SB 2746

SHAN S. TSUTSUI Lt. Governor



SCOTT E. ENRIGHT Chairperson, Board of Agriculture

PHYLLIS SHIMABUKURO-GEISER Deputy to the Chairperson

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

TESTIMONY OF SCOTT E. ENRIGHT CHAIRPERSON, BOARD OF AGRICULTURE

BEFORE THE SENATE COMMITTEES ON WATER, LAND, AND AGRICULTURE AND ECONOMIC DEVELOPMENT, ENVIRONMENT, AND TECHNOLOGY

February 12, 2016 2:00 P.M. CONFERENCE ROOM 414

SENATE BILL NO. 2746 RELATING TO AGRICULTURE

Chairpersons Gabbard and Wakai and Members of the Committees:

Thank you for the opportunity to testify on Senate Bill No. 2746 that establishes within the Department of Agriculture a Korean natural farming pilot program that will "...be headed by a Korean natural farming coordinator who shall work in collaboration with the appropriate stakeholders to incorporate Korean natural farming techniques in combating agricultural pests in Hawaii". Funding for the pilot program's coordinator position is to come from the Agricultural Development and Food Security Special Fund for as long a period of time as the pilot program is to exist. The "barrel tax" amount to food security, currently set at 15 cents of the tax on each barrel, is blanked out. The Department of Agriculture supports alternative pest and disease control methods but has concerns about this measure.

The Department of Agriculture is uncertain how the promotion of Korean natural farming (KNF) via a KNF coordinator will result in the collection of data and information leading to findings, recommendations, and proposed legislation on pest and disease control. We are also concerned about the proposed amendment to Section 243-3.5 (Bill, page 3, line 17 to page 4, line 21) to "blank out" the existing 15-cent portion of the "barrel tax" going to the Agricultural Development and Food Security Special Fund.



Page 2

Regarding the practice of KNF itself, an internet search revealed many local practitioners, workshops, and seminars promoting KNF in Hawaii. However, after conferring with University of Hawaii – College of Tropical Agriculture and Human Resources leadership, the Department understands that there is no science to back up the efficacy of the KNF program. Research by Department staff concluded that proceeding with the proposed program warrants caution.

For example, a U.S. Department of Agriculture (USDA), Natural Resources Conservation Service (NRCS)-funded research project evaluating the benefits of KNF on tropical vegetable crop production in Hawaii concluded that "KNF practice did not protect plants from diseases and insect pests, and should be avoided from heavy rainfall area." (NRCS – Korean Natural Farming Progress Report. Title: "Evaluating the benefits of Korean Natural Farming Practice on Tropical Vegetable Crop Production in Hawaii", page 4; Contract No. 69-9251-11-912; November 2011 to May 2012; Principal Investigator Koon-Hui Wang)

In another USDA-NRCS document, the Pacific Islands Area, KNF Technical Team reported on May 15, 2013 that "...scientifically collected data evaluating the benefits of Korean Natural Farming is less conclusive" than the testimonial reports of improved plant production from farmers. (USDA/NRCS Pacific Islands Area Current Developments, Spring 2013, page 8)

Should the committees decide to pass this measure, we ask that sections 2, 3, and 4 of the bill (page 2, line 6 to page 5, lines 8 and 12-15) be deleted.

Thank you for the opportunity to submit our testimony.

From:	mailinglist@capitol.hawaii.gov
To:	WLA Testimony
Cc:	alikamaui@hotmail.com
Subject:	Submitted testimony for SB2746 on Feb 12, 2016 14:00PM
Date:	Thursday, February 11, 2016 12:46:02 PM

Submitted on: 2/11/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Alika Atay	HINA (Hawaiian Indigenous Natural Agriculture	Comments Only	No

