land mass, it is of the utmost importance that we stop spraying chemicals that deep into our water system and poison our oceans. For the health of our children and our island PLEASE PROTECT HAWAII AND ITS PEOPLE!!!!

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 8:39 PM  
**To:** AGRtestimony  
**Cc:** ahuntemer@aol.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM



**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Angela Huntemer	Individual	Support	No

Comments: Aloha Chair and Committee Please Members. Please support SB1282 that would prohibit the application of neonicotinoid insecticides and glyphosate herbicides without a license or permit. The dispersal of these harmful chemicals needs to be sharply curtailed if not eliminated. Thank you Angela Huntemer Kahuku.

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:** Monday, February 6, 2017 8:37 PM  
**To:** AGRtestimony  
**Cc:** Aloha\_fusayo@hotmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*



**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Fusayo Lukisc	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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Testimony Opposed HB1282  
RELATING TO INSECTICIDE AND HERBICIDE USE.

**LATE**

Andrew Cooper  
Waikoloa, HI  
[acooper@pobox.com](mailto:acooper@pobox.com)

Careful regulation of agricultural chemicals is warranted, but this measure goes too far. It seeks to impose regulations not supported by the science. The key issue with the regulation is buried in the center of the text, to permit counties to create more stringent regulations than the state, overriding state regulatory authority in a very key way.

The measure is an attempt to usurp the state's authority to regulate farming practices in a uniform and consistent manner. This will allow counties to enact legislation that is subject to impassioned rhetoric and unfounded fears in place of expertise and careful consideration. The result is likely to be a hodgepodge of different regulations across the state resulting in confusion for farmers, suppliers, and the general public.

Farming is already difficult enough in the islands, do not make the situation worse.

**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 9:10 PM  
**To:** AGRtestimony  
**Cc:** redahi@hawaii.rr.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM



**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
B.A. McClintock	Individual	Support	No

Comments: Pesticide, including herbicide usage has been an access issue since their inception. For those of us disabled with MCS it can also be life threatening. There needs to be tighter regulations on these toxic chemicals, and, the sooner the better. Please protect us all

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 9:24 PM  
**To:** AGRtestimony  
**Cc:** dale@hicattle.org  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*



**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Dale Sandlin	Hawaii Cattlemens Council	Oppose	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Tuesday, February 7, 2017 4:44 AM  
**To:** AGRtestimony  
**Cc:** clayposner@hotmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**LATE**

**HB1282**

Submitted on: 2/7/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Clay Posner	Individual	Support	No

Comments:

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**LATE**



## We Grow 93% of Hawaii Island Agriculture Crops

~ 625,000 acres of land in production ~ \$194 Million in Revenue ~

### **HB 1282 - Relating to Insecticide & Herbicide Use Expansion of Pesticide Advisory Committee Members and Duties**

HOUSE COMMITTEE ON AGRICULTURE AND  
HOUSE COMMITTEE ON ENERGY & ENVIRONMENTAL  
PROTECTION

February 7, 2017, 8:30 a.m. - Conference Room 325

February 6, 2017

The Honorable Richard Creagan; Chair, House Committee on Agriculture  
The Honorable Chris Lee; Chair, Energy & Environmental Protection  
The Honorable Members of the Joint Agriculture and Energy &  
Environmental Protection Committee

**RE: HB 1282, RELATING TO INSECTICIDE AND HERBICIDE USE  
(OPPOSE)**

Dear Chairman Creagan and Chairman Lee:

On behalf of HFRU I'm here today to advocate for our Right to Farm on behalf of Hawaii Island agricultural producers. Collectively, we represent 97% of all agricultural revenue on Hawaii Island; \$194 Million out of a total of \$202 total agricultural revenue, and almost 3,000 farmers and ranchers working on 630,000 acres of land.

Currently, state law controls the regulation of pesticide products and use in Hawaii. This bill would eliminate state preemption of pesticide laws with respect to two pesticides. HFRU opposes the erosion or repeal of pesticide preemption. Without a unified state policy, farms will face increased pest pressures from uneven standards implemented by counties in the regulation of pesticide products. We believe the following are important components of preemption which must be fully considered:

- Safe, effective and scientifically sound pesticide regulation.
- A system of pesticide regulation which is consistent, coordinated, and comports with both Federal and state technical expertise

-- *We Feed Hawaii* --

---

#### **Founding Association Members**

Hawaii Papaya Industry  
Association (HPIA)

Hawaii Cattlemen's Council

Big Island Banana Growers

Hamakua, Hilo & Kohala Farm  
Bureau Counties

Hawaii Floriculture & Nursery  
Association

---

which is essential to public health and safety. Local regulation of pesticides does not materially assist in achieving these goals.

- The local regulation of the use of these products is costly, unnecessary, and interferes with the application of Integrated Pest Management (IPM).
- Local pesticide bans/restrictions hinder the control of pests that have a detrimental effect on healthy turf, trees and ornamentals which is important to Hawaii's economy.
- Local pesticide bans will require the use of additional resources for investigation of violations and enforcement, creating an unnecessary drain on community funds.
- State preemption is particularly important in states where new invasive pests can be introduced through avenues like tourism, and can spread quickly.
- The individual setting of pest control laws and regulations will result in counties having to increase the use of pesticides as well as incurring additional costs to protect their county from increased pest pressures.

HFRU must **oppose** HB 1282 as its intention is to repeal state pesticide preemption, and unfairly target some farms from the use of products based on whether they lease or own land. We ask for a **no vote** on this bill. We appreciate your consideration of our comments.  
of our comments.

Sincerely,

Mahalo,

Lorie Farrell

**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 10:45 PM  
**To:** AGRtestimony  
**Cc:** citizens4ahealthiermaui@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM



**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Stephen Paselk	Individual	Support	No

Comments: I strongly support HB 1282 to place stricter rule on neonicotinoids and glyphosate both for bee health and human health. It is alarming that many foods such as oatmeal have 272ppb of glyphosate when previously 1ppb was cause for concern.

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 10:21 PM  
**To:** AGRtestimony  
**Cc:** lucas@kaulana.net  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**LATE**

**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
C. Kai Lucas	Individual	Support	No

Comments: While it's hard to support a measure that will allow my tax dollars to be spent on poisoning the aina with neonicotinoids, and glyphosate for another 2 years, and after that by permit, this bill will definitely help.

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 9:50 PM  
**To:** AGRtestimony  
**Cc:** jennahia@yahoo.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*



**HB1282**

Submitted on: 2/6/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Jennifer Noelani Ahia	Individual	Support	No

Comments:

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**LATE**

**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Monday, February 6, 2017 9:30 PM  
**To:** AGRtestimony  
**Cc:** djmauimama@yahoo.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*

**HB1282**

Submitted on: 2/6/2017  
Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Kate Griffiths	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Tuesday, February 7, 2017 8:15 AM  
**To:** AGRtestimony  
**Cc:** cylinda226@gmail.com  
**Subject:** \*Submitted testimony for HB1282 on Feb 7, 2017 08:30AM\*



**HB1282**

Submitted on: 2/7/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

Submitted By	Organization	Testifier Position	Present at Hearing
Cylinda Haskins	Individual	Support	No

Comments:

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**From:** mailinglist@capitol.hawaii.gov  
**Sent:** Tuesday, February 7, 2017 8:11 AM  
**To:** AGRtestimony  
**Cc:** kurisko808@gmail.com  
**Subject:** Submitted testimony for HB1282 on Feb 7, 2017 08:30AM

**LATE**

**HB1282**

Submitted on: 2/7/2017

Testimony for AGR/EEP on Feb 7, 2017 08:30AM in Conference Room 325

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Amy Kurisko	Individual	Support	No

Comments: I highly support the ban of Roundup in general. It is killing our bees, poisoning our food and harming our bodies. Bees' pollination is responsible for the majority of the worlds fruits and vegetables. Recent studies confirm copious amount f glyphosate in children's cereals and huge amounts of everyday food. This is unacceptable. Time to take a stand. Ban these pesticides and herbicides. Mahalo.

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**LATE**

AGRtestimony

---

From: Tim Sams <ajvegas1@msn.com>  
Sent: Tuesday, February 7, 2017 7:20 AM  
To: AGRtestimony  
Subject: REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Tim Sams

**LATE**

AGRtestimony

---

From: Ryan Oyama <royama@post.harvard.edu>  
Sent: Monday, February 6, 2017 10:53 PM  
To: AGRtestimony  
Subject: REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282. Hawaii needs good public policy based on facts not "alternative facts". The campaign to ban neonicotinoids and glyphosate is based on hysteria and fear mongering and is not supported by the international scientific consensus.

