JOSH GREEN Lt. Governor



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

TESTIMONY OF THE DEPARTMENT OF AGRICULTURE

BEFORE THE SENATE COMMITTEES ON AGRICULTURE & ENVIRONMENT AND HIGHER EDUCATION

FEBRUARY 8, 2019 2:30 P.M. CONFERENCE ROOM 224

SENATE BILL NO. 752 RELATING TO AGRICULTURE

Chairpersons Gabbard and Kim and Members of the Committees:

Thank you for the opportunity to present testimony on Senate Bill 752. This bill appropriates funds to the University of Hawaii, College of Tropical Agriculture and Human Resources for statewide research and prevention of the spread of ornamental ginger pathogens. The Department of Agriculture supports this measure provided it does not impact the Department's priorities listed in the Executive Budget.

Ornamental ginger is a traditional component in island flower arrangements and is popular for use in home and commercial displays. Red and pink ginger flower bracts are used in lei making. Ornamental ginger is also used widely in landscaping and creates the tropical effect that symbolizes Hawaii. Decline in production in recent years caused the number of flowers available for sale.

Funding for Statewide surveillances and diagnostics of ornamental ginger pathogens will contribute towards curbing the spread of diseases and improve the profitability and the long-term sustainability of local ornamental and landscape production industries.



BRENDA IOKEPA-MOSES
AEN Testimony
I Support SB 752
Tuesday, February 5, 2019 10:27:19 AM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

The unknown spread of the virus and the fungi has devastated many farmers on Windward side of Oahu, forcing farmers to grow other types of ornamental flowers and slowing down their operations. Research funding is necessary for growers and researchers to continue their efforts in finding a solution and the cause of the decline.



Hawaii Floriculture and Nursery Association

THE SENATE THE THIRTIETH LEGISLATURE REGULAR SESSION OF 2019

<u>COMMITTEE ON AGRICULTURE AND ENVIRONMENT</u> Senator Mike Gabbard, Chair Senator Russell E. Ruderman, Vice Chair

COMMITTEE ON HIGHER EDUCATION

Senator Donna Mercado Kim, Chair Senator Michelle N. Kidani, Vice Chair

> NOTICE OF HEARING Friday, February 8, 2019 2:30 p.m. Conference Room 224 State Capitol 415 South Beretania Street

SB752 RELATING TO AGRICULTURE: Makes an appropriation to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

My name is Eric S. Tanouye and I am the President for the Hawaii Floriculture and Nursery Association. HFNA is a statewide umbrella organization with approximately 300 members. Our membership is made up with breeders, hybridizers, propagators, growers, shippers, wholesalers, retailers, educators, and the allied industry, which supports our efforts in agriculture.

The Hawaii Floriculture and Nursery Association (HFNA) SUPPORTS Senate Bill 752

Ornamental ginger is a popular tropical flower that could be considered to be symbols of the beauty of Hawaii. For our Nurserymen and women to continue to grow and provide this product it is important we find solutions to the pathogens that threaten the ornamental ginger and avoid the spreading of this disease to neighbor Island producers.

If you have any questions at this time, I would be happy to discuss them and can be reached by phone at 808-959-3535 ext 22, cell 960-1433 and email eric@greenpointnursery.com.

Supporting Agriculture and Hawaii,

Eric S. Tanouye President Hawaii Floriculture and Nursery Association

<u>SB-752</u> Submitted on: 2/4/2019 6:51:04 PM Testimony for AEN on 2/8/2019 2:30:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Warren Watanabe	Testifying for Maui County Farm Bureau	Support	No

Comments:



February 1, 2019

Senator Mike Gabbard, Chair Senator Russell E. Ruderman, Vice Chair Senate Committee on Agriculture and Environment

Senator Donna Mercado Kim, Chair Senator Michelle N. Kidani, Vice Chair Senate Committee on Higher Education

Testimony in Support of SB 752, Relating to Agriculture (Appropriates funds to the University of Hawaii College of Tropical Agriculture and Human Resources (UHCTAHR) for research and prevention of the spread of ornamental ginger pathogens.)

