

DAVID Y. IGE
Governor

JOSH GREEN
Lt. Governor



PHYLLIS SHIMABUKURO-GEISER
Chairperson, Board of Agriculture

MORRIS M. ATTA
Deputy to the Chairperson

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

**TESTIMONY OF PHYLLIS SHIMABUKURO-GEISER
CHAIRPERSON, BOARD OF AGRICULTURE**

BEFORE THE HOUSE COMMITTEE ON AGRICULTURE

**WEDNESDAY, FEBRUARY 5, 2020
8:35 AM
CONFERENCE ROOM 312**

**HOUSE BILL NO. 2167
RELATING TO SUSTAINABLE AGRICULTURE**

Chairperson Creagan and Members of the Committee:

Thank you for the opportunity to testify on House Bill No. 2167 to establish and implement a three-year crop reimbursement pilot program to reimburse farming operations in the State for the costs of acquiring cover crop seeds or green manure.

The Department supports fully the intent of this measure as long it does not adversely impact priorities in the Executive Biennium budget.

We agree with this measure that cover crops and green manure can provide many benefits to various crops grown by agricultural operations. Planting cover crops can further help agricultural producers reduce their high input costs including fertilizer, pesticides, and herbicides.

Cover crops have been found to mimic soil-building and microbial-friendly conditions in diverse soils, conserve moisture, prevent erosion, runoff, and reduce the crop consumption of irrigation water.

Since local farmers face some of the highest production costs in the country, the goal of this measure to adopt cover crops and green manure as cost-cutting practices with potentially higher yields is desirable.

The Department has one reservation on this bill. On page 3, lines 10 through 13, the measure states the Department shall divide and distribute the available moneys on a first come, first served basis. While this procedure is efficient, we suggest that applicants be screened and rated on the quality of their cover crop and green manure



practices. This alternate procedure is more prudent as recent research has shown that cover crops and green manure in some Hawaii locations may not have the same benefits in different locations due to crop, climate, weather and soil conditions (Pant, et al, 2014).

Likewise, the collection of data from applicant's farm production for cover crops and green manure before and after receiving a cover crop reimbursement could provide valuable information to evaluate the contribution of the intervention and to the overall success of the pilot program.

Thank you for the opportunity to testify on this bill.

HB-2167

Submitted on: 2/3/2020 11:33:36 AM

Testimony for AGR on 2/5/2020 8:35:00 AM

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|-------------------------------------|---------------------------|---------------------------|
| Jun Shin | Young Progressives Demanding Action | Support | No |

Comments:

HB-2167

Submitted on: 2/3/2020 12:07:33 PM

Testimony for AGR on 2/5/2020 8:35:00 AM

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Helmut Klauer | A'a Li'i Farm | Support | No |

Comments:



HAWAI'I CENTER FOR FOOD SAFETY

Senate House Committee on Agriculture ~~and the Environment~~

Hawai'i Center for Food Safety **strongly supports**: HSB2167569

Aloha ~~e~~ Chair Creagan Gabbard, Vice Chair Decoite Riviere, and members of the committee,

My name is Lauryn Rego and I am the Director for the Hawai'i Center for Food Safety (CFS). CFS is a nationwide public interest, sustainable agriculture nonprofit organization whose missions include the promotion of agricultural production methods that are beneficial to the ecosystem. We have over 950,000 farmer and consumer members across the country, including nearly 14,000 in Hawai'i. On behalf of CFS and our members, I thank you for the opportunity to submit testimony today regarding this important bill.

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~~My name is Keani Rawlins-Fernandez and I am with 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 850,000 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.~~

Commented [SW1]: still need to chek this #

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CFS has been dedicated to addressing the human health and environmental impacts of our increased reliance on pesticide use in food production, both in the State of Hawai'i and nationally. We were instrumental in providing legal and communications support in the passage of numerous ordinances relating to pesticide use and disclosure, such as Kaua'i's Bill 2491 and Act 45 (Session Laws of Hawai'i 2018). Since 2014, we have worked closely with community members across the state, in all counties.

~~[Should I say something about being a lawyer, specializing in Environmental Law?]~~

Commented [SW2]: yes that would be useful.

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I am writing in strong support of SB2569-HB2167 which establishes a cover crop reimbursement pilot program to provide up to 100% cost reimbursement to farming operations in the State for acquiring cover crop seeds or green manure.

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Ensuring healthier soil by increasing the carbon content and soil organic matter can help enhance the long-term sustainability of Hawaii's agriculture and its resiliency to climate change. Improving soil health also improves and increases the soil's water holding capacity and water infiltration rate, enhances food crop yields and soil fertility, and beneficial biological microbial diversity and population, reduces soil erosion, and can even reduce atmospheric greenhouse gases by sequestering carbon.