Ryan Oyama

**LATE**

From: Vernon Yoshida <vyoshida1969@gmail.com>  
Sent: Monday, February 6, 2017 10:38 PM  
To: AGRtestimony  
Subject: REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Vernon Yoshida

**LATE**

AGRtestimony

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From: Aileen Yeh <ayeh@hawaii.rr.com>  
Sent: Monday, February 6, 2017 9:49 PM  
To: AGRtestimony  
Subject: REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Aileen Yeh



## AGRtestimony

---

**From:** Tim Sams <ajvegas1@msn.com>  
**Sent:** Tuesday, February 7, 2017 7:20 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Tim Sams

## AGRtestimony

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**From:** Ryan Oyama <royama@post.harvard.edu>  
**Sent:** Monday, February 6, 2017 10:53 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282. Hawaii needs good public policy based on facts not "alternative facts". The campaign to ban neonicotinoids and glyphosate is based on hysteria and fear mongering and is not supported by the international scientific consensus.

Ryan Oyama

## AGRtestimony

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**From:** Aileen Yeh <ayeh@hawaii.rr.com>  
**Sent:** Monday, February 6, 2017 9:49 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Aileen Yeh

## AGRtestimony

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**From:** Bryan Otani <otanib002@hawaii.rr.com>  
**Sent:** Monday, February 6, 2017 8:13 PM  
**To:** AGRtestimony  
**Subject:** otanib002@hawaii.rr.com

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Bryan Otani

## **AGRtestimony**

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**From:** Linda Manabe <Lindamanabe@yahoo.com>  
**Sent:** Monday, February 6, 2017 8:03 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Linda Manabe

## AGRtestimony

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**From:** james bailey <kinohine@gmail.com>  
**Sent:** Monday, February 6, 2017 7:58 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

james bailey

## **AGRtestimony**

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**From:** Les Wynne <organicsurf@gmail.com>  
**Sent:** Monday, February 6, 2017 7:42 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Les Wynne

## AGRtestimony

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**From:** Robert Gandia <robert.gandia@outlook.com>  
**Sent:** Monday, February 6, 2017 7:29 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Robert Gandia



## AGRtestimony

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**From:** Maluhia Group <maluhia-WCMS@hotmail.com>  
**Sent:** Monday, February 6, 2017 7:29 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Howard Hurst  
Waimea

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar legislation and regulation.

This class of insecticides scientists have linked to the rapid decline of honeybees and other pollinators.

I urge you to pass HB 1282.

Mahalo,

Howard Hurst, M.S.Ed

## AGRtestimony

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**From:** elizabeth freeland <bettyhay@hawaii.rr.com>  
**Sent:** Monday, February 6, 2017 7:21 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

elizabeth freeland

## AGRtestimony

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**From:** Silvia Barber <gianetti.barber@gmail.com>  
**Sent:** Monday, February 6, 2017 7:12 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Silvia Barber

## AGRtestimony

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**From:** peter martin <peter@westmauiland.com>  
**Sent:** Monday, February 6, 2017 6:47 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

peter martin

## AGRtestimony

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**From:** Tyler Jones <tylercjones@gmail.com>  
**Sent:** Monday, February 6, 2017 6:47 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Tyler Jones

## AGRtestimony

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**From:** Matthew Paschoal <Clearxhoiceinv@gmail.com>  
**Sent:** Monday, February 6, 2017 6:41 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Matthew Paschoal

## AGRtestimony

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**From:** Brandon Hashimoto <Mazokurage@gmail.com>  
**Sent:** Monday, February 6, 2017 5:56 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Brandon Hashimoto

## AGRtestimony

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**From:** Daven Hashimoto <daven.hashimoto@gmail.com>  
**Sent:** Monday, February 6, 2017 5:49 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Daven Hashimoto



## AGRtestimony

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**From:** Yaky Rosa <yaky.rosa@dole.com>  
**Sent:** Monday, February 6, 2017 4:38 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Yaky Rosa

## AGRtestimony

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**From:** Rhonda Smith <Rhonda.k.smith@monsanto.com>  
**Sent:** Monday, February 6, 2017 4:34 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Rhonda Smith

## AGRtestimony

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**From:** HELENA ORRIS <helenaorris@me.com>  
**Sent:** Monday, February 6, 2017 4:02 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

HELENA ORRIS

## **AGRtestimony**

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**From:** Ming-Li Wang <mwang@harc-hspa.com>  
**Sent:** Monday, February 6, 2017 3:53 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Ming-Li Wang

## AGRtestimony

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**From:** Jan TenBruggencate <tenbrug@yahoo.com>  
**Sent:** Monday, February 6, 2017 3:46 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

Please vote down HB 1282.

The FDA is actively and continually reviewing agricultural chemicals, and takes action to remove them from use when the science justifies it. As citizens, we are already paying for that. We don't need a state regulatory system grafted on top of it--making the lives of farmers ever more difficult.

Jan TenBruggencate

## AGRtestimony

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**From:** Chifumi Nagai <chifumi@hawaii.rr.com>  
**Sent:** Monday, February 6, 2017 3:44 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Chifumi Nagai

## AGRtestimony

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**From:** James McCay <jmccay@hotmail.com>  
**Sent:** Monday, February 6, 2017 3:43 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From:  
James McCay  
2957 Kalakaua Ave, Honolulu, HI 96815

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

I've been researching and following the topic of "Colony Collapse Disorder" for YEARS! SO I am stoked to see this Bill being introduced and I am writing in strong support of HB1282. This will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which teaches that herbicides as a solution don't work in the long term. The science is clear, and we need bees more than the toxins that can be bought at every garden store today. Please protect agricultural productivity and stand up to make Hawai'i a leader in the sustainable food reality we so direly need to support.

Resistance, and money, fighting this bill I imagine will be immense. The sheer money scale involved is significant. Resist and I urge you to stand up for what is right, pure and pono. Please pass HB 1282. Again, if this does not pass, I will research out why not and act accordingly. The communities have awoken and are watching the actions of their elected representatives like never before.

Thank you.

## AGRtestimony

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**From:** Cliff DeVries <cliff.devries@gmail.com>  
**Sent:** Monday, February 6, 2017 3:41 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

Cliff & Mary DeVries  
2543 Makaulii Place  
Honolulu, HI 96816  
808.838.9127

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

When the research is available why should you wait in passing this bill. Of course we all know that these chemical companies are making large profits and they do not care what harm they do to the environment. We should take a lead for the nation and world and stop them from ruining the wonderful environment we know so well in Hawaii.

I urge you to pass HB 1282.

Thank you.



## AGRtestimony

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**From:** Johnathan Kauwenaole <johnathan.opunui.kauwenaole@monsanto.com>  
**Sent:** Monday, February 6, 2017 3:34 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Johnathan Kauwenaole

## AGRtestimony

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**From:** Stephen Scott <sjscott560@yahoo.com>  
**Sent:** Monday, February 6, 2017 3:29 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Our democracy depends on legislative policies that are based on sound scientific data, not on irrational fears that are unsupported by data.

The environmental safety of insecticides and herbicides is exhaustively reviewed by the EPA before products are allowed to be sold. These tests are conducted by Good Laboratory Practices, a federal law that prevents submitting false data, and punishes falsifying data as a felony.

Farmers also depend on clean water and bees to produce food for all of us. Likewise, farmers must control the insects and weeds that can decimate your food supply. Neonicotinoid insecticides and glyphosate herbicide are far safer for the environment than many other products that were used in the past. Glyphosate is also vitally important for controlling invasive plant species in Hawaii, and is the only herbicide used in watershed areas, specifically because it is the safest one for also protecting our groundwater.

Mahalo

Stephen Scott

## AGRtestimony

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**From:** Stephanie Whalen <swhalen@harc-hspa.com>  
**Sent:** Monday, February 6, 2017 3:22 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Stephanie Whalen

## **AGRtestimony**

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**From:** DON GERBIG <DRGMAUI@HAWAII.RR.COM>  
**Sent:** Monday, February 6, 2017 3:21 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

DON GERBIG

## **AGRtestimony**

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**From:** Nathaniel Oswald <nloswa@gmail.com>  
**Sent:** Monday, February 6, 2017 2:07 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Nathaniel Oswald

## AGRtestimony

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**From:** Editha Acerador <edithacera2@gmail.com>  
**Sent:** Monday, February 6, 2017 2:07 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Editha Acerador

## AGRtestimony

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**From:** Marc Beaulieu <Marc.r.beaulieu@monsanto.com>  
**Sent:** Monday, February 6, 2017 2:06 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly and toxic products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods. The general public needs factual education, not more fear mongers making up non educated facts and bizarre comments.

Mahalo

Marc Beaulieu

## AGRtestimony

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**From:** Laurie Ho <laurieho1@hawaiiintel.net>  
**Sent:** Monday, February 6, 2017 2:05 PM  
**To:** AGRtestimony  
**Subject:** laurieho1@hawaiiintel.net

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Laurie Ho



## AGRtestimony

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**From:** Alex Franco <afrancokaupo@gmail.com>  
**Sent:** Monday, February 6, 2017 2:01 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Alex Franco

## AGRtestimony

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**From:** Danielle Bicoy <mkkdiver@yahoo.com>  
**Sent:** Monday, February 6, 2017 2:04 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increase production of local foods.

Mahalo

Danielle Bicoy

## **AGRtestimony**

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**From:** Dean Okimoto <deanjokimoto@gmail.com>  
**Sent:** Monday, February 6, 2017 1:55 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Let's use science base and factual information to set policy.