Friday, February 8, 2019, 2:30 p.m., in Conference Room 224

The Land Use Research Foundation of Hawaii (LURF) is a private, non-profit research and trade association whose members include major Hawaii landowners, developers and a utility company. LURF's mission is to advocate for reasonable, rational and equitable land use planning, legislation and regulations that encourage well-planned economic growth and development, while safeguarding Hawaii's significant natural and cultural resources, and public health and safety.

LURF appreciates the opportunity to express its support of SB 752.

<u>SB 752</u>. This bill proposes to make an appropriation to the UHCTAHR for statewide research of pathogens affecting ornamental ginger and prevention of pathogen spread.

LURF's Position. Invasive species such as insects, disease-bearing organisms, snakes, weeds, and other pests pose the greatest threat to Hawaii's economy, tourism, agriculture, the natural environment, native species and to the health and lifestyle of Hawaii's people. Invasive species already cause millions of dollars in crop losses, the extinction of native species, the destruction of native wet, moist and dry land forests, and the spread of disease, but even more harmful viral, fungal and unidentified bacterial pathogens such as the unknown pathogen causing devastating crop decline in ornamental ginger in windward Oahu, now threaten to invade all of the Hawaiian Islands and wreak further damage.

Senate Committee on Agriculture and Environment Senate Committee on Higher Education February 1, 2019 Page 2

Despite initial efforts by the UHCTAHR and the Department of Agriculture to address this critical situation, more research and a multi-agency outreach approach is necessary to avoid further damage to the profitability and long-term sustainability of local ornamental and landscape production industries.

For the above reasons, LURF <u>supports</u> SB 752 and respectfully urges your favorable consideration.

Thank you for the opportunity to present testimony regarding this matter.



UNIVERSITY OF HAWAI'I SYSTEM

Legislative Testimony

Testimony Presented Before the Senate Committee on Agriculture and Environment And Senate Committee on Higher Education Friday, February 8, 2019 at 2:30 p.m. By Nicholas Comerford Dean, College of Tropical Agriculture and Human Resources And Michael Bruno Interim Vice Chancellor for Academic Affairs Vice Chancellor for Research University of Hawai'i at Mānoa

SB 752 – RELATING TO AGRICULTURE

Chairs Gabbard and Kim, Vice Chairs Ruderman and Kidani and members of the Senate Committee on Agriculture and Environment and Committee on Higher Education:

Thank you for the opportunity to testify on SB 752 relating to agriculture and ornamental ginger and which appropriates \$200,000 for fiscal years 2019-2020 and 2020-2021 for statewide research and prevention of the spread of ornamental ginger pathogens. The University of Hawai'i at Mānoa (UHM), College of Tropical Agriculture and Human Resources (CTAHR) <u>supports</u> this bill and we respectfully provide the following information to substantiate our position.

SB 752 is an example of the biosecurity issues facing agriculture in Hawai'i. Ornamental ginger is a valued plant that can be used as a shrub or as a cut flower. CTAHR scientists have been able to identify three different viruses and one fungal pathogen that are infecting ornamental ginger. In addition, the Hawai'i Department of Agriculture (HDOA) scientists have identified the presence of fourteen additional pathogens. At this time, it is not known which agent(s) is/are the primary cause of the decline being seen in ginger, and which are secondary pathogens infecting a weakened plant. Another question is whether the problem will expand to other islands; raising the possibility of a quarantine of ornamental ginger on Oahu.

It is the consensus of CTAHR and HDOA scientists that more diagnostics and a statewide survey is needed before quarantine should be considered. The HDOA has already provided funds of approximately \$120,000 in FY 2019 to address the situation and work has begun. An additional \$200,000 is being requested in this bill in order to

complete the diagnostics, conduct a statewide survey, and to subsequently investigate the dieback issue and its solution.

Biosecurity issues like this happen. We never know when they will occur, what will be the scope of the problem, what may be the cause of the problem, and what will be the resulting solution. CTAHR's budget within UHM is not equipped to consistently address such issues. While we have the expertise in both research and extension, the funding is unavailable. This bill addresses that lack of funding for fiscal years 2019-2020 and 2020-2021; and hopefully brings this issue to a successful conclusion.

We <u>support</u> this bill provided that its passage is in addition to and does not replace or adversely impact priorities as indicated in our Board of Regent Approved Budget.