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Numerous sources, both internationally and nationally, have recognized the importance of healthy soils as a critical resource for supplying food security, diverse habitats, water storage,

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office@centerforfoodsafety.org

centerforfoodsafety.org

and climate resiliency. For example, the Food and Agriculture Organization of the United Nations and nations around the world, including the United States Department of Agriculture, has set soil health as a “building block” for climate smart agriculture and forestry. According to the French Ministry of Agriculture, even a small increase in soil carbon stock such as 0.4 percent annual growth rate of the soil carbon stock would make it possible to stop the present increase in atmospheric carbon dioxide, improve soil fertility, increase local agricultural production, and contribute to building climate resiliency.

Several agricultural practices have been shown to improve soil health, including, but not limited to, the use of cover crops, minimal soil disturbance, the utilization of compost and manure, and properly-managed rotational grazing of livestock.

It is in the interest of the State of Hawaii to provide incentives for the use of agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawaii’s agricultural lands, decrease sedimentation of the marine environment, and improve the sustainability and climate resilience of Hawaii’s agricultural sector through sequestering the carbon content or increasing organic matter of the soil.

~~amends the existing make-up of the pesticide advisory committee to better reflect the current economy and current pesticide concerns for the state. SB2569 directs that the committee shall:~~

- ~~—(1) Establish state standards for chronicity to account for low-level continuous exposures;~~
- ~~(2) Evaluate and recommend to the legislature specific changes to the State’s pesticide laws and regulations;~~
- ~~—(3) Revise and expand the Kaua’i agricultural good neighbor program statewide; and~~
- ~~—(4) Establish a comprehensive buffer zone policy for the state.~~

We strongly support HB2167, which will help establish a state program to incentivize cover cropping to serve Hawai’i’s many small farmers who may not qualify for existing national programs due to the length of their leases.

~~As the Kauai Joint Fact-Finding Study group (JFFSG) determined, the regulatory framework for pesticides in the state of Hawaii fails to protect the people of our state. The JFFSG’s pivotal report urges the Hawai’i Governor, State lawmakers, and several State agencies to work in collaboration to better protect residents from exposure to harmful chemicals in the air and water, and to improve the monitoring of both pesticides and chronic illnesses associated with pesticide exposure and this advisory committee will help facilitate bridge the divide between people and the agencies that are meant to protect them.~~

~~Very truly yours,
[Signature]~~

~~The people of Hawai'i have the right to decide that the risks associated with the use of toxic pesticides in commercial agriculture are unacceptable, and take action to reduce and prevent the potential negative impacts of such use.~~

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

Respectfully,



Lauryn Rego
Director, Hawai'i Center for Food Safety

~~Keani Rawlins-Fernandez, J.D.~~
~~Hawaii Center for Food Safety~~

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Pono Hawai'i Initiative

Josh Frost - President • Patrick Shea - Treasurer • Kristin Hamada
Nelson Ho • Summer Starr

Tuesday, February 4, 2020

Relating to Sustainable Agriculture
Testifying in Support

Aloha Chair and members of the committee,

The Pono Hawai'i Initiative (PHI) **supports HB2167 Relating to Sustainable Agriculture**, which creates a cover crop reimbursements pilot program that would reimburse a 100% of the costs to farming operations that acquire cover crop seeds or green manure.

This measure aligns with the State's sustainability goals and will help encourage good agricultural practices. It is in the State's best interest to encourage and incentivize good agricultural management practices.

For all these reasons, we urge you to move this bill forward.

Mahalo for the opportunity,
Gary Hooser
Executive Director
Pono Hawai'i Initiative



Board of Directors:

House Committee on Agriculture

Gary L. Hooser
President

Weds, February 5, 2020, 8:35 a.m., Conference Room 312

Hawai'i Alliance for Progressive Action strongly supports: HB 2167

Andrea N. Brower
Ikaika M. Hussey
Co-Vice Presidents

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

Kim Coco Iwamoto
Treasurer

I am submitting testimony on behalf of the Hawai'i Alliance for Progressive Action (HAPA) in strong support of HB 2167 which establishes a cover crop reimbursement pilot program to provide up to 100% cost reimbursement to farming operations in the State for acquiring cover crop seeds or green manure.

Bart E. Dame
Secretary

Paul Achitoff

Farmers are currently facing the most difficult agricultural economy since the 1980s. At the same time, many states are wrestling with the necessity of addressing environmental challenges. Many agricultural conservation practices offer multiple environmental and economic benefits for farmers and society. However, any farm management transition involves a certain amount of cost and risk, and some conservation practices offer purely public benefits. For these reasons, public programs that support farmers in adopting agricultural conservation practices are a critical element in advancing conservation broadly. [1]

Laura Harrelson

Kaleikoa Ka'eo

Michael Miranda

Walter Ritte Jr.