Mahalo

Dean Okimoto

## AGRtestimony

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**From:** Michael Glidden <glidden@hawaii.edu>  
**Sent:** Monday, February 6, 2017 1:55 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Michael Glidden

## AGRtestimony

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**From:** Russell Bernat <Rebernat@gmail.com>  
**Sent:** Monday, February 6, 2017 1:54 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Russell Bernat

## AGRtestimony

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**From:** scot Delacruz <scot.c.delacruz@monsanto.com>  
**Sent:** Monday, February 6, 2017 1:47 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

scot Delacruz

## AGRtestimony

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**From:** Colette Augustiro <mkkcoco@gmail.com>  
**Sent:** Monday, February 6, 2017 1:40 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Colette Augustiro

## AGRtestimony

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**From:** Piilani Augustiro <bigfellahs@gmail.com>  
**Sent:** Monday, February 6, 2017 1:36 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Piilani Augustiro



## **AGRtestimony**

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**From:** Robbie Silva <Robbie.silva@syngenta.com>  
**Sent:** Monday, February 6, 2017 1:35 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Robbie Silva

## AGRtestimony

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**From:** Iris Iwami <irisiwami@yahoo.com>  
**Sent:** Monday, February 6, 2017 1:17 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

We need more locally grown crops for food. Please allow our farmers to keep the tools they may need when the situation arises.

Mahalo

Iris Iwami

## **AGRtestimony**

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**From:** Ernesto Galinato <galiernie@yahoo.com>  
**Sent:** Monday, February 6, 2017 1:15 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Ernesto Galinato

## AGRtestimony

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**From:** Luly Unemori <luly.unemori2@hawaiiantel.net>  
**Sent:** Monday, February 6, 2017 1:08 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Luly Unemori

## AGRtestimony

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**From:** Rhonda Stoltzfus <stoltzfus34@yahoo.com>  
**Sent:** Monday, February 6, 2017 12:49 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Rhonda Stoltzfus

## AGRtestimony

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**From:** Maria Larriera <alejandralarriera@gmail.com>  
**Sent:** Monday, February 6, 2017 12:50 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Maria Larriera

## AGRtestimony

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**From:** Raymond Foster <rfoster252@gmail.com>  
**Sent:** Monday, February 6, 2017 1:05 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

As a member of the Hawaii Agricultural community for over 26 years, I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Raymond Foster

## AGRtestimony

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**From:** Tristan Esmaque <ezzy\_snoop@hotmail.com>  
**Sent:** Monday, February 6, 2017 12:50 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Tristan Esmaque



## AGRtestimony

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**From:** Laurie Yoshida <laurieyoshida@gmail.com>  
**Sent:** Monday, February 6, 2017 12:21 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Laurie Yoshida

## AGRtestimony

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**From:** Joshua Uyehara <joshua.uyehara@gmail.com>  
**Sent:** Monday, February 6, 2017 12:20 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Joshua Uyehara

## **AGRtestimony**

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**From:** kevin killermann <kkillermann6@gmail.com>  
**Sent:** Monday, February 6, 2017 12:16 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

kevin killermann

## AGRtestimony

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**From:** Travis Skelton <travisjskelton@gmail.com>  
**Sent:** Monday, February 6, 2017 12:09 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Travis Skelton

## **AGRtestimony**

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**From:** Helena Miguel <helena.k.miguel@monsanto.com>  
**Sent:** Monday, February 6, 2017 12:08 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Helena Miguel

## AGRtestimony

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**From:** Adam P Killermann <apkajar@gmail.com>  
**Sent:** Monday, February 6, 2017 12:08 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Adam P Killermann

## AGRtestimony

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**From:** Gerardo Rojas <gerardorojasgarcia808@gmail.com>  
**Sent:** Monday, February 6, 2017 12:04 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Gerardo Rojas

## **AGRtestimony**

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**From:** Makani Christensen <Makani.christensen@gmail.com>  
**Sent:** Monday, February 6, 2017 11:58 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Makani Christensen



## AGRtestimony

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**From:** Walter Parada <wparada@rhomac.com>  
**Sent:** Monday, February 6, 2017 11:49 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Walter Parada

## AGRtestimony

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**From:** Richard Meiers <richmeiers@gmail.com>  
**Sent:** Monday, February 6, 2017 11:44 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Also,

Mahalo

Richard Meiers

## AGRtestimony

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**From:** Jamie Barton <jaymebee@gmail.com>  
**Sent:** Monday, February 6, 2017 11:36 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282. I am concerned that glyphosate is being targeted specifically because of its association with Monsanto, not because it is of any actual risk. This is one of the safest herbicides available to farmers, it is completely illogical to make it harder for farmers to use this. All good farmers use IPM practices to reduce pesticide use, limiting the safe products they can use forces them to work with older or less effective chemistries. This bill goes against our goals of increasing local food production, and it will hurt the farmers that are producing our local food now.

Jamie Barton

## AGRtestimony

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**From:** Kai Pelayo <kaipelayo@gmail.com>  
**Sent:** Monday, February 6, 2017 11:35 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Kai Pelayo

## **AGRtestimony**

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**From:** Samuel Tong <stong76470@aol.com>  
**Sent:** Monday, February 6, 2017 11:35 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo,  
Sam Tong

Samuel Tong

## AGRtestimony

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**From:** Beth Tokioka <Bethann@hawaii.rr.com>  
**Sent:** Monday, February 6, 2017 11:30 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Beth Tokioka

## AGRtestimony

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**From:** Kehau Llanos <kumukehau@gmail.com>  
**Sent:** Monday, February 6, 2017 11:23 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo,  
KÄ“hau Llanos

Kehau Llanos

## AGRtestimony

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**From:** Janoah Youn <kaptainjt@yahoo.com>  
**Sent:** Monday, February 6, 2017 11:22 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Janoah Youn



## AGRtestimony

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**From:** Anita Yokota <anita96795@gmail.com>  
**Sent:** Monday, February 6, 2017 11:22 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: [Anita Yokota]  
[Waimanalo]

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** Brad Duff <bradbigislanddairy@gmail.com>  
**Sent:** Monday, February 6, 2017 11:20 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Brad Duff

## AGRtestimony

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**From:** Tim Hering <heringtim@aol.com>  
**Sent:** Monday, February 6, 2017 11:19 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Tim Hering

## AGRtestimony

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**From:** Christine Mattos <tinamattos85@gmail.com>  
**Sent:** Monday, February 6, 2017 11:12 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Christine Mattos

## AGRtestimony

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**From:** Antya Miller <millera012@hawaii.rr.com>  
**Sent:** Monday, February 6, 2017 11:10 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Antya Miller

## AGRtestimony

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**From:** Nickolas Pezel <hokuloap@gmail.com>  
**Sent:** Monday, February 6, 2017 11:03 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Nickolas Pezel

## AGRtestimony

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**From:** John Cross <john@olsontrust.com>  
**Sent:** Monday, February 6, 2017 10:59 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

John Cross

## AGRtestimony

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**From:** Heather Kikkawa <heather.kikkawa@dole.com>  
**Sent:** Monday, February 6, 2017 10:54 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Heather Kikkawa



## AGRtestimony

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**From:** Ron Kauha'aha'a <aaronk@me.com>  
**Sent:** Monday, February 6, 2017 10:49 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Ron Kauha'aha'a

## AGRtestimony

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**From:** Roy Asao <rasao777@aol.com>  
**Sent:** Monday, February 6, 2017 10:47 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Roy Asao

## AGRtestimony

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**From:** Elaine Nakayama <enakayama@beihawaii.com>  
**Sent:** Monday, February 6, 2017 10:58 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282. This bill will take out another pesticide that farmers use in their rotation to prevent resistant strains of pests. By taking out these 2 chemicals, you will also be affecting homeowners that use this on a regular basis. We really need to think this through. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Elaine Nakayama

## **AGRtestimony**

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**From:** Jennifer Ing <waisue@hawaii.rr.com>  
**Sent:** Monday, February 6, 2017 10:44 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Jennifer Ing

## AGRtestimony

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**From:** Dan Springer <dspringer@macfarms.com>  
**Sent:** Monday, February 6, 2017 10:41 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Do you really want to require homeowners to get a license before being allowed to use something as safe as Roundup on their property?