Thank you for the opportunity to submit testimony.

Board of Directors 2018 - 2020

President Joshua Uyehara

<u>Vice-President</u> Warren Mayberry

Secretary Dawn Bicoy

<u>Treasurer</u> Laurie Yoshida

Directors-at-Large Alan Takemoto Adolf Helm Leslie Campaniano Dan Clegg Joshua Uyehara Warren Mayberry

President Emeritus Alan Takemoto

Executive Director Bennette Misalucha

TESTIMONY FROM BENNETTE MISALUCHA, EXECUTIVE DIRECTOR

In Support of SB752 Relating to Agriculture

SENATE COMMITTEE ON AGRICULTURE AND ENVIRONMENT AND SENATE COMMITTEE ON HIGHER EDUCATION February 8, 2019, 2:30 p.m. Conference Room 224

Chairs Gabbard and Kim and members of the committees:

The Hawaii Crop Improvement Association (HCIA) supports SB752, which makes an appropriation to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

The decline of ornamental ginger on Oahu for the past 10 years due to viruses and fungi is extremely concerning and detrimental to agriculture in Hawaii. Ginger producers have not only had to excavate their lands but there is concern among neighboring farmers and off-island clientele about the spread of the unknown pathogens.

Research is needed to mitigate the potential spread of ornamental ginger pathogens and to ensure the long-term sustainability of local ornamental and landscape production industries.

Please vote in support of SB752 to fund this important statewide research. Mahalo for your time and consideration.

Respectfully,

Bennette Misalucha Executive Director, Hawaii Crop Improvement Association

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

<u>SB-752</u> Submitted on: 2/7/2019 2:17:01 PM Testimony for AEN on 2/8/2019 2:30:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Melodie Aduja	Testifying for O`ahu County Committee on Legislative Priorities of the Democratic Party of Hawai`i	Support	No

Comments:



THE SENATE THE THIRTIETH LEGISLATURE REGULAR SESSION OF 2019

COMMITTEE ON AGRICULTURE AND ENVIRONMENT

Senator Mike Gabbard, Chair Senator Russell E. Ruderman, Vice Chair

COMMITTEE ON HIGHER EDUCATION

Senator Donna Mercado Kim, Chair Senator Michelle N. Kidani, Vice Chair

> NOTICE OF HEARING Friday, February 8, 2019 2:30 p.m. Conference Room 224 State Capitol 415 South Beretania Street

SB752 RELATING TO AGRICULTURE: Makes an appropriation to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

My name is Chris Tanouye of Green Point Nurseries. Green Point Nurseries is a third-generation agribusiness, a business that produces Hawaii's cut flowers and foliage and tropical blooming plants. Our products are distributed and exported locally, nationally, and internationally.

A very popular product that we provide is the ornamental ginger and believe it to be one of the symbols of Hawaii Floriculture.

We ask that you to **support** and fund **Senate Bill 752** so that the hard-working researchers at UH CTHAR may find ways to prevent pathogens from impacting our ability to grow and provide this flower.

Mahalo,

Chris Tanouye Sales and Operations Manager Green Point Nurseries, Inc



P.O. Box 253, Kunia, Hawai'i 96759 Phone: (808) 848-2074; Fax: (808) 848-1921 e-mail info@hfbf.org; www.hfbf.org

February 8, 2019

HEARING BEFORE THE SENATE COMMITTEE ON AGRICULTURE AND ENVIRONMENT SENATE COMMITTEE ON HIGHER EDUCATION

TESTIMONY ON SB 752 RELATING AGRICULTURE

Room 224 2:30 PM

Aloha Chairs Gabbard and Kidani, Vice Chairs Kim and Kidani, and Members of the Committees:

I am Brian Miyamoto, Executive Director of the Hawaii Farm Bureau (HFB). Organized since 1948, the HFB is comprised of 1,900 farm family members statewide, and serves as Hawaii's voice of agriculture to protect, advocate and advance the social, economic and educational interests of our diverse agricultural community.