Pua Rossi-Fukino

Karen Shishido

Cover cropping is one such conservation practice that has been proven to provide multiple environmental and economic benefits. Cover crops have the potential to provide multiple benefits in a cropping system. They prevent erosion, improve soil's physical and biological properties, supply nutrients, suppress weeds, improve the availability of soil water, and break pest cycles along with various other benefits. [2]

Leslie Malulani Shizue Miki

Some farmers in Hawaii are already able to benefit from federal cover crop incentive programs administered by the Natural Resources Conservation Services (NRCS), Environmental Quality Incentives Program (EQIP) or the conservation stewardship program. A state-funded incentives program would complement federal programs by reaching farmers not currently meeting NRCS eligibility due to the length of their lease or other factors.

Please consider supporting HB 2167 which will both the economic viability of our local farmers as well as environmental conservation efforts.

Respectfully,



Anne Frederick,
Executive Director

[1] Innovative State-Led Efforts to Finance Agricultural Conservation: John Feldmann and Vincent Gauthier Master of Environmental Management candidates (2019) Nicholas School of the Environment, Duke University Maggie Monast and Mark Rupp Environmental Defense Fund Britt Aasmundstad National Association of State Departments of Agriculture;
<https://www.edf.org/sites/default/files/documents/innovative-state-led-efforts-finance-agricultural-conservation.pdf>

[2] Cover cropping to improve climate resilience; USDA Northeast Climate Hub;
<https://www.climatehubs.usda.gov/hubs/northeast/topic/cover-cropping-improve-climate-resilience>

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

HB2167, Relating to Sustainable Agriculture
Hse AGR Hearing
Wednesday, February 5, 2020
8:35am
Conference Room 312

Testimony by: Larry Jeffs
Position: Support

Chair Creagan, Vice Chair DeCoite and Members of the House AGR Committee:

I am Larry Jeffs, owner and operator of Larry Jeffs Farms, LLC, which is part of our family-run business of farms on Oahu and Molokai, under the administrative umbrella of Sugarland Growers, Inc. We have more than 35 years of Hawaii farm experience on Molokai and Oahu. I am a volunteer director for the West Oahu Soil and Water Conservation District (SWCD).

As a soil conservation participant and from my own farming experience, I know that cover crop planting is an important and effective method of increasing crop production by replenishing soil nutrients, preventing erosion and nonpoint source pollution. Establishing the proposed pilot cover crop reimbursement program will increase the number of farmers who can then afford to buy cover crop seeds. This fits in well with overall farm production best practices.

Your support of this program is appreciated and needed. Thank you for consideration of this testimony.



SIERRA CLUB OF HAWAI'I

HOUSE COMMITTEE ON AGRICULTURE

February 5, 2020 8:35 AM Room 312

In **SUPPORT** of **HB2167**: Relating to Sustainable Agriculture

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

On behalf of our 20,000 members and supporters, the Sierra Club of Hawai'i **supports HB2167**, which establishes and appropriates funding for a cover crop reimbursement pilot program within the state Department of Agriculture to provide up to 100% reimbursement to farmers for purchase of cover crop seed. Support for practices that foster healthy soils, such as the planting of cover crops, is a priority of the Sierra Club during the 2020 legislative session.

Improved soil health is good for agriculture

The United States Department of Agriculture affirms that managing soil health is “one of the most effective ways for farmers to increase crop productivity and profitability while improving the environment.” Both small and large producers who implement practices to improve soils see benefits such as increased crop production from encouraging soils rich in organic matter and nutrients, increased profit from optimizing inputs by reducing the need for fertilizers, pesticides, and water, and reduced farm labor and machinery fuel expenses.¹

Improved soil health benefits the climate

Studies from the Intergovernmental Panel on Climate Change show that agriculture, forestry, and other types of land use account for 23% of human greenhouse gas emissions, making it a significant contributor to the climate crisis. At the same time, natural land processes absorb carbon dioxide equivalent to almost a third of carbon dioxide emissions from fossil fuels and industry practices.² Modern agricultural practices can be improved to harness the natural power of photosynthesis in plants to pull carbon from the atmosphere and sequester it in the ground.

Cover crops can improve soil health

Incorporation of cover crops into production systems can have economic and environmental benefits. So much so that the USDA Natural Resource Conservation Service's Environmental Quality Incentive Program (EQIP) supports land managers to implement conservation best practices like cover cropping. In fact, cover cropping is one of the top ten most commonly used

¹ <https://www.nrcs.usda.gov/wps/portal/nrcs/main/national/soils/health/>

² https://www.ipcc.ch/2019/08/08/land-is-a-critical-resource_srccl/

conservation practices in EQIP contracts in Hawaii.³ However, not nearly all local farms are able to access conservation planning and federal funding programs. We support this bill as a low cost means to enable and expand the adoption of conservation practices on Hawaii farms.