Mahalo

Dan Springer

## AGRtestimony

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**From:** Winifred Marcos <w1n1marc@gmail.com>  
**Sent:** Monday, February 6, 2017 10:36 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Winifred Marcos

## AGRtestimony

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**From:** Joe Para <oahufarming.808@gmail.com>  
**Sent:** Monday, February 6, 2017 10:33 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Joe Para

## AGRtestimony

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**From:** John Ryan Gumtang <varsitarian09@yahoo.com.ph>  
**Sent:** Monday, February 6, 2017 10:29 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

John Ryan Gumtang



## AGRtestimony

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**From:** Larry Keaton <lkeaton@hawaii.rr.com>  
**Sent:** Monday, February 6, 2017 10:19 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Larry Keaton

## AGRtestimony

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**From:** Michael Conway <michael.conway@dole.com>  
**Sent:** Monday, February 6, 2017 10:15 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Michael Conway

## AGRtestimony

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**From:** Nathan Braulick <braulick@gmail.com>  
**Sent:** Monday, February 6, 2017 10:08 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Nathan Leo Braulick  
Honolulu

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** Charles R Berger <Bkfinc@gmail.com>  
**Sent:** Monday, February 6, 2017 10:04 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Charles R Berger

## AGRtestimony

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**From:** Dennis Miyamoto <denmiya@aol.com>  
**Sent:** Monday, February 6, 2017 10:03 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Dennis Miyamoto

## AGRtestimony

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**From:** Nancy Kanna <the.kannas@gmail.com>  
**Sent:** Monday, February 6, 2017 9:56 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

Dear Chairs Lee and Creagan, Vice Chairs Low and DeCoite and members of the Committee on Energy & Environmental Protection and Committee on Agriculture,

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

In an ideal utopian world, our crops would grow without pesticides and fertilizers. But the reality is quite different. Global warming, Hawaii's year-round warm climate, the importation of invasive species, amongst many other factors, contribute to poor production and crop failure.

With Governor Ige's goal to double local food production by 2020, Hawaii farmers need our help and support. Agriculture is a tough business and removing important tools for farmers will only make it that much more difficult.

Mahalo for the opportunity to testify.

Nancy Kanna

## **AGRtestimony**

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**From:** Renee Kester <rkester1@gmail.com>  
**Sent:** Monday, February 6, 2017 9:50 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Renee Kester

## AGRtestimony

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**From:** Rob Cross <cross.teamcatalyst@gmail.com>  
**Sent:** Monday, February 6, 2017 9:34 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: [NAME]  
[TOWN]

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.



## **AGRtestimony**

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**From:** Robin Shimabuku <shimabukur@ctahr.hawaii.edu>  
**Sent:** Monday, February 6, 2017 9:42 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Robin Shimabuku

## AGRtestimony

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**From:** mary@mcneillbrush.com  
**Sent:** Monday, February 6, 2017 9:39 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Mary Stancill, Kamuela, Hawaii Island

Chair Creagan, Vice Chair DeCoite and members of the committee, I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures. Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i. In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

We must protect our islands from this!

Mahalo,  
Mary Stancill



Mary Stancill, CEO  
mary@mcneillbrush.com  
mcneillbrush.com  
808.936.3632  
310.922.6543

## AGRtestimony

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**From:** Loretta Mattos <retta.mattos@gmail.com>  
**Sent:** Monday, February 6, 2017 9:30 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Loretta Mattos

## AGRtestimony

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**From:** Malia Chun <maliac@hawaii.edu>  
**Sent:** Monday, February 6, 2017 9:09 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Malia Chun  
Kekaha, Kauai

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Sent from my iPhone

## AGRtestimony

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**From:** Mark Kijima <kgma1956@gmail.com>  
**Sent:** Monday, February 6, 2017 8:59 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo,

Mark Kijima  
Kula, Hawaii

Mark Kijima

## **AGRtestimony**

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**From:** Michael girod <girodmichael@msn.com>  
**Sent:** Monday, February 6, 2017 8:34 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Michael girod

## AGRtestimony

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**From:** Lisa Kerman <hike2heaven@yahoo.com>  
**Sent:** Monday, February 6, 2017 8:17 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Lisa Kerman

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures. Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i. In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen. There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects. Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity. I urge you to pass HB 1282.

Thank you,

Lisa Kerman  
P.O. Box 1011  
Kilauea, HI. 96754

## AGRtestimony

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**From:** vance collins <vpaulcollins@sbcglobal.net>  
**Sent:** Monday, February 6, 2017 8:11 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: [NAME] [TOWN] Chair Creagan, Vice Chair DeCoite and members of the committee, I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures. Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i. In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen. There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects. Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity. I urge you to pass HB 1282. Thank you.



## **AGRtestimony**

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**From:** Narcisa Gumtang <irenesgumtang@yahoo.com>  
**Sent:** Monday, February 6, 2017 8:09 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Narcisa Gumtang

## AGRtestimony

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**From:** Derrick Thielk <okekai67@gmail.com>  
**Sent:** Monday, February 6, 2017 8:08 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Derrick Thielk

## AGRtestimony

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**From:** Andy Oviedo <andymanoviedo007@msn.com>  
**Sent:** Monday, February 6, 2017 8:00 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Andy Oviedo

## AGRtestimony

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**From:** Cheryl Lansker <clansker@msn.com>  
**Sent:** Monday, February 6, 2017 7:56 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Cheryl Lansker, Papaikou HI

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Sent from my iPhone

## AGRtestimony

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**From:** Bonnie Perreira <blpalh112@gmail.com>  
**Sent:** Monday, February 6, 2017 7:47 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Bonnie Lee Howard  
Hanamaulu

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Sent from my iPhone

## AGRtestimony

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**From:** vance collins <vpaulcollins@sbcglobal.net>  
**Sent:** Monday, February 6, 2017 8:12 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

Vance Collins from Princeville

From: [NAME] [TOWN] Chair Creagan, Vice Chair DeCoite and members of the committee, I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures. Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i. In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen. There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects. Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity. I urge you to pass HB 1282. Thank you.

## AGRtestimony

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**From:** Ryan Melvin <ry-guy@hawaiiintel.net>  
**Sent:** Monday, February 6, 2017 7:41 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Ryan Melvin

## AGRtestimony

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**From:** gilbert rigucira <grigucira@yahoo.com>  
**Sent:** Monday, February 6, 2017 7:22 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

gilbert rigucira



## AGRtestimony

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**From:** Estelita Bolosan <bolosand@yahoo.com>  
**Sent:** Monday, February 6, 2017 7:22 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Estelita Bolosan

## AGRtestimony

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**From:** James Gomes <jag@urmaui.com>  
**Sent:** Monday, February 6, 2017 7:21 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

James Gomes

## AGRtestimony

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**From:** Princess Ann Sombreto <princessannsombreto@gmail.com>  
**Sent:** Monday, February 6, 2017 7:20 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Princess Ann Sombreto

## AGRtestimony

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**From:** Don Henne <hennedon@hotmail.com>  
**Sent:** Monday, February 6, 2017 7:20 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Don Henne

## AGRtestimony

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**From:** john sharrer <jsharrer@gmail.com>  
**Sent:** Monday, February 6, 2017 7:21 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

John Sharrer Paho,Hi.

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Sent from my iPad

## AGRtestimony

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**From:** Esmenia Sombreto <esmeniasombreto@gmail.com>  
**Sent:** Monday, February 6, 2017 7:16 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Esmenia Sombreto

## AGRtestimony

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**From:** Lolita Gamboa <merlito\_gamboa3505@yahoo.com>  
**Sent:** Monday, February 6, 2017 7:12 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Lolita Gamboa

## AGRtestimony

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**From:** Bonnie Brayton <bbrayton@gmail.com>  
**Sent:** Monday, February 6, 2017 7:06 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Thank you for your time,

Bonnie Brayton

Bonnie Brayton



## **AGRtestimony**

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**From:** Maryanne Texeira <Mauiann92@aol.com>  
**Sent:** Monday, February 6, 2017 6:55 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Maryanne Texeira

## AGRtestimony

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**From:** Andrew Arce <akarce@dow.com>  
**Sent:** Monday, February 6, 2017 6:45 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Andrew Arce

## AGRtestimony

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**From:** Chet Ferreira <chet.b.ferreira@monsanto.com>  
**Sent:** Monday, February 6, 2017 6:44 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Chet Ferreira

## AGRtestimony

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**From:** Michelle Tomas <pelehiika@hawaii.rr.com>  
**Sent:** Monday, February 6, 2017 6:39 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Michelle Tomas  
Kailua Kona

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Sent from my iPhone

## AGRtestimony

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**From:** Mark Stoutemyer <Mstoutemyer@hotmail.com>  
**Sent:** Monday, February 6, 2017 6:23 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Mark Stoutemyer

## AGRtestimony

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**From:** John Gordines <gordines@kauaiflowers.com>  
**Sent:** Monday, February 6, 2017 6:21 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

John Gordines

## AGRtestimony

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**From:** Sumner Erdman <spe@urmaui.com>  
**Sent:** Monday, February 6, 2017 5:59 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Sumner Erdman

## AGRtestimony

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**From:** Harry Hashimoto <243hhh@gmail.com>  
**Sent:** Monday, February 6, 2017 5:56 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Harry Hashimoto



## AGRtestimony

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**From:** keith gusman <keonigusman@gmail.com>  
**Sent:** Monday, February 6, 2017 5:42 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

keith gusman

## AGRtestimony

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**From:** Elle Brek <lrbrek@gmail.com>  
**Sent:** Monday, February 6, 2017 5:34 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Laurie Brekke  
Honolulu

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** John Pazzelli <pazzelli014@yahoo.com>  
**Sent:** Monday, February 6, 2017 3:20 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

John Pazzelli

## **AGRtestimony**

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**From:** Craig Nihei <cfnihei@aol.com>  
**Sent:** Monday, February 6, 2017 2:39 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Craig Nihei

## AGRtestimony

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**From:** taoleaf <taoleaf@gmail.com>  
**Sent:** Monday, February 6, 2017 2:19 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Evan Webb  
Kilauea, HI 96754

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

**I urge you to pass HB 1282. Safe Alternatives Exist!**

Thank you.