The Hawaii Farm Bureau strongly supports SB 752, which makes an appropriation to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

Commercial production of ornamental ginger has been on the decline for the past 10 years on Oahu. Red ginger growers in Windward Oahu have recently experienced a further decline in the growth of their ornamental red ginger plant production due to a variety of unknown viruses and fungi. CTAHR discovered that there are 3 plant viruses affecting ginger production (banana bract mosaic virus (BBrMV), canna yellow mottle virus (CaYMV), and banana streak virus (BSV) and at least one fungal pathogen (*marasmus*) that attributes to crop decline and death. At this time, CTAHR does not know which pathogen is the causal agent of the new and devastating crop decline on ornamental ginger in Windward Oahu.

Producers in the affected areas are excavating their lands as they can no longer economically produce ornamental ginger in these areas. Neighboring farmers and offisland customers are concerned about the spread of the pathogens (viral, fungal and unidentified bacterial). Reports of crop decline which originally started in the Kahaluu area of Oahu has spread to surrounding areas such as Waihole and Waikane Valley. Research funding is necessary for growers and researchers to continue their efforts in finding a solution and the cause of the decline in red ornamental ginger. Funding is also needed for a statewide awareness and outreach effort to prevent further spread of the virus problem.

Thank you for the opportunity to testify on this important subject.



THE SENATE THE THIRTIETH LEGISLATURE REGULAR SESSION OF 2019

<u>COMMITTEE ON AGRICULTURE AND ENVIRONMENT</u> Senator Mike Gabbard, Chair Senator Russell E. Ruderman, Vice Chair

> COMMITTEE ON HIGHER EDUCATION Senator Donna Mercado Kim, Chair Senator Michelle N. Kidani, Vice Chair

> > NOTICE OF HEARING Friday, February 8, 2019 2:30 p.m. Conference Room 224 State Capitol 415 South Beretania Street

SB752 RELATING TO AGRICULTURE: Makes an appropriation to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

My name is Thong Teng Neo and am the current President of the Hawaii Tropical Flower Council (HTFC). HTFC is a statewide association of commodity organizations, i.e.: anthurium, orchid, protea, tropic flowers and foliages, blooming and foliage plants. The Hawai`i Tropical Flower Council directs promotion and supports research of Hawaii's tropical flower industry. Each of the state's major flower commodity groups (anthuriums, orchids, proteas, tropic flowers and foliages, blooming and foliage plants) is represented on the council's board of directors. HTFC serves as a non-profit Hawaii Corporation to promote for its commodity groups and other producers of tropical horticulture grown in the State of Hawaii.

HTFC supports Senate Bill 752.

Being able to produce a wide arrangement of varieties of Floriculture is important for our industry to remain competitive. This bill will allow funding to UH CTAHR for research to help our Nurserymen and women to continue to grow ornamental ginger and new varieties of ornamental ginger in the future.

Thank you for taking the time to read this correspondence and if you have any questions, I can be reached at <u>neo@greenpointnursery.com</u> or 808 959 3535 ext. 2615.

Sincerely,

Thong Teng Neo President Hawaii Tropical Flower Council HTFC • P.O. Box 4400 • Hilo, HI 96720 • www.hawaiitropicalflowercouncil.org

Hawai's Flowers com

February 7, 2019

SUBJECT: Support for SB261 – GoFarm Hawaii Program (Date/Time of Hearing: 2/8/19 at 2:30pm)

Dear Chairs Gabbard and Kim, Vice Chairs Ruderman and Kidani, & members of the committees,

I am encourage to see concrete interest in funding the GoFarm Hawaii Program. I graduated from the program last year on the Big Island. It proved invaluable for me to get direct field experience and meet with established farmers and agricultural experts. Each Island is unique, and GoFarms Hawaii is the bridge to bring not only basic best farming practices but to network with other farmers, new and old.

It was always a dream of mine and I am sure with many others of being a farmer. I have access to a small 2.5 acre parcel that originally I was going throw money into developing right away, not knowing what I was getting myself into. It was of such value that GoFarms Hawaii stressed detailed planning before even breaking the soil is of such significant importance. I am quite sure I would have been discouraged and ended the farming altogether without the assistance from the staff of GoFarms Hawaii. The program gave me the tools to work things through.