Achieving sustainability in our food and agricultural systems requires not just the stable foundation of research and willingness of producers but governmental support and leadership. Programs such as this simultaneously combat local crises of degraded soil restoration and the global carbon calamity by reducing the cost burden to farmers adopting agroecological production methods.

Thank you very much for this opportunity to provide testimony in **support of SB2704**.

Mahalo,
Hunter Heavilin
O'ahu Group Executive Committee Chair
Volunteer, Sierra Club of Hawai'i

PhD Student in Political Agroecology
Department of Geography & Environment
University of Hawai'i at Manoa

³ <https://conservation.ewg.org/eqip.php?fips=15000>



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February 5, 2020

HEARING BEFORE THE
HOUSE COMMITTEE ON AGRICULTURE

TESTIMONY ON HB 2167
RELATING TO SUSTAINABLE AGRICULTURE

LATE

Room 312
8:35 AM

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

I am Brian Miyamoto, Executive Director of the Hawaii Farm Bureau (HFB). Organized since 1948, the HFB is comprised of 1,800 farm family members statewide, and serves as Hawaii's voice of agriculture to protect, advocate and advance the social, economic and educational interests of our diverse agricultural community.

The Hawaii Farm Bureau supports HB 2167 which establishes and appropriates funds for a cover crop reimbursement pilot program under the Department of Agriculture to provide up to 100% cost reimbursement to farming operations in the State for acquiring cover crop seeds or green manure.

HFB agrees that the use of cover crops and green manure increases agricultural productivity and is a beneficial management practice. We do have some concern however, about how this program may be prioritized among the many essential and urgent agricultural needs competing for the same pot of money.

Thank you for your support of Hawaii agriculture.

HB-2167

Submitted on: 2/5/2020 5:40:50 AM

Testimony for AGR on 2/5/2020 8:35:00 AM

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Simon Russell | Farm Maui LLC | Support | Yes |

Comments:

HB-2167

Submitted on: 2/3/2020 1:20:12 PM

Testimony for AGR on 2/5/2020 8:35:00 AM

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------------|---------------------|---------------------------|---------------------------|
| Mike Moran | Individual | Support | No |

Comments:

decoite2 - Aurielle

From: ksorr8@everyactioncustom.com on behalf of Katherine Orr <ksorr8@everyactioncustom.com>
Sent: Monday, February 3, 2020 2:05 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

If there is one most important thing we can do to promote Hawaii's food security and sustainability, it is to encourage farming practices that improve the quality of our soil.

We now know that modern agricultural practices are unsustainable, largely because they have gradually degraded the quality of farmed soils. Now we must regenerate the soil, because healthy soil is the foundation for an amazing list of benefits that reach all aspects of life. Better soil quality helps grow more nutritious crops. More nutritious crops, in turn, bring better health to those who eat them. (Better health, among other things, means fewer medical bills and less drain on our health care system.) Better soil quality helps reduce greenhouse gases (thus slowing global warming) and it also reduces soil erosion (which harms our islands in multiple ways, including increasing offshore sedimentation that harms coral reefs).

We must reverse the current trend of soil degeneration and erosion by building and improving the quality of our soil, which increases the amount of organic matter it contains.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits. This is an important farming and land management practice that must be restored. We can do this by providing incentives to encourage using cover crops. Please support bills HB2167 and SB2704.

The best investment we can make is to promote these regenerative practices because they are foundational; they are practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Katherine Orr
44 -119 Bayview Haven Pl Kaneohe, HI 96744-2502

decoite2 - Aurielle

From: avisuz@everyactioncustom.com on behalf of Susanne Kiriaty
<avisuz@everyactioncustom.com>
Sent: Monday, February 3, 2020 12:06 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Heathy Soils

Dear Hawai'i State House Agriculture Committee,

Please help to make our environment better for you & yours & us too & ours*!

BLESSINGS for all who really care *TOGETHER* for each other!

THANK YOU!

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Susanne Kiriaty
PO Box 791265 Paia, HI 96779-1265

HB-2167

Submitted on: 2/3/2020 11:24:14 PM

Testimony for AGR on 2/5/2020 8:35:00 AM

| Submitted By | Organization | Testifier Position | Present at Hearing |
|-----------------------------|----------------------|---------------------------|---------------------------|
| Jennifer Azuma Chrupalyk | FAM Farmer Cohort #5 | Support | Yes |

Comments:

HB-2167

Submitted on: 2/4/2020 7:56:22 AM

Testimony for AGR on 2/5/2020 8:35:00 AM

| Submitted By | Organization | Testifier Position | Present at Hearing |
|-----------------------------|---------------------|---------------------------|---------------------------|
| Dr Kimberly Turnbull, DC | Individual | Support | No |

Comments:

This is a brilliant idea. It makes me wonder why no one has thought of it before. Cover crops offer multiple benefits and the expense is really quite small. I support this bill and I hope you will also.