## AGRtestimony

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**From:** Harold Keyser <harold.keyser@gmail.com>  
**Sent:** Sunday, February 5, 2017 10:52 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

As a scientist who spent a career in research and outreach assisting farmers throughout the world and in Hawaii, I find this bill lacks evidence for its justification, and appears to be written by those who are misinformed and do not know what they are talking about regarding science and agriculture.

According to the most recent scientific and published research, predominant adverse factors affecting bees are the varroa mite and the deformed wing virus they transmit to bees and the Israeli Acute Paralysis Virus. Certain insecticides are harmful to bees, and that is why the EPA already requires instructions for protecting bees on the labels of pesticides that are known to be particularly harmful to bees.

So where is data in Hawaii to show that neonicotinoids are an actual problem for bees? Neonicotinoid pesticides are widely used in food and horticultural production in Hawaii, with real benefits while the risk to bees remains hypothetical. Before legislating with no evidence, a focused risk-benefit analysis should be conducted given the importance of this tool to agriculture.

Glyphosate is one of the safest herbicides known, it breaks down in the soil rapidly, and is a very cost effective tool for agriculture and horticulture. The USDA analyzed pesticide usage on major crops over the last 40 years, and found that "glyphosate has low chronic toxicity and relatively low persistence compared to the herbicides it replaced, . . . is biodegraded by soil bacteria and and it has very low toxicity to mammals, birds and fish."

Those with little understanding of science or agriculture will claim that one agency (IARC) said it probably caused cancer, while not mentioning that all the other national and international agencies investigating the same issue said just the opposite, such as the 40 year USDA study above.

I urge you to oppose HB 1282

Mahalo

Harold Keyser

## AGRtestimony

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**From:** Govinda Rubin <sugosa@gmail.com>  
**Sent:** Sunday, February 5, 2017 10:33 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: [NAME]Govinda Rubin  
[TOWN]Kapaa,Kauai

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** Ibbie White <iwhite001@hawaii.rr.com>  
**Sent:** Sunday, February 5, 2017 9:59 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Ibbie Alshamma, Kilauea

Chair Creagan, Vice Chair DeCoite and members of the committee, I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures. Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i. In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen. There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects. Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity. I urge you to pass HB 1282. Thank you.



## AGRtestimony

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**From:** Rodolfo Sr.Gumtang <ir.gomez808@gmail.com>  
**Sent:** Sunday, February 5, 2017 9:22 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Rodolfo Sr. Gumtang

## AGRtestimony

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**From:** Aristotle Gomez <totie143us@yahoo.com>  
**Sent:** Sunday, February 5, 2017 9:14 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Aristotle Gomez

## AGRtestimony

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**From:** Joni Kamiya <Jonikamiya@gmail.com>  
**Sent:** Sunday, February 5, 2017 9:03 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo,  
Joni Kamiya

Joni Kamiya

## AGRtestimony

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**From:** nix@lifeislight.com  
**Sent:** Sunday, February 5, 2017 8:56 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Dr. John and Debra Nix,  
Chair Creagan, Vice Chair DeCoite and members of the committee,  
We are writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures. Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i. In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen. There is very good scientific evidence that humans require a toxin free environment to survive must less thrive. Please protect the people of Hawaii and the Aina.  
Mahalo,  
Debra and John

Confidentiality Notice: This email is intended only for the person or entity to which it is addressed and may contain confidential information. Any review, retransmission, dissemination or other use of, or taking of any action in reliance upon, this information by persons or entities other than the intended recipient is prohibited. If you receive this email in error, please contact the sender by replying to this email and delete this email and any attachments from all computers without reading or saving the same in any matter whatsoever.

## AGRtestimony

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**From:** Jordyn Robinson <08jobrad@gmail.com>  
**Sent:** Sunday, February 5, 2017 8:44 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Jordyn Robinson

## AGRtestimony

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**From:** douglas wilmore <wilmored002@hawaii.rr.com>  
**Sent:** Sunday, February 5, 2017 8:24 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

Douglas Wilmore  
Kilauea, HI

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

My name is Douglas Wilmore and I am a retired physician living on the island of Kauai. I was a member of the Joint Fact Finding group (JFF) which investigated the relationship between health and the environment and pesticides.

During my professional academic life I worked for 45 years performing and evaluating laboratory and human scientific data. As such, I was elected to the National Academy of Sciences, Engineering and Medicine.

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Douglas Wilmore, M.D.

## AGRtestimony

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**From:** Antonio Perez <tlbpickupresearch@gmail.com>  
**Sent:** Sunday, February 5, 2017 8:15 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Antonio Perez

## AGRtestimony

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**From:** Amanda Kilroy <akilroy88@gmail.com>  
**Sent:** Sunday, February 5, 2017 8:11 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Amanda Kilroy  
Kapa'a HI

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.



## AGRtestimony

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**From:** Harry Hashimoto <243hhh@gmail.com>  
**Sent:** Monday, February 6, 2017 5:56 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Harry Hashimoto

## AGRtestimony

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**From:** keith gusman <keonigusman@gmail.com>  
**Sent:** Monday, February 6, 2017 5:42 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

keith gusman

## AGRtestimony

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**From:** Elle Brek <lrbrek@gmail.com>  
**Sent:** Monday, February 6, 2017 5:34 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

From: Laurie Brekke  
Honolulu

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** John Pazzelli <pazzelli014@yahoo.com>  
**Sent:** Monday, February 6, 2017 3:20 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

John Pazzelli

## **AGRtestimony**

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**From:** Craig Nihei <cfnihei@aol.com>  
**Sent:** Monday, February 6, 2017 2:39 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Craig Nihei

## AGRtestimony

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**From:** taoleaf <taoleaf@gmail.com>  
**Sent:** Monday, February 6, 2017 2:19 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

From: Evan Webb  
Kilauea, HI 96754

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

**I urge you to pass HB 1282. Safe Alternatives Exist!**

Thank you.

## AGRtestimony

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**From:** Harold Keyser <harold.keyser@gmail.com>  
**Sent:** Sunday, February 5, 2017 10:52 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

I am writing in opposition of HB1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

As a scientist who spent a career in research and outreach assisting farmers throughout the world and in Hawaii, I find this bill lacks evidence for its justification, and appears to be written by those who are misinformed and do not know what they are talking about regarding science and agriculture.

According to the most recent scientific and published research, predominant adverse factors affecting bees are the varroa mite and the deformed wing virus they transmit to bees and the Israeli Acute Paralysis Virus. Certain insecticides are harmful to bees, and that is why the EPA already requires instructions for protecting bees on the labels of pesticides that are known to be particularly harmful to bees.

So where is data in Hawaii to show that neonicotinoids are an actual problem for bees? Neonicotinoid pesticides are widely used in food and horticultural production in Hawaii, with real benefits while the risk to bees remains hypothetical. Before legislating with no evidence, a focused risk-benefit analysis should be conducted given the importance of this tool to agriculture.

Glyphosate is one of the safest herbicides known, it breaks down in the soil rapidly, and is a very cost effective tool for agriculture and horticulture. The USDA analyzed pesticide usage on major crops over the last 40 years, and found that "glyphosate has low chronic toxicity and relatively low persistence compared to the herbicides it replaced, . . . is biodegraded by soil bacteria and and it has very low toxicity to mammals, birds and fish."

Those with little understanding of science or agriculture will claim that one agency (IARC) said it probably caused cancer, while not mentioning that all the other national and international agencies investigating the same issue said just the opposite, such as the 40 year USDA study above.

I urge you to oppose HB 1282

Mahalo

Harold Keyser

## AGRtestimony

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**From:** Govinda Rubin <sugosa@gmail.com>  
**Sent:** Sunday, February 5, 2017 10:33 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

From: [NAME]Govinda Rubin  
[TOWN]Kapaa,Kauai

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.



## AGRtestimony

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**From:** Ibbie White <iwhite001@hawaii.rr.com>  
**Sent:** Sunday, February 5, 2017 9:59 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

From: Ibbie Alshamma, Kilauea

Chair Creagan, Vice Chair DeCoite and members of the committee, I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures. Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i. In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen. There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects. Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity. I urge you to pass HB 1282. Thank you.