Comments: HINA stands for Hawaiian Indigenous Natural Agriculture. We are active Hawaiian Natural Farmers that have merged the indigenous Hawaiian farming practices with the concepts of Korean Natural Farming and it's methods. We represent Hawaiian families residing in Hawaiian Homelands subdivisions as well as community farms and gardens throughout the state. We support the intention of this SB2746. However, we cannot fully support it as written because of arising concerns in Section 2. They are: - (c)(3) : this is unrelated to natural agriculture - (c)(6) : we agree that inspectors are necessary but do not see this bill as the proper place for funding allocation - (c)(8) : we would like see some clarification wording on what constitutes water "improvement"; natural farming functions with the use of soft water - (c)(10) : we support this point but recommend that the words "natural farming" are integrated We further propose a Section 2(c)(11) that includes input and approval from the KNF founder and masters Cho and Cho. Thank you for your complete consideration in this manner.

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

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To:	WLA Testimony
Cc:	alikamaui@hotmail.com
Subject:	Submitted testimony for SB2746 on Feb 12, 2016 14:00PM
Date:	Thursday, February 11, 2016 12:48:58 PM

Submitted on: 2/11/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Alika Atay	HFUU (Hawaii Farmers Union United) - Mauna Kahalawai (West Maui) Chapter	Comments Only	No

Comments: Mauna Kahalawai Chapter of Hawaii Farmers Union United consists of organic and natural farmers, gardeners, and foodies. We represent mixed-ethnicity families residing throughout the county. We support family farmers that have chosen to farm and grow food organically and naturally; with the goal of feeding the world, well. We support the intention of this SB2746. However, we cannot fully support it as written because of arising concerns in Section 2. They are: -(c)(3): this is unrelated to natural agriculture -(c)(6): we agree that inspectors are necessary but do not see this bill as the proper place for funding allocation -(c)(8): we would like see some clarification wording on what constitutes water "improvement"; natural farming functions with the use of soft water -(c)(10): we support this point but recommend that the words "natural farming" are integrated We further propose a Section 2(c)(11) that includes input and approval from the KNF founder and masters Cho and Cho. Thank you for your complete consideration in this manner.

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P.O. Box 99, Wailuku, HI 96793-0099

February 10, 2016

Support for SB 2746

HFUU Board of Directors	Support for SD 27 to
Vincent Mina President HFUU	Aloha Chair Gabbard, Vice Chair Nishihara and Honorable Committee Members,
	Hawaii Farmers Union United is in strong support of SB 2746.
Simon Russell Vice-President HFUU	Natural farming and the introduction of biological diversity back to our soils will lead to a dramatic increase in the health of the forest and pastures. We believe that the RODS and the Fireweed as well as possibly the Little Fire Ant can be successfully controls with these biological soil amendments
Anny Bruch Secretary HFUU	It is similar to the old saying," An ounce of prevention is worth a pound of cure". By increasing the health of the region, the introduction of biological diversity will compound health factors, and lead to less undesirable pathogenic pressures.
Ray Maki Treasurer HFUU	We are over joyed you would consider such an obvious and cost effective method as a solution to the problem of invasive species. It seems that the way things are being done with regards to invasive species is not working. New methods of operation are worth trying out, especially with regards to the RODS.
Kyle Studer East Hawai'i	It has come to our attention that the RODS on Hawaii Island is spreading along the roads. It seems a coincidence that the areas along the roads are also sterilized with Roundup, leaving an easy host for the RODS fungus, that is not affected by Roundup, and has a distinct advantage over other life forms when it is introduced into one of the "weed free" areas. It's something to take a look at anyway.
Nate Hayward Kohala	We have heard from one of our members that Korean Natural Farming inputs can also create a situation in cattle pasture where the Fire Weed is not dominant anymore. This based on taking away the general vitality of what makes this plant want to flourish you then are able to manage it effectively with biological non toxic means, truly a win win in dealing with this pervasive weed. We would like to see this revenue go to
Steve Sakala Kona	experimentation in that "field".
	Mahalo for serving, and taking the time to promote good legislation like this measure.
Greg Smith Ka'u	
	Mahalo, Hawaii Farmers Union United
Phyllis Robinson Haleakala	Vin
Alika Atay Mauna Kahalawai	Vincent Mina, President

Mikala Minn Hana The Hawai'i Farmers Union United and its Chapters is a nonprofit corporation formed under Hawai'i law. It advocates for the sovereign right of farmers, ranchers and fishers to create and sustain vibrant and prosperous agricultural communities for the benefit of all Hawai'i through cooperation, education

Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Rebecca Sydney	MFUU	Comments Only	No

Comments: Envision Maui as the world's first organic island! Talk about a great legacy.....and it's possible!!!