Aloha

decoite2 - Aurielle

From: panther_dave@everyactioncustom.com on behalf of Dave Kisor
<panther_dave@everyactioncustom.com>
Sent: Monday, February 3, 2020 4:06 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Heathy Soils

Dear Hawai'i State House Agriculture Committee,

You may be aware of the untenable position we occupy in the middle of the Pacific Ocean. We have grocery stores coming out of our arm pits, but in the event something happened to cut us off from the rest of the world, we would still need to feed ourselves. Remember pig fences while you're at it, because they'll do their best to eat too. Outside of the fence should be a pig plot, so they won't concentrate on getting into the protected farm. They are intelligent creatures.

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Dave Kisor
14 -3444 Tutu Ln Paho, HI 96778-8115

decoite2 - Aurielle

From: jimcazelphoto@everyactioncustom.com on behalf of Jim Cazel
<jimcazelphoto@everyactioncustom.com>
Sent: Monday, February 3, 2020 4:45 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Heathy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Jim Cazel
1009 Alaea St Makawao, HI 96768-9307

decoite2 - Aurielle

From: bobbi@everyactioncustom.com on behalf of Bobbi Misiti
<bobbi@everyactioncustom.com>
Sent: Monday, February 3, 2020 11:35 AM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

I believe the answer to the health crisis many people face is in our food system. Healthy soils are the best way to get more nutrients that help our body's heal, regenerate, and thrive. My vote will go to the candidate that supports our ecological health.

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Bobbi Misiti
1214 W Kuiaha Rd Haiku, HI 96708-5520

decoite2 - Aurielle

From: elisabeth_iwata@everyactioncustom.com on behalf of Elisabeth Iwata
<elisabeth_iwata@everyactioncustom.com>
Sent: Monday, February 3, 2020 11:01 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Heathy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability for our keiki of tomorrow.

Mahalo!

Sincerely,
Elisabeth Iwata
3138 Waialae Ave Apt 525 Honolulu, HI 96816-1548

HB2167

Multiple Testifier

1. Gregory Puppoine
2. John Naylor
3. Ed Mayo
4. Bobbi Misti
5. Sean Anderson
6. Nalei Kahakalau
7. Eliel Starbright
8. Helmut Klauer
9. Tasia Yamamura
10. Marilyn Mick
11. April Peterson
12. John Nix
13. Debra Nix
14. Terry Huth
15. Barbara Barry
16. John Mora
17. Zoe Alexander
18. Mary True
19. Elaine Logan
20. Lionle Ortiz
21. Alan Gottlieb
22. Wesley K Nanamori
23. Sulara James
24. Geraldine Tremblay
25. Katharine Ayers
26. Michael deYcaza
27. Cathy Roberts
28. Donna sheperd
29. Terry Akana
30. Julie sharrer
31. Michele Nihipali
32. Katherine Kane
33. Marlies Lee
34. Elisabeth Iwata
35. David Sutton
36. Lorrie Swarts
37. Theresa Thompson
38. Jessica Graham
39. Mark Holland
40. Judy Walker
41. Debra Vitola

decoite2 - Aurielle

From: casadycats@everyactioncustom.com on behalf of Lisa Martin
<casadycats@everyactioncustom.com>
Sent: Monday, February 3, 2020 1:25 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Lisa Martin
7288 Ninini Pl Honolulu, HI 96825-2735

decoite2 - Aurielle

From: 2hawnsoul4kupuna2mapu@everyactioncustom.com on behalf of April Peterson
<2hawnsoul4kupuna2mapu@everyactioncustom.com>
Sent: Monday, February 3, 2020 12:10 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
April Peterson
400 Hualani St Hilo, HI 96720-4378

decoite2 - Aurielle

From: begoniabarry@everyactioncustom.com on behalf of Barbara Barry
<begoniabarry@everyactioncustom.com>
Sent: Monday, February 3, 2020 12:30 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Heathy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Barbara Barry
1220 W Kuiaha Rd Haiku, HI 96708-5520

decoite2 - Aurielle

From: cputnamroberts@everyactioncustom.com on behalf of Cathy Roberts
<cputnamroberts@everyactioncustom.com>
Sent: Monday, February 3, 2020 4:22 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Heathy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Cathy Roberts
PO Box 8903 Honolulu, HI 96830-0903

decoite2 - Aurielle

From: malamaourworld@everyactioncustom.com on behalf of David Sutton
<malamaourworld@everyactioncustom.com>
Sent: Monday, February 3, 2020 8:41 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Heathy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
David Sutton
7561 Koolau Rd Kilauea, HI 96754-5579