## AGRtestimony

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**From:** Rodolfo Sr.Gumtang <ir.ggomez808@gmail.com>  
**Sent:** Sunday, February 5, 2017 9:22 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Rodolfo Sr. Gumtang

## AGRtestimony

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**From:** Aristotle Gomez <totie143us@yahoo.com>  
**Sent:** Sunday, February 5, 2017 9:14 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Aristotle Gomez

## AGRtestimony

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**From:** Joni Kamiya <Jonikamiya@gmail.com>  
**Sent:** Sunday, February 5, 2017 9:03 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo,  
Joni Kamiya

Joni Kamiya

## AGRtestimony

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**From:** nix@lifeislight.com  
**Sent:** Sunday, February 5, 2017 8:56 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

From: Dr. John and Debra Nix,  
Chair Creagan, Vice Chair DeCoite and members of the committee,  
We are writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures. Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i. In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen. There is very good scientific evidence that humans require a toxin free environment to survive must less thrive. Please protect the people of Hawaii and the Aina.  
Mahalo,  
Debra and John

Confidentiality Notice: This email is intended only for the person or entity to which it is addressed and may contain confidential information. Any review, retransmission, dissemination or other use of, or taking of any action in reliance upon, this information by persons or entities other than the intended recipient is prohibited. If you receive this email in error, please contact the sender by replying to this email and delete this email and any attachments from all computers without reading or saving the same in any matter whatsoever.

## AGRtestimony

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**From:** Jordyn Robinson <08jobrad@gmail.com>  
**Sent:** Sunday, February 5, 2017 8:44 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Jordyn Robinson

## AGRtestimony

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**From:** douglas wilmore <wilmore002@hawaii.rr.com>  
**Sent:** Sunday, February 5, 2017 8:24 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Douglas Wilmore  
Kilauea, HI

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

My name is Douglas Wilmore and I am a retired physician living on the island of Kauai. I was a member of the Joint Fact Finding group (JFF) which investigated the relationship between health and the environment and pesticides.

During my professional academic life I worked for 45 years performing and evaluating laboratory and human scientific data. As such, I was elected to the National Academy of Sciences, Engineering and Medicine.

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Douglas Wilmore, M.D.

## AGRtestimony

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**From:** Antonio Perez <tlbpickupresearch@gmail.com>  
**Sent:** Sunday, February 5, 2017 8:15 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Antonio Perez



## AGRtestimony

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**From:** Amanda Kilroy <akilroy88@gmail.com>  
**Sent:** Sunday, February 5, 2017 8:11 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

From: Amanda Kilroy  
Kapa'a HI

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

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Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** Lorraine Newman <alohalorraine@gmail.com>  
**Sent:** Sunday, February 5, 2017 8:09 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

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Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you,

Lorraine Newman,  
Kilauea, Kauai

## AGRtestimony

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**From:** Sarah Thompson <sarahentm@gmail.com>  
**Sent:** Sunday, February 5, 2017 7:58 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Sarah Thompson

## AGRtestimony

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**From:** Lesley Patton <grammawl@gmail.com>  
**Sent:** Sunday, February 5, 2017 7:59 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Lesley Patton  
Kapaau HI 96755

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

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There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** Karene Kunimura <kkunimura@hotmail.com>  
**Sent:** Sunday, February 5, 2017 7:47 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Karene Kunimura  
Kalaheo Kauai

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Karene Kunimura

Sent from my iPhone

## AGRtestimony

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**From:** Laila Jayyousi <Kalua1@hotmail.com>  
**Sent:** Sunday, February 5, 2017 7:39 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Laila Jayyousi

## AGRtestimony

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**From:** Susan Cabral <S.kronecabral@gmail.com>  
**Sent:** Sunday, February 5, 2017 7:02 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Susan Cabral

## AGRtestimony

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**From:** Sarah Styan <sarah.styan@hawaiiintel.net>  
**Sent:** Sunday, February 5, 2017 6:48 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Sarah Styan



## AGRtestimony

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**From:** Randy c <kaiwiki.1970@gmail.com>  
**Sent:** Sunday, February 5, 2017 6:44 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Randy c

## AGRtestimony

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**From:** Carol Hart <hartshapekauai@gmail.com>  
**Sent:** Sunday, February 5, 2017 5:49 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Carol Hart  
Kekaha, Kaua'i

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Sent from my iPad

## AGRtestimony

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**From:** jomer blanca <www.jomerblanca@yahoo.com>  
**Sent:** Sunday, February 5, 2017 4:58 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

jomer blanca

## AGRtestimony

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**From:** paradisekauai@yahoo.com  
**Sent:** Sunday, February 5, 2017 4:51 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Eileen Conrad  
3470 LawailOa Lane, Koloa, Hawaii 96756

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

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I urge you to pass HB 1282.

Thank you.

Sent from my iPad

## **AGRtestimony**

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**From:** consolacion Blanca <www.consolacion@yahoo.com>  
**Sent:** Sunday, February 5, 2017 4:34 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

consolacion Blanca

## AGRtestimony

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**From:** kristina joy santiago <kristinajoycsantiago@monsanto.com>  
**Sent:** Sunday, February 5, 2017 3:03 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

kristina joy santiago

## AGRtestimony

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**From:** Anne Towey Joyer <annetoweyjoyer@gmail.com>  
**Sent:** Sunday, February 5, 2017 2:54 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: [NAME]  
[TOWN]

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** sylvias-space@att.net  
**Sent:** Monday, February 6, 2017 4:06 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Sylvia Pope-Young, PO Box 88032, Honolulu, HI 96830

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures. Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen. There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects. Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB1282. Thank you.

Respectfully submitted,

Sylvia Pope-Young



## AGRtestimony

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**From:** Jim Jacobs <jamesjeffreyjacobs@gmail.com>  
**Sent:** Monday, February 6, 2017 2:58 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Jim Jacobs

## AGRtestimony

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**From:** Kali Arce <kaliarce@gmail.com>  
**Sent:** Monday, February 6, 2017 2:47 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Kali Arce

## **AGRtestimony**

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**From:** Blaze Juario <bjsincredibleone@gmail.com>  
**Sent:** Monday, February 6, 2017 2:42 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Blaze Juario

## **AGRtestimony**

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**From:** Michelle Harrington <michelle@emaginewebmarketing.com>  
**Sent:** Sunday, February 5, 2017 2:12 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From:  
Michelle Harrington, Kapaa

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** Javier Mendez <mendezj@hawaii.edu>  
**Sent:** Sunday, February 5, 2017 2:04 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Javier Mendez  
1326B Alewa Dr., Hon., HI 96817-1200

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** Aurora Belle Esmaguél <applebelle@yahoo.com>  
**Sent:** Sunday, February 5, 2017 1:32 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Aurora Belle Esmaguél

## AGRtestimony

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**From:** Judith Rivera <Judith.rivera@gmail.com>  
**Sent:** Sunday, February 5, 2017 1:12 PM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

Judith Rivera

## AGRtestimony

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**From:** Corine Chang <ipoc.m.chang@hotmail.com>  
**Sent:** Sunday, February 5, 2017 1:00 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Corine M Chang  
Mountain View, Hawaii 96771

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.



## AGRtestimony

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**From:** Arika Murphy <arika.hultquist@gmail.com>  
**Sent:** Sunday, February 5, 2017 12:33 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Arjka Rains  
Lahaina, HI

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Aloha and Mahalo from Arika Rains

## AGRtestimony

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**From:** Brandi Wilson <brandiw4444@gmail.com>  
**Sent:** Sunday, February 5, 2017 12:20 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Brandi Wilson  
Kaneohe, HI

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.  
Brandi Wilson

## AGRtestimony

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**From:** Susan and Will <susnwills@yahoo.com>  
**Sent:** Sunday, February 5, 2017 12:06 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Susan Cotter, Kapaa

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

No bees, no honey, just sayin. I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures. Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i. In 2015, the International Agency for Research on Cancer, a division of the world Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen. There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects. Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity. I urge you to pass HB 1282.

Thank you for acting in favor of my vote.  
Susan

## AGRtestimony

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**From:** Tlaloc Tokuda <tlalocct@hotmail.com>  
**Sent:** Sunday, February 5, 2017 12:01 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Tlaloc Tokuda, Kailua Kona 96740

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

Aloha, I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282 we need our bees!.

Mahalo for protecting the bees, us and our aina.

## AGRtestimony

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**From:** Dennis Kleid <denniskleid@att.net>  
**Sent:** Sunday, February 5, 2017 11:31 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition to HB1282. I understand that there has been a tremendous outcry, seemingly worldwide, to reduce the use of glyphosate containing herbicides and the use systemic neonicotinoid insecticides. However, any actual data supporting this hysteria is completely missing. The background statements of HB1282 are actually "alternate facts". Unfortunately, promoters of the anti-GMO and anti-chemicals agenda have inundated us with information that is admittedly in dispute, when actually the information is totally unsupported, contrived, and wrong.

For example HB1282 asserts without citation that: "Scientists have linked the use of systemic neonicotinoid insecticides to the rapid decline of honeybees and other pollinators and to the deterioration of pollinator health." I have no idea what scientist(s) they are referencing since this is not the truth. The Island of Maui has proven this cannot be the case. Here on the island of Maui systemic neonicotinoid insecticides have had an enormous impact on reducing aphids, mealy bug, whitefly etc. on the ornamental plants in the Maui neighborhoods. In particular, the protection of our Plumeria trees is but one example of the value of the neonicotinoid products in fighting the damage. The professional experts from our plant pest control companies help keep our trees and plants healthy. We have a wonderful tool since systemic neonicotinoid treatments are very effective and human contact with these RUP agents is much less than the older toxic and now prohibited substances.