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Submitted on: 2/8/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Suellen Barton	Maui Farmers Union United	Support	No

Comments: Having done one workshop learning the basics of Korean farming, I was completely captured by the efficiency, affordability and amazing results achieved from these methods. To be able to build naturally healthy soil in a way that anyone can do is a treasure we should incorporate into our island ag

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Senate Committee on Water, Land, and Agriculture and Senate Committee on Economic **Development, Environment, and Technology**

Hawai'i Center for Food Safety Supports <u>SB2746</u> Relating to Agriculture

Dear Chair Gabbard, Vice Chair Nishihara, Chair Wakai, Vice Chair Slom, and Members of Both Committees:

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

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

I am writing in support of SB2746, which establishes and appropriates funds for the Korean natural farming pilot program to combat various agricultural pests in Hawaii.

As the Center for Food Safety, we feel strongly that there are better ways of combating pests rather than the use of chemicals. This bill allocates funds for a research pilot program to use indigenous organisms to fight pests like the little fire ant, coffee berry borer, macadamia felted coccid, macadamia fungus, ohia wilt, banana bungee, coqui frogs, and fire weed.

We support this bill as it is an alternative to pesticide use, a growing and serious problem in Hawai'i due to invasive species and agrichemical companies testing GE crops. Despite the continuous efforts by the State, an estimated 20 new species establish themselves in our state every year¹. Pesticides are used liberally to keep these pests at manageable numbers.

Although the easiest way to combat these pests may be to eradicate though pesticide application, we urge the committee to fund this pilot project so we can better understand sustainable pest management techniques in Hawai'i including "Korean Natural Farming."

NATIONAL HEADQUARTERS

660 Pennsylvania Avenue, SE, Suite 302 303 Sacramento Street, 2nd Floor Washington, D.C. 20003 T: 202-547-9359 F: 202-547-9429

CALIFORNIA OFFICE

San Francisco, CA 94111 T: 415-826-2770 F: 415-826-0507

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HAWAI'I OFFICE

1132 Bishop Street, Suite 2107 Honolulu. Hawaii 96813 T: 808-681-7688

office@centerforfoodsafety.org

centerforfoodsafety.org

Thank you for the opportunity to testify, and I am happy to answer any follow up questions or provide additional analysis.

Respectfully,

Ashley Lukens Director, Hawai'i Center for Food Safety

ⁱ CTAHR Cooperative Extension Service (2016). http://www.ctahr.hawaii.edu/site/ExtINV.aspx

From:	mailinglist@capitol.hawaii.gov
To:	WLA Testimony
Cc:	nredfeather@kohalacenter.org
Subject:	Submitted testimony for SB2746 on Feb 12, 2016 14:00PM
Date:	Thursday, February 04, 2016 9:14:58 AM

Submitted on: 2/4/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

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

Comments: With Climate Change challenges and the usual farm challenges, we need all the tools in the toolbox. Korean Natural Farming uses low cost local inputs to create soil health leading to healthy systems, less pesticides and healthy food for communities. Seems like a win-win to support this valuable agricultural system. At Kalanianaole School Garden in Hilo the students are learning how to create and use the KNF preparations. Education is key to implementing success in any new system.