As SB261 states, GoFarms Hawaii is an important outreach program for the emerging small time farming industry. Hawaii is an island society, isolated over two thousand miles from any significant land mass, where food security becomes ever more dire and essential. GoFarms Hawaii has a proven track record. The potential seed money will grow into establishing Hawaii to be self-sufficient if for whatever reasons food imports are curtailed or stalled altogether. Besides, local fresh ripe fruits and vegetables are far better both in nutrition and taste. I would like to extend my strong support for SB261, which appropriates funds to the GoFarm Hawaii program. It is a win-win investment.

Sincerely,

MM Mule

Jeff Yamauchi Hilo Sun Farms



To: Mike Gabbard, Senate District 20 Hawaii State Capitol, Room 201 415 South Beretania Street Honolulu, Hawaii 96813

> Russell E. Ruderman, Senate District 2 Hawaii State Capitol, Room 216 415 South Beretania Street Honolulu, Hawaii 96813

Donna Mercado Kim, Senate District 14 Hawaii State Capitol, Room 218 415 South Beretania Street Honolulu, Hawaii 96813

Michelle N. Kidani, Senate District 18 Hawaii State Capitol, Room 228 415 South Beretania Street Honolulu, Hawaii 96813

From: Jennifer A. Leng Sweetbreads, LLC P.O. Box 4594 Honolulu, HI 96812

Subject: SB261 – RELATING TO AGRICULTURE

February 6, 2019

Dear Chairs Gabbard and Kim, Vice Chairs Ruderman and Kidani, & members of the AEN/HRE, WAM committees,

Please recognize my strong support for SB 261, which appropriates funds to the GoFarm Hawaii program.

As a current student of the program, I am learning hands-on production and marketing skills, instilling my future business goals and building a local network that can support my future in the agricultural industry. For the duration of the GoFarm Hawaii program, I have not only been able to learn about farming, I am also actively managing a plot of land, marketing and selling products, developing a business plan, and looking closely at the financial viability of specific crops and my business.

After graduating from the program, I plan to start a farm on my own plot of agricultural land but fully intend to continue using the support services that the GoFarm Hawaii program offers.

The GoFarm Hawaii program is a needed and valuable program for the state of Hawaii, especially in regards to our food security. Their ongoing support, educational opportunities, and network are essential as I plan for the future growth of my business.

Thank you for the opportunity to provide my support of SB 261.

Sincerely,

Jennifer A. Leng Sweetbreads, LLC



O'AHU PO Box RESOURCE CONSERVATION & DEVELOPMENT COUNCIL

BOARD OF DIRECTORS	February 6, 2019
Taylor Kellerman President	SUBJECT: Support for SB261 – GoFarm Hawaii Program (Date/Time of Hearing: 2/8/19 at 2:30pm)
Mark Phillipson Vice President Treasurer	Dear Chairs Gabbard and Kim, Vice Chairs Ruderman and Kidani, & members of the committees,
Melissa Z. Rhoden Secretary	Oʻahu RC&D is pleased to submit testimony in full support of SB 261, which will appropriate funds to the GoFarm Hawaii program.
EXECUTIVE DIRECTOR Jean Brokish	Our organization has actively partnered with GoFarm Hawaii on many initiatives. The GoFarm AgBusiness team recently partnered with us to update the Hawaii Agribusiness Guidebook, a publicly-available online guide featuring important points and tips for operating a farm business in Hawaii. They have been active partners in the Parade of Farms events, the statewide Women Farmers Workshop series, and various training events that support local farmers.
	The GoFarm Hawaii program is an essential part of expanding our local agricultural network.

The GoFarm Hawaii program is an essential part of expanding our local agricultural network. They are educating the next generation of farmers, providing needed support for existing ones, and helping to develop the overall industry. We look forward to our continued partnership with GoFarm Hawaii and strongly encourage your support of this Bill.

Sincerely,

20/cm

Jean Brokish Executive Director Oahu Resource Conservation & Development Council

0pm)
;

Dear Chairs Gabbard and Kim, Vice Chairs Ruderman and Kidani, & members of the committees,

Please recognize my strong support for SB 261, which appropriates funds to the GoFarm Hawaii program. Since graduating from the program, I started working for a local agricultural organization. The skills I learned in the program have been useful in the day to day operations of one of the largest fruit tree nurseries in the state. The program taught me production skills, provided business support