The Island of Maui is nearly completely covered with invasive plant species. Weeds that grow into trees seemingly in days constantly attack my own property. Cutting to the ground the African Tulip tree, baby Kiawe trees, Pampas grass, seems to actually encourage regrowth; pulling them out is very difficult because their roots are too strong. The only workable solutions are the Roundup formulations I can buy at our hardware stores. Please don't take away this tool. Folks that live in high-rise apartments in Honolulu have no idea what it is like to fight the thousands of invasive plants we have on Maui.

Furthermore, there has been NO rapid decline of honeybee pollinators here on Maui. The widespread use of systemic neonicotinoid insecticides here has not resulted in Colony Collapse Disorder (CCD). The beekeepers have been very diligent in keeping the Varroa Destructor Mite off our Island. Here we have extensive use of both systemic neonicotinoid insecticides since they became available, and spraying of glyphosate formulations on sugar cane "ripening" (using the defoliate Polado®), were used year round beginning 1985 by HC&S. None-the-less, these treatments on many thousands of acres in neighborhoods and commercial crops lands for decades have not resulted in CCD here on Maui.

The bill states wrongly: "The increased use of glyphosate in genetically engineered agriculture has resulted in the rapid development and proliferation of previously unknown herbicide-tolerant superweeds." The so-called superweed "pigweed", the thorny fast growing weed that everyone on Maui knows ([en.wikipedia.org/wiki/Amaranthus\\_palmeri](http://en.wikipedia.org/wiki/Amaranthus_palmeri)), has always been resistant to glyphosate. It is rampant on Maui and yes, a problem. But banning the use of Roundup is not going to make it go away since the "superweed" has been here for many decades.

This bill is not helpful as it promises a terrible restriction on the use of important tools in order to solve a problem that simply does not exist here. Speculation that these products are disruptive to bee colonies must be false since we do not have CCD on Maui and the usage of these tools is enormous and important to Maui's agriculture and homeowners.

Mahalo  
Dennis G. Kleid Ph.D. qualifications:

BS Chemistry, University of California 1968 PhD Organic Chemistry, University of Pittsburgh 1972 NIH Fellowship DNA chemistry, MIT, Cambridge 1973-4 NIH Fellowship Molecular Biology, Harvard Bio Labs, Cambridge, 1974 Principle Scientist, DNA Research, Stanford Research Inst. 1975-1978 Sr. Scientist, DNA Research, molecular biology, Genentech Inc 1978-2010

Dennis Kleid

## AGRtestimony

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**From:** RE Lewis <sheltgrl@hawaii.rr.com>  
**Sent:** Sunday, February 5, 2017 11:32 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Drs. Ruth E. and James K. Lewis  
Kalaheo, HI

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

A growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, reveals endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** George Hoffberg <kauaigeo@gmail.com>  
**Sent:** Sunday, February 5, 2017 11:27 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: [NAME]George Hoffberg  
[TOWN]Kihei

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.



## **AGRtestimony**

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**From:** MARIO GAGGERO <tanegg@gmail.com>  
**Sent:** Sunday, February 5, 2017 10:58 AM  
**To:** AGRtestimony  
**Subject:** REGARDING HB 1282: RELATING TO INSECTICIDE AND HERBICIDE USE

I am writing in opposition of HB 1282, as I believe it will only hurt our farmers by forcing them to use more costly products and less effective tools for protecting their crops. Our farmers need our help, not more barriers, to increasing production of local foods.

Mahalo

MARIO GAGGERO

## AGRtestimony

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**From:** Monika Mira <lucidhawaii@mac.com>  
**Sent:** Sunday, February 5, 2017 10:59 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Monika Mira  
Eleele

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Monika Mira  
lucidhawaii@mac.com

## AGRtestimony

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**From:** Mrs. Woods <dbwoodsluv@hotmail.com>  
**Sent:** Sunday, February 5, 2017 10:55 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Denise Woods, RN  
Kapa'a

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

As a nurse and as a resident I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen. Not only that, but new research is suggesting that glyphosate is linked to diabetes and liver disease. My father who has worked with 'roundup' all his life is now severely crippled by diabetes and liver disease. This has mystified doctors since he has no 'known' risks for developing either disease. Please don't let other families suffer the same fate as mine.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** Shay Chan Hodges <shay.chanhodges@gmail.com>  
**Sent:** Sunday, February 5, 2017 10:43 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Shay Chan Hodges  
Haiku, Maui

## AGRtestimony

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**From:** Sylvia Cabral <sylviacabralmaui@gmail.com>  
**Sent:** Sunday, February 5, 2017 10:13 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

Syl cabral kihei

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** valerie hafford <hawyncowgrl@gmail.com>  
**Sent:** Sunday, February 5, 2017 10:14 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Valerie Hafford  
Hilo

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** Theresa Casagram <tcasagram@yahoo.com>  
**Sent:** Sunday, February 5, 2017 9:40 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Theresa Casagram, Koloa

Chair Creagan, Vice Chair DeCoite and members of the committee, I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures. Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i. In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen. There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects. Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity. Killing our pollinators will destroy our island!! I urge you to pass HB 1282. Thank you.

## AGRtestimony

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**From:** James Long <daegnut@gmail.com>  
**Sent:** Sunday, February 5, 2017 9:42 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: [NAME]  
[TOWN]

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

Protect Hawai'i now, thinking globally, acting locally.

I urge you to pass HB 1282.

Thank you.

Aloha 'Āina!



## AGRtestimony

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**From:** Theresa Casagram <tcasagram@yahoo.com>  
**Sent:** Sunday, February 5, 2017 9:39 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Theresa Casagram, Koloa

Chair Creagan, Vice Chair DeCoite and members of the committee, I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures. Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i. In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen. There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects. Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity. Killing our pollinators will destroy our island! I urge you to pass HB 1282. Thank you.

## AGRtestimony

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**From:** Tamara Paltin <tampaltin@gmail.com>  
**Sent:** Sunday, February 5, 2017 9:42 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Tamara Paltin, West Maui

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Sent from my iPhone

## AGRtestimony

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**From:** Cheter Mazurowski <chetkapaa@gmail.com>  
**Sent:** Sunday, February 5, 2017 9:21 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

Chester Mazurowski  
5358 Makaloa Street  
Kapaa, HI 96746

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Sent from my iPad

## AGRtestimony

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**From:** Wicki Van De Veer <wickiart@hotmail.com>  
**Sent:** Sunday, February 5, 2017 9:05 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

Catherine Van De Veer, Hanalei

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Sent from my iPad

## AGRtestimony

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**From:** valerieweiss31@gmail.com  
**Sent:** Sunday, February 5, 2017 9:07 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Valerie Weiss  
Kapaa

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawaii.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

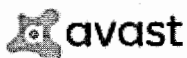
There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Valerie Weiss  
Kapaa



This email has been checked for viruses by Avast antivirus software.  
[www.avast.com](http://www.avast.com)

## AGRtestimony

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**From:** Barclay Hill <bhillmaui@gmail.com>  
**Sent:** Sunday, February 5, 2017 9:00 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

Barclay HillFrom: [NAME]  
[TOWN]Haiku

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

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There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** Michal Stover <mfsleh@yahoo.com>  
**Sent:** Sunday, February 5, 2017 8:58 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Michal Stover, Kilauea, HI 96754

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

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Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** J Moss <moss.jade.e@gmail.com>  
**Sent:** Sunday, February 5, 2017 8:25 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Jade Moss  
Kalaheo  
Mother of 2&4 year olds

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

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There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.



## AGRtestimony

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**From:** Robert Elliot <ihi808re@gmail.com>  
**Sent:** Sunday, February 5, 2017 8:18 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: [NAME] Robert Elliott  
[TOWN] Lihue

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** Shannon McHenry <momgonesurfing@yahoo.com>  
**Sent:** Sunday, February 5, 2017 7:43 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Shannon McHenry  
Lihue

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

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There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

With love and light~ Shannon

## AGRtestimony

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**From:** Barrierose <barrie@barrierose.net>  
**Sent:** Sunday, February 5, 2017 7:15 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Barrie rose  
Kamuela

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

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There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.  
Barrie Rose

## AGRtestimony

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**From:** S Reha <sreha9999@gmail.com>  
**Sent:** Sunday, February 5, 2017 7:05 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

Sandra Reha  
[TOWN] Pahala, Hi. (WoodValley)

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

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Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Sent from my iPad

## AGRtestimony

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**From:** Lewis Thompson <steenrod@me.com>  
**Sent:** Sunday, February 5, 2017 6:58 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Lewis Thompson  
Holualoa, HI

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

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Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Sent from my iPhone

## AGRtestimony

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**From:** David O'Quinn <doquinn@mac.com>  
**Sent:** Sunday, February 5, 2017 6:43 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: David O' Quinn  
Kapaa, HI. 96746

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

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Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Kauai Massage & Intuitive Services

## AGRtestimony

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**From:** Greg Gatchell <greggatchell@hotmail.com>  
**Sent:** Sunday, February 5, 2017 6:12 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From:  
Gregory Gatchell  
Aiea  
Oahu  
Hawaii

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

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Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Sent from my iPhone

## AGRtestimony

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**From:** Chris Santomauro <csantoma@gmail.com>  
**Sent:** Sunday, February 5, 2017 5:53 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Chris Santomauro  
Honolulu

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

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I urge you to pass HB 1282.