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From:	mailinglist@capitol.hawaii.gov
To:	WLA Testimony
Cc:	jacinthow001@hawaii.rr.com
Subject:	Submitted testimony for SB2746 on Feb 12, 2016 14:00PM
Date:	Tuesday, February 09, 2016 10:37:59 PM

Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
William Jacintho	Maui Cattlemen's Association	Support	No

Comments: We support the Right to Farm, and encourage Legislators to support all options available for Farmers and Ranchers to produce their commodities. Thank you, William

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From:	mailinglist@capitol.hawaii.gov
To:	WLA Testimony
Cc:	bigwavetomatoes@gmail.com
Subject:	*Submitted testimony for SB2746 on Feb 12, 2016 14:00PM*
Date:	Tuesday, February 09, 2016 10:41:05 AM

Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Jeanne Vana	West oahu county farm bureau	Support	No

Comments:

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Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

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

Comments: Strongly Support

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From:	mailinglist@capitol.hawaii.gov
To:	WLA Testimony
Cc:	pamelaboyar@gmail.com
Subject:	*Submitted testimony for SB2746 on Feb 12, 2016 14:00PM*
Date:	Wednesday, February 03, 2016 10:34:05 AM

Submitted on: 2/3/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Pamela Boyar	Farm Lovers Farmers Markets	Support	No

Comments:

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Submitted on: 2/4/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

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

Comments: Please pass this bill and dedicate sufficient resources towards its implementation. Natural farming is good for all of Hawaii's commercial farms, as already in evidence across Korea. And it wont hurt us farmers and our families! This is an important step in transitioning towards sustainable diversified ag.

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Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Derek Lindes	LoNo Enterprises	Support	No

Comments: Invasive species are a big problem here but they occur from nature. Natural ways of dealing with them have been proven and are viable. They are also not harmful. Let's try it. As opposed to toxic chemicals, which if are misused, or even used as directed, can cause catastrophic damage that is worse than the problem at hand. Korean natural methods use very potent natural bacterias which are effective but non toxic and benign to the environment. Mahalo.

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From:	mailinglist@capitol.hawaii.gov
To:	WLA Testimony
Cc:	info@ihilanicoffee.com
Subject:	Submitted testimony for SB2746 on Feb 12, 2016 14:00PM
Date:	Wednesday, February 10, 2016 5:50:44 AM

Submitted on: 2/10/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Ihilani Coffee	`Ihilani Coffee Company	Support	No

Comments: Invasive species have devastated the Kona coffee industry in the past few years and threaten many more of Hawai`i's crops. We wholeheartedly support any effort that moves Hawai`i toward food self-sufficiency, including more widespread use of Korean Natural Farming methods.

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Submitted on: 2/8/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Charlotte OBrien	Carbon Drawdown Solutions, Inc.	Support	No

Comments: I have a degree in agriculture and have taken Master Cho's class and think his concepts are brilliant and well proven in Korea. I agree that money should be spent to prove these concepts in the islands.

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Submitted on: 2/8/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

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

Comments: Totally support Natural Korean Farming methods and it's use in controlling the LFA. Mahalo,

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Submitted on: 2/8/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Astrid Watanabe	Individual	Support	No

Comments: If there is a natural farm practice to control "agricultural pests", what are we waiting for? Please do it!

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To:	WLA Testimony
Cc:	alikamaui@hotmail.com
Subject:	Submitted testimony for SB2746 on Feb 12, 2016 14:00PM
Date:	Thursday, February 11, 2016 12:41:26 PM

Submitted on: 2/11/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Alika Atay	Individual	Comments Only	No

Comments: I am an active Korean Natural Farming (KNF) practioner that has been utilizing these methods for more than 10 years. I support the intention of this SB2746. However, I cannot fully support it as written because of arising concerns in Section 2. They are: -(c)(3): this is unrelated to natural agriculture -(c)(6): I agree that inspectors are necessary but do not see this bill as the proper place for funding allocation -(c)(8): I would like see some clarification wording on what constitutes water "improvement"; natural farming functions with the use of soft water -(c)(10): I support this point but recommend that the words "natural farming" are integrated I further propose a Section 2(c)(11) that includes input and approval from the KNF founder and masters Cho and Cho. Thank you for your complete consideration in this manner.