decoite2 - Aurielle

From: info@everyactioncustom.com on behalf of Debra Nix <info@everyactioncustom.com>
Sent: Monday, February 3, 2020 12:22 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Heathy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Debra Nix
PO Box 808 Kihei, HI 96753-0808

decoite2 - Aurielle

From: tcb609@everyactioncustom.com on behalf of Debra Vitola <tcb609@everyactioncustom.com>
Sent: Monday, February 3, 2020 5:40 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Debra Vitola
77 -6538 Naniloa Dr Kailua Kona, HI 96740-2426

decoite2 - Aurielle

From: dsue@everyactioncustom.com on behalf of Donna Shepherd
<dsue@everyactioncustom.com>
Sent: Tuesday, February 4, 2020 10:11 AM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Heathy Soils
Categories: Blue Category

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Donna Shepherd
73 -1162 Oluolu St Kailua Kona, HI 96740-9445

decoite2 - Aurielle

From: earthling808@everyactioncustom.com on behalf of ed moya <earthling808@everyactioncustom.com>
Sent: Monday, February 3, 2020 11:38 AM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,

ed moya

91 -1071 Kanela St Ewa Beach, HI 96706-5957

decoite2 - Aurielle

From: loveatmyworld@everyactioncustom.com on behalf of elaine logan
<loveatmyworld@everyactioncustom.com>
Sent: Monday, February 3, 2020 1:13 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Heathy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
elaine logan
PO Box 898 Kilauea, HI 96754-0898

decoite2 - Aurielle

From: elielstarbright@everyactioncustom.com on behalf of ELIEL STARBRIGHT
<elielstarbright@everyactioncustom.com>
Sent: Monday, February 3, 2020 11:57 AM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Heathy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
ELIEL STARBRIGHT
5306 Kahala St Kapaa, HI 96746-2219

decoite2 - Aurielle

From: gltremblay7@everyactioncustom.com on behalf of geraldine tremblay <gltremblay7@everyactioncustom.com>
Sent: Monday, February 3, 2020 3:04 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
geraldine tremblay
84 -256 Makaha Valley Rd Waianae, HI 96792-2129

decoite2 - Aurielle

From: gpuppione@everyactioncustom.com on behalf of Gregory Puppione
<gpuppione@everyactioncustom.com>
Sent: Monday, February 3, 2020 11:19 AM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

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Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Gregory Puppione
563 Kamoku St # A-5 Honolulu, HI 96826-5245

decoite2 - Aurielle

From: helmut@everyactioncustom.com on behalf of Helmut Klauer
<helmut@everyactioncustom.com>
Sent: Monday, February 3, 2020 12:00 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

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Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Helmut Klauer
PO Box 2208 Pahoehoe, HI 96778-2201

decoite2 - Aurielle

From: JessicaGraham1@everyactioncustom.com on behalf of Jessica Graham <JessicaGraham1@everyactioncustom.com>
Sent: Monday, February 3, 2020 8:05 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Heathy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

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Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Jessica Graham
471 Hinano Way Apt A Kailua, HI 96734-5514

decoite2 - Aurielle

From: jbmconstruction1@everyactioncustom.com on behalf of John Mora <jbmconstruction1@everyactioncustom.com>
Sent: Monday, February 3, 2020 12:36 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
John Mora
PO Box 1693 Kapaa, HI 96746-5693

decoite2 - Aurielle

From: jdancer@everyactioncustom.com on behalf of John Naylor
<jdancer@everyactioncustom.com>
Sent: Monday, February 3, 2020 11:19 AM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Heathy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

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Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
John Naylor
PO Box 1749 Makawao, HI 96768-1749

decoite2 - Aurielle

From: nix@everyactioncustom.com on behalf of John Nix <nix@everyactioncustom.com>
Sent: Monday, February 3, 2020 12:21 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

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Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
John Nix
PO Box 808 Kihei, HI 96753-0808

decoite2 - Aurielle

From: joodiekay@everyactioncustom.com on behalf of Judy Walker
<joodiekay@everyactioncustom.com>
Sent: Monday, February 3, 2020 7:41 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

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Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Judy Walker
PO Box 1957 Hilo, HI 96721-1957

decoite2 - Aurielle

From: harpiano@everyactioncustom.com on behalf of Julie Sharrer
<harpiano@everyactioncustom.com>
Sent: Tuesday, February 4, 2020 6:21 AM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

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Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Julie Sharrer
PO Box 1851 Pahoehoa, HI 96778-1851

decoite2 - Aurielle

From: kayersmaui@everyactioncustom.com on behalf of Katharine Ayers
<kayersmaui@everyactioncustom.com>
Sent: Monday, February 3, 2020 2:31 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