Thank you.



## AGRtestimony

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**From:** Brooke Prim <nellelwick@yahoo.com>  
**Sent:** Sunday, February 5, 2017 5:47 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Brooke Prim, Tucson, AZ/Glenwood, HI

Chair Creagan, Vice Chair DeCoite and members of the committee, I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures. Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i. In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen. There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects. Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity. I urge you to pass HB 1282. Thank you.

## AGRtestimony

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**From:** Carolina Visser <carolinavisser11@gmail.com>  
**Sent:** Sunday, February 5, 2017 5:40 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

Carolina visser moody  
Kealakekua

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

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Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Sent from my iPad

## AGRtestimony

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**From:** Joan Heller <myoho@hawaii.rr.com>  
**Sent:** Sunday, February 5, 2017 3:54 AM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

*From: Joan Heller  
Lawai*

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

*I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.*

*Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.*

*In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.*

*There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.*

*Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.*

*I urge you to pass HB 1282.*

*Thank you.*

## AGRtestimony

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**From:** Michael Howells <howellsm@me.com>  
**Sent:** Saturday, February 4, 2017 11:43 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Michael Howells in Manoa

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

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I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** János Samu <janoss@aol.com>  
**Sent:** Saturday, February 4, 2017 11:02 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: János Samu,  
Kalaheo

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures. Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i. In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects. Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity. I urge you to pass HB 1282. Thank you.

János Samu  
Senior Language Consultant  
East-West Concepts, Inc.  
PO Box 527  
Kalaheo, HI 96741  
Phone: 808-332-5220 Fax: 808-443-0286  
[www.eastwestconcepts.com](http://www.eastwestconcepts.com)

## AGRtestimony

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**From:** Wendy <wendywailua@gmail.com>  
**Sent:** Saturday, February 4, 2017 10:45 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Wendy Raebeck  
Kapa`a

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you,

W. Raebeck

## AGRtestimony

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**From:** Joel McDonald <timojo99@gmail.com>  
**Sent:** Saturday, February 4, 2017 10:23 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Joel McDonald  
Kapaa

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** timoryk@googlemail.com  
**Sent:** Saturday, February 4, 2017 10:17 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: timory Mcdonald  
Kapaa

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

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Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Sent from my iPhone



## AGRtestimony

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**From:** William D. Smith <kulalaw@gmail.com>  
**Sent:** Saturday, February 4, 2017 10:00 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Bill Smith, Volcano, HI

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

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Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** Audrey Allencastre <aallencastre@gmail.com>  
**Sent:** Saturday, February 4, 2017 10:00 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Audrey Allencastre  
Ha`iku, Maui

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

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Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** mdeycaza <mdeycaza@yahoo.com>  
**Sent:** Saturday, February 4, 2017 9:50 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Michael deYcaza  
Honolulu

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

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Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.  
Sent from my BLU smartphone device

## AGRtestimony

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**From:** Andrea Brower <abro262@aucklanduni.ac.nz>  
**Sent:** Saturday, February 4, 2017 9:47 PM  
**To:** AGRtestimony  
**Subject:** Strong Support, HB 1282

Andrea Brower, PhD  
Anahola, Kauai

Aloha Chair Creagan and members of the committee,

I am writing in strong support of HB1282, related to the use of neonics and glyphosate.

Mahalo,  
Andrea

## AGRtestimony

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**From:** Andrea Brower <abro262@aucklanduni.ac.nz>  
**Sent:** Saturday, February 4, 2017 9:43 PM  
**To:** AGRtestimony  
**Subject:** Strong Support, HB 1282

Andrea Brower, PhD  
Anahola, Kauai

Aloha Chair Creagan and members of the committee,

I am writing in strong support of HB1282, related to the use of neonics and glyphosate.

Mahalo,  
Andrea

## AGRtestimony

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**From:** Patricia Blair <patriciablair@msn.com>  
**Sent:** Saturday, February 4, 2017 9:43 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

Patricia BlairFrom: [NAME]  
[TOWN]Kailua

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Sent from my iPad

## AGRtestimony

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**From:** Robert Petricci <nimo1767@gmail.com>  
**Sent:** Saturday, February 4, 2017 9:42 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

Robert Petricci  
Pohoiki, Hawaii

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

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I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** leleua loupe <leleualoupe@hotmail.com>  
**Sent:** Saturday, February 4, 2017 9:41 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Leleua Loupe, Hilo

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

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Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.



## AGRtestimony

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**From:** Randall Blake <rcblake@me.com>  
**Sent:** Saturday, February 4, 2017 9:37 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: [NAME]  
[TOWN]

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

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I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** Maria Maitino <mmaitino@gmail.com>  
**Sent:** Saturday, February 4, 2017 9:35 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Maria Maitino  
Kilauea, Kauai

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

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Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Maria Maitino

## **AGRtestimony**

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**From:** Laurie Cell <makaneole@yahoo.com>  
**Sent:** Saturday, February 4, 2017 9:13 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Laurie and Glen Makaneole  
live in Koloa and work in Hanapepe Kauai

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

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Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** John Naylor <jdancer@kula.us>  
**Sent:** Saturday, February 4, 2017 9:13 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

John Naylor  
PO Box 1749  
Makawao

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

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I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** Suzanne Stover <scsaloha@hawaii.rr.com>  
**Sent:** Saturday, February 4, 2017 9:08 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Suzanne Cameron-Stover  
Lihue

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

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Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Rev.Suzanne Cameron-Stover  
*"Knowing that All is working together for Good"*

## AGRtestimony

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**From:** Kater Bourdon <kateralisha@gmail.com>  
**Sent:** Saturday, February 4, 2017 9:01 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Kater Hiney  
Kailua kona

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

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Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

We know the dangers now we can do better for our aina.

Thank you.

## AGRtestimony

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**From:** michael greene <2mikegreene@gmail.com>  
**Sent:** Saturday, February 4, 2017 8:50 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: [NAME]  
michael greene

[TOWN]  
haiku

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

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Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** Elif Cuceloglu Beall <elif.beall@gmail.com>  
**Sent:** Saturday, February 4, 2017 8:48 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

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

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Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you,  
Elif Beall  
Kilauea, HI



## AGRtestimony

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**From:** johnston andrew <droidles@hotmail.com>  
**Sent:** Saturday, February 4, 2017 8:42 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: [NAME]Andrew Johnston  
[TOWN]Kalaheo

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

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I urge you to pass HB 1282.

Thank you.

## AGRtestimony

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**From:** Esti Grinpas <esti@bobstropicals.com>  
**Sent:** Saturday, February 4, 2017 8:40 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: esti grinpas  
kapaa

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

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Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Sent from my iPhone..."Everything is as it should be"

## AGRtestimony

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**From:** Victoria Tewa Holloway <mandalaluna@yahoo.com>  
**Sent:** Saturday, February 4, 2017 8:38 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Victoria Holloway, Princeville HI 96722:

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures. Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

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I urge you to pass HB 1282. Thank you,

Victoria Holloway  
Princeville, HI 96722

## AGRtestimony

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**From:** Claudia Herfurt <claudia@kauaistyle.com>  
**Sent:** Saturday, February 4, 2017 8:35 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Claudia Herfurt  
Hanalei, HI  
Chair Creagan, Vice Chair DeCoite and members of the committee,

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

Neonicotinoids are a class of insecticides, which scientists have linked to the rapid decline of honeybees and other pollinators. Pollinators are critical to nearly 70% of crops in Hawai'i.

In 2015, the International Agency for Research on Cancer, a division of the World Health Organization, and the world's leading authority on cancer, unanimously concluded that glyphosate is a probable carcinogen.

There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.  
Claudia Herfurt

## AGRtestimony

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**From:** Jose J Castillo <jjcastillo@hawaii.rr.com>  
**Sent:** Saturday, February 4, 2017 8:47 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Jose Castillo  
Kalaheo 96741

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

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I urge you to pass HB 1282.

Thank you.

Sent from [BlueMail](#)

## AGRtestimony

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**From:** Suzanne Stover <scsaloha@hawaii.rr.com>  
**Sent:** Saturday, February 4, 2017 9:06 PM  
**To:** AGRtestimony  
**Subject:** In Support of HB 1282 - Neonic & Glyphosate Ban - AGR/EEP

From: Suzanne Cameron-Stover  
Lihue

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

I am writing in strong support of HB1282 which will place a statewide ban on the use of on pollinator harming neonicotinoids, and glyphosate on public land owned or maintained by the State. The bill will also enable Counties to pass similar measures.

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There's also a growing body of evidence on health impacts associated with exposure to glyphosate or RoundUp, such as endocrine disruption, organ damage and birth defects.

Glyphosate has also resulted in the rapid development of herbicide-tolerant superweeds, which tells us that herbicides as a solution don't work in the long term, and may even end up negatively impacting agricultural productivity.

I urge you to pass HB 1282.

Thank you.

Rev.Suzanne Cameron-Stover  
*"Knowing that All is working together for Good"*