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From:	mailinglist@capitol.hawaii.gov
To:	WLA Testimony
Cc:	Benjithehammy@gmail.com
Subject:	*Submitted testimony for SB2746 on Feb 12, 2016 14:00PM*
Date:	Wednesday, February 10, 2016 2:27:28 AM

Submitted on: 2/10/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Ben Hambright	Individual	Support	No

Comments:

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Submitted on: 2/11/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Beth Smith	Individual	Comments Only	No

Comments: This measure is vital to soil health and farming in the State of Hawaii. I strongly urge you all to vote for it. Thank you ~ Beth Smith

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It is important that we find ways to renew the soil on Maui and protect the 'aina from invasive species. This method is proven to do both and I fully support our wonderful Maui Farmer's in their endeavors to heal the soil from decades of mono crops and pesticides.

Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Carl Campagna	Individual	Support	No

Comments:

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Cedric Gates PO Box 1162 Waianae, HI 96792 February 8, 2016

State of Hawaii, Twenty-Eighth Legislature Hawaii State Capitol 415 South Beretania St. Honolulu, HI 96813

Dear State of Hawaii, Twenty-Eighth Legislature:

My name is Cedric Gates, I am currently the Chair of the Waianae Coast Neighborhood Board. I am testifying as an individual, and a life-time resident of the Waianae Coast. I'm writing to express my full support of **SB2746 (2016)** relating to the establishment of a Korean natural farming pilot program within the department of agriculture.

I support **SB2746 (2016)** because I believe it's important to establish such a program to pursue a process for the State of Hawaii to take a bold and innovative initiative in its approach to combating various agricultural pests in Hawaii, including but not limited to the little fire ant, coqui frogs, fire weed and other agricultural pest. I also support this measure because it may provide an additional funding source for agricultural purposes and natural farmers within the state.

I believe by pursuing natural methods in dealing with agricultural pest it not only protects the native species that are effected by man-made chemicals but most importantly it protects community residents and natural resources such as our water from being tainted with harmful pesticides.

I absolutely support the intent and integrity of **SB2746 (2016)** and I would like to ask that you all support this measure because I believe it is in the best interest of your constituents and communities state-wide.

Sincerely,

Cedric Gates

Council Chair Mike White

Vice-Chair Don S. Guzman

Presiding Officer Pro Tempore Michael P. Victorino

Councilmembers Gladys C. Baisa Robert Carroll Elle Cochran Don Couch Stacy Crivello Riki Hokama



Director of Council Services David M. Raatz, Jr., Esq.

COUNTY COUNCIL

COUNTY OF MAUI 200 S. HIGH STREET WAILUKU, MAUI, HAWAII 96793 www.MauiCounty.us

February 9, 2016

 TO: Honorable Mike Gabbard, Chair Senate Committee on Water, Land and Agriculture
Honorable Glenn Wakai, Chair Senate Committee on Economic Development, Environment and Technology
FROM: Stacy Helm Crivello

FROM: Stacy Helm Crivello Councilmember

DATE: February 12, 2016

SUBJECT: HEARING OF SB 3019, RELATING TO GRAY WATER

Thank you for the opportunity to testify in support this important measure. The purpose of this measure is to require new building construction to include equipment that allows for the collection and use of gray water for irrigation, when practical.

I support this measure for the following reasons:

- 1. Gray water is tap water soiled by use in washing machines, tubs, showers and bathroom sinks. Gray water reclamation is the process by which households make use of gray water's potential instead of letting it flow down the drain into the sewer system.
- 2. For the average U.S. household, taking a shower, doing a load of laundry or a quick washing of hands wastes close to 280 gallons a day, half of which could potentially be reused for irrigation.
- 3. A few of the benefits of gray water reuse are lower water and sewer charges but more importantly, less demand on potable water, recharging of ground water and nutrient replenishment.

For the foregoing reasons, I support this measure.

Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

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

Comments: Aloha legislators, Healthy soil and healthy plants mean less use of chemical fertilizers, weed killers, and pesticides. Please support Korean natural farming. mahalo, Cory Harden

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From:	mailinglist@capitol.hawaii.gov
To:	WLA Testimony
Cc:	panther_dave@yahoo.com
Subject:	Submitted testimony for SB2746 on Feb 12, 2016 14:00PM
Date:	Wednesday, February 10, 2016 1:59:11 PM

Submitted on: 2/10/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Dave Kisor	Individual	Support	No

Comments: I support any method that uses natural processes and not hideously toxic biochemical warfare. Regarding pests, if you would include Monsanto, et al in that category, it would be even better.

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Submitted on: 2/8/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Denise Key	Individual	Support	No

Comments:

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Submitted By	Organization	Testifier Position	Present at Hearing
Dennis F Lokmer	Individual	Support	No

Comments:

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Submitted By	Organization	Testifier Position	Present at Hearing
Edward Aloi	Individual	Support	No

Comments:

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Submitted By	Organization	Testifier Position	Present at Hearing
Evern Williams	Individual	Support	No

Comments: Please pass this legislation. This supports the state's sustainability goals and just makes good sense!

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Submitted on: 2/10/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
heidi howard	Individual	Support	No

Comments: I think it sounds like a very good pilot program to support and try here on Maui. Thank YOu, Heidi Howard

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Submitted By	Organization	Testifier Position	Present at Hearing
James Yunker	Individual	Support	No

Comments:

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Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Jim Williams	Individual	Support	No

Comments:

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Submitted on: 2/11/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Joseph Dunsmoor	Individual	Comments Only	No

Comments: As a farmer, agriculture teacher and consultant I support this bill and its companion hb2718. This is an exciting new field of research

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Submitted on: 2/8/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

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

Comments: Aloha, Please support this bill and give an opportunity to already proven natural farming techniques to solve Hawaii's most serious fungal and insect problems. Time is of the essence here! Mahalo for your support, Katarina Culina Po box 2142 Pahoa, HI 96778

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Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Katie Romanchuk	Individual	Support	No

Comments: I have heard numerous positive outcomes from the use of Korean farming practices including IMO's. I can't see how this could cause any damage or harm, but could give the land a much needed boost. My land in Haiku is clayish and depleted and I want to try this here when I learn how. Thank you for supporting funding to give this a try, MAHALO, Katie

Please note that testimony submitted <u>less than 24 hours prior to the hearing</u>, 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.

From:	mailinglist@capitol.hawaii.gov
To:	WLA Testimony
Cc:	OccupyHiloMedia@yahoo.com
Subject:	Submitted testimony for SB2746 on Feb 12, 2016 14:00PM
Date:	Wednesday, February 10, 2016 11:03:14 PM

Submitted on: 2/10/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Kerri Marks	Individual	Support	No

Comments: strong support

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From:	mailinglist@capitol.hawaii.gov
To:	WLA Testimony
Cc:	kristenmartinek@gmail.com
Subject:	*Submitted testimony for SB2746 on Feb 12, 2016 14:00PM*
Date:	Tuesday, February 09, 2016 8:27:11 AM

Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Kristen Martinek	Individual	Support	No

Comments:

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Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Linda Lyerly	Individual	Support	No

Comments: Honorable Senators: Please consider and support this life giving technique and knowledge that is presented to you for sustainable agriculture. Hawaii Ag. Sorely needs to explore and learn different farming methods if we are to become healthy creating and maintaining our precious resource: Our Soil. Please support this important method for Hawaii. Mahalo for your time and consideration. Sincerely, Linda Lyerly25 Puakaukui Pl. #4, Lahaina, HI. 96761

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Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Luella Nohea Crutcher	Individual	Support	No