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Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Katharine Ayers
99 Ala Apapa Pl Makawao, HI 96768-8465

decoite2 - Aurielle

From: kanek@everyactioncustom.com on behalf of Katherine Kane
<kanek@everyactioncustom.com>
Sent: Tuesday, February 4, 2020 1:04 AM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Heathy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

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Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Katherine Kane
370 Ilimalia Loop Kailua, HI 96734-1851

decoite2 - Aurielle

From: lionelkortiz@everyactioncustom.com on behalf of Lionel Ortiz
<lionelkortiz@everyactioncustom.com>
Sent: Monday, February 3, 2020 12:59 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Heathy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

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Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Lionel Ortiz
47 -682 Waiohia St Kaneohe, HI 96744-4935

decoite2 - Aurielle

From: lordon2014@everyactioncustom.com on behalf of Lorrie Swartz <lordon2014@everyactioncustom.com>
Sent: Monday, February 3, 2020 8:26 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

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Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Lorrie Swartz
PO Box 368 Kalaheo, HI 96741-0368

decoite2 - Aurielle

From: m2@everyactioncustom.com on behalf of Marilyn Mick <m2@everyactioncustom.com>
Sent: Monday, February 3, 2020 12:09 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Marilyn Mick
3773 Kanaina Ave Apt 207 Honolulu, HI 96815-4406

decoite2 - Aurielle

From: backstop7@everyactioncustom.com on behalf of Mark Holland <backstop7@everyactioncustom.com>
Sent: Monday, February 3, 2020 8:02 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Mark Holland
2430 S Kihei Rd Kihei, HI 96753-6297

decoite2 - Aurielle

From: marlieslee@everyactioncustom.com on behalf of Marlies Lee
<marlieslee@everyactioncustom.com>
Sent: Monday, February 3, 2020 11:35 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Heathy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

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Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Marlies Lee
73 -1001 Kukuinui St Kailua Kona, HI 96740

decoite2 - Aurielle

From: streamgirll@everyactioncustom.com on behalf of Mary True
<streamgirll@everyactioncustom.com>
Sent: Monday, February 3, 2020 1:07 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

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Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Mary True
PO Box 1020 Pepeekeo, HI 96783-1020

decoite2 - Aurielle

From: mdeycaza@everyactioncustom.com on behalf of Michael deYcaza
<mdeycaza@everyactioncustom.com>
Sent: Monday, February 3, 2020 2:34 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Heathy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

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Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Michael deYcaza
21 S Kuakini St Apt 320 Honolulu, HI 96813-1647

decoite2 - Aurielle

From: nihipalim001@everyactioncustom.com on behalf of Michele Nihipali <nihipalim001@everyactioncustom.com>
Sent: Tuesday, February 4, 2020 4:29 AM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Heathy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

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Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Michele Nihipali
54 -074 Kamehameha Hwy # A Hauula, HI 96717-9647

decoite2 - Aurielle

From: haloa@everyactioncustom.com on behalf of Nalei Kahakalau
<haloa@everyactioncustom.com>
Sent: Monday, February 3, 2020 11:55 AM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

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Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Nalei Kahakalau
PO Box 1764 Honokaa, HI 96727-1764

decoite2 - Aurielle

From: seander6@everyactioncustom.com on behalf of Sean Anderson <seander6@everyactioncustom.com>
Sent: Monday, February 3, 2020 11:27 AM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

Aloha,

As a full time farmer dedicated to regenerative natural farming practices I know first hand the benefit of building healthy soil. I also know firsthand the often high cost of using such practices. The benefits immensely outweigh the costs, but those benefits are not translated into dollars in my account. The benefits are for the Natural ecosystems, for the water, the air, the microorganisms, and for future generations.

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Sean Anderson
41 -756 Mahailua St Waimanalo, HI 96795-1119

decoite2 - Aurielle

From: sulara@everyactioncustom.com on behalf of Sulara James
<sulara@everyactioncustom.com>
Sent: Monday, February 3, 2020 1:39 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Heathy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

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Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Sulara James
726 Kumulani Dr Kihei, HI 96753-9227

decoite2 - Aurielle

From: tasiay@everyactioncustom.com on behalf of Tasia Yamamura
<tasiay@everyactioncustom.com>
Sent: Monday, February 3, 2020 12:03 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

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Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Tasia Yamamura
84 -203 Water St Waianae, HI 96792-1839

decoite2 - Aurielle

From: terrysueakana@everyactioncustom.com on behalf of Terry Akana
<terrysueakana@everyactioncustom.com>
Sent: Tuesday, February 4, 2020 7:42 AM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Heathy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Terry Akana
91 -1053 Maulihiwa St Kapolei, HI 96707-2915

decoite2 - Aurielle

From: tl_huth@everyactioncustom.com on behalf of Terry Huth
<tl_huth@everyactioncustom.com>
Sent: Monday, February 3, 2020 12:22 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

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Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Terry Huth
2366 Puu Mala Pl Kihei, HI 96753-7146

decoite2 - Aurielle

From: ranchgirl808@everyactioncustom.com on behalf of Theresa Thompson <ranchgirl808@everyactioncustom.com>
Sent: Monday, February 3, 2020 8:17 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

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Mahalo!

Sincerely,
Theresa Thompson
989 Hiehie St Makawao, HI 96768-9317

decoite2 - Aurielle

From: wnan003@everyactioncustom.com on behalf of Wesley K.Nanamori <wnan003@everyactioncustom.com>
Sent: Monday, February 3, 2020 1:38 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Wesley K. Nanamori
2241 Young St Honolulu, HI 96826-2306

decoite2 - Aurielle

From: mauizoe@everyactioncustom.com on behalf of Zoe Alexander
<mauizoe@everyactioncustom.com>
Sent: Monday, February 3, 2020 12:35 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Heathy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Zoe Alexander
222 Peahi Rd Haiku, HI 96708-5446

decoite2 - Aurielle

From: seander6@everyactioncustom.com on behalf of Sean Anderson <seander6@everyactioncustom.com>
Sent: Monday, February 3, 2020 11:27 AM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

Aloha,

As a full time farmer dedicated to regenerative natural farming practices I know first hand the benefit of building healthy soil. I also know firsthand the often high cost of using such practices. The benefits immensely outweigh the costs, but those benefits are not translated into dollars in my account. The benefits are for the Natural ecosystems, for the water, the air, the microorganisms, and for future generations.

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Sean Anderson
41 -756 Mahailua St Waimanalo, HI 96795-1119

decoite2 - Aurielle

From: causelessbliss@everyactioncustom.com on behalf of Melanie Cahan
<causelessbliss@everyactioncustom.com>
Sent: Tuesday, February 4, 2020 1:34 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Melanie Cahan
888 Iwilei Rd Honolulu, HI 96817-5036

decoite2 - Aurielle

From: JFUJIOKA@everyactioncustom.com on behalf of JULIA FUJIOKA
<JFUJIOKA@everyactioncustom.com>
Sent: Tuesday, February 4, 2020 11:49 AM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils

Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
JULIA FUJIOKA
99 -826 Halawa Dr Aiea, HI 96701-3144

HB-2167

Submitted on: 2/4/2020 3:36:54 PM

Testimony for AGR on 2/5/2020 8:35:00 AM

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

Comments:

I strongly support this bill. It is an important step towards protecting the the people and the natural environment here in Hawaii. We need more transparency and higher penalties for pesticide use violations. In light of recent lawsuits and court rulings in regard to health related risks of pesticides, it is imperative that we enact laws that provide a clear framework and enforcement of safety regarding the ue of these restricted use pesticides.

The independent Joint Fact Finding (JFF) Study Group, issued in May 2016, points out that there is a need for more timely pesticide inspections and compliance investigations, as well as better reporting on the results of pesticide inspections and investigations. According to the same study, the use of drift-prone pesticides should be more strictly monitored through inspections and proven violators should be fined.

HB2114 is an important step that needs to be taken now in our state.

Please pass this bill.

Sincerely,

Marion McHenry

Kauai

AGRtestimony

From: mark@everyactioncustom.com on behalf of Mark Damon
<mark@everyactioncustom.com>
Sent: Tuesday, February 4, 2020 8:06 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Healthy Soils



Dear Hawai'i State House Agriculture Committee,

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits.

Now is the time to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability!

Mahalo!

Sincerely,
Mark Damon
150 Pulehunui Rd Kula, HI 96790-9718

AGRtestimony

From: palmtree7@everyactioncustom.com on behalf of Janice Palma-Glennie <palmtree7@everyactioncustom.com>
Sent: Tuesday, February 4, 2020 5:44 PM
To: AGRtestimony
Subject: Support HB2167: Support for Incentivizing Heathy Soils

Dear Hawai'i State House Agriculture Committee,

Aloha,



As a person involved in Hawaii agriculture and horticulture for over 3 decades, I understand what it takes to keep plants healthy. one of the main essential ingredients is healthy soil.

It is in the interest of the State of Hawai'i to provide incentives to encourage agricultural land management practices that will provide greenhouse gas benefits, enhance the sustainability of Hawai'i's agricultural lands, and decrease sedimentation of the marine environment. We must improve the sustainability and climate resilience of Hawai'i's agricultural sector through sequestering carbon content or increasing organic matter of the soil.

The use of cover crops is an agricultural practice that has been shown to provide all of the above benefits as well as helping to lessen the use of valuable potable water.

please act now to invest in the regenerative practices that will shape the future of Hawai'i's food sustainability

Mahalo and sincerely,

Sincerely,
Janice Palma-Glennie
PO Box 4849 Kailua Kona, HI 96745-4849