Comments: I support this bill. It would be nice for Hawaii to be self-sustaining and not be dependent on food. Especially food grown naturally, dealing with pests in a more natural way. I have heard positive things about Korean Natural Farming. Recycling farm waste and minimizes external inputs while fostering soil health. It makes us less dependent on fertilizers from off island. Mahalo for your time, Luella Nohea Crutcher

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Submitted on: 2/5/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Lyn Howe	Individual	Support	No

Comments:

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From:	mailinglist@capitol.hawaii.gov
To:	WLA Testimony
Cc:	marie.janiszewski@gmail.com
Subject:	*Submitted testimony for SB2746 on Feb 12, 2016 14:00PM*
Date:	Tuesday, February 09, 2016 7:15:44 AM

Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
marie janiszewski	Individual	Support	No

Comments:

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Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Michelle Matson	Individual	Support	No

Comments:

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Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Miki'ala Pua'a-Freitas	Individual	Support	No

Comments:

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Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

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

Comments: Please support this program. It has been in effect in many locations for many years, and thriving worldwide. Its time we put the nutrients back in to the soil and create a sustainable future for our island. I hope you give it a chance to prove that it can work on our islands and help create more nutritious food. Please support SB2746. Mahalo, Alana Ross, Hana

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Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

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

Comments: I have personally witnessed the great advantages to Korean Natural Farming as implemented on our land as well as many in our community. I see this bill as a step in the right direction of sustainable farming solutions in Hawaii. Thank you for the consideration!

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Submitted on: 2/8/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Neil Vonhof	Individual	Support	No

Comments:

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Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

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

Comments:

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Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Orion Cruz	Individual	Support	No

Comments:

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Submitted on: 2/8/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

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

Comments: Korean Natural Farming holds great promise for the future of agriculture. This is a great bill worthy of supporting.

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Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Rich von Wellsheim	Individual	Support	No

Comments: I support using natural methodologies whenever feasible and practicable and think that korean natural farming offers lots of hope and possibilities for solutions to pests across the state. i support the use of public funds to further this. thanks

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Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Rich von Wellsheim	Individual	Support	No

Comments: I support using natural methodologies whenever feasible and practicable and think that korean natural farming offers lots of hope and possibilities for solutions to pests across the state. i support the use of public funds to further this. thanks

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From:	mailinglist@capitol.hawaii.gov
To:	WLA Testimony
Cc:	legechair@gmail.com
Subject:	Submitted testimony for SB2746 on Feb 12, 2016 14:00PM
Date:	Thursday, February 11, 2016 6:45:13 AM

Submitted on: 2/11/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Simon Russell	Individual	Support	No

Comments: Aloha Chair Gabbard, Vice Chair Nishihara and Honorable Committee Members, I strongly support SB 2746. Natural farming and the introduction of biological diversity back to our soils will lead to a dramatic increase in the health of the forest and pastures. We believe that the RODS and the Fireweed as well as possibly the Little Fire Ant can be successfully controles with these biological soil amendments It is similar to the old saying," An ounce of prevention is worth a pound of cure". By increasing the health of the region, the introduction of biological diversity will compound health factors, and lead to less undesirable pathogenic pressures. I am are overjoyed you would consider such an obvious and cost effective method s as a solution to the problem of invasive species. It seems that the way things are being done with regards to invasive species is not working. New methods of operation are worth trying out, especially with regards to the RODS. It has come to our attention that the RODS on Hawaii Island is spreading along the roads. It seems a coincidence that the areas along the roads are also sterilized with Roundup, leaving an easy host for the RODS fungus, that is not affected by Roundup, and has a distinct advantage over other life forms when it is introduced into one of the "weed free" areas. It's something to take a look at anyway. I have heard that Korean Natural Farming inputs can also create a situation in cattle pasture where the Fire Weed is not dominant anymore, and in fact becomes almost absent. We would like to see this revenue go to experimentation in that "field" Mahalo for taking the time to promote good legislation like this measure. Respectfully Submitted, Simon Russell Farmer Hali'imaile,Maui

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Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Stella Caban	Individual	Support	No

Comments:

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Submitted on: 2/10/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Sunny Savage-Luskin	Individual	Support	No

Comments:

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Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

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

Comments: Aloha Senators, I am in strong support of this bill. The state and particularly Hawaii Island is being overwhelmed with very harmful invasive species from coqui frogs, to little fire ants, dengue, fireweed, miconia, ohia wiltetc. There has been very few success stories but the folks who practice Korean Natural Farming at UH CTAHR have been having success and so it is time to support successful practices and make them widespread. If there is an alternative solution outside of harmful toxic pesticides then we should try it. These invasive pests are one of the biggest threats to our economy as well as our lifestyle and we must do all we can to stop their spread and control them (short of poisoning the whole place.) Mahalo for your leadership in this matter. Tamara Paltin

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From:	mailinglist@capitol.hawaii.gov
To:	WLA Testimony
Cc:	taragrace808@gmail.com
Subject:	Submitted testimony for SB2746 on Feb 12, 2016 14:00PM
Date:	Tuesday, February 09, 2016 9:32:05 AM

Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Tara Grace	Individual	Comments Only	No

Comments: I support this bill.

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From:	mailinglist@capitol.hawaii.gov
To:	WLA Testimony
Cc:	terez.amato@yahoo.com
Subject:	Submitted testimony for SB2746 on Feb 12, 2016 14:00PM
Date:	Wednesday, February 10, 2016 9:39:34 AM

Submitted on: 2/10/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Terez Amato Lindsey	Individual	Support	No

Comments: Aloha Chairs, Vice Chairs, and committee members, I am submitting my testimony in support of SB2746. When dealing with environmental issues such as Rapid Ohia Death, Little Fire Ants, and Coqui, it is important to utilize all known methods available to protect our delicate ecosystem. This is even more important for places like Hawai'i where the wrong chemical can have devastating effects on our plants and downstream marine life. I have recently become a student of Korean Natural Farming, and in my own short time of learning and implementing the processes and methodologies, I have already seen a visible transformation occurring on the property where I am growing food crops. Already, in a very short period of time, I am seeing stronger, more resilient plants not only resisting disease, but also actively warding off pests. I have also seen my costs decrease as a result. This is like organic farming, but honestly, it's even easier, and more cost effective. For that very simple reason, I feel that incorporating Korean Natural Farming techniques in our land management practices is absolutely imperative. I ask that you please approve this measure and vote Aye/Yes, on SB2746. This measure is a fiscally responsible and scientifically intelligent approach to some of Hawai'i's most devastating environmental concerns. With appreciation, Terez Amato Kihei

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Submitted on: 2/8/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Tracy E Mills	Individual	Support	No

Comments:

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Submitted on: 2/9/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

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

Comments: Aloha, I support this bill. We need to do everything we can to not use pesticides on the Aina. Thank you Tulsi

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From:	mailinglist@capitol.hawaii.gov
To:	WLA Testimony
Cc:	sharedpleasures@hawaii.rr.com
Subject:	Submitted testimony for SB2746 on Feb 12, 2016 14:00PM
Date:	Wednesday, February 10, 2016 9:17:19 PM

Submitted on: 2/10/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
vicki levin	Individual	Support	No

Comments: I strongly support this approach to invasive species management

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Submitted on: 2/4/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
W. Ken Koike	Individual	Support	Yes

Comments: As a small farmer from Wai'anae Valley, I am in strong support of SB2746. I am learning how to make and use these soil amendments and crop supports. Please allow the rest of the state to benefit from this Earth-friendly technology!

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Submitted on: 2/4/2016 Testimony for WLA/EET on Feb 12, 2016 14:00PM in Conference Room 414

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

Comments: Please support this bill. Research and farmer experience clearly show that the Natural Farming method works and does so by not allowing pesticides into our environment. If the entire state adopted this farming method we would see a great bolstering of agtourism as Hawaii became known around the world as the state that gets by with no chemical inputs. Given the growing concern over herbicides and their cancer potential, it is the prudent thing to do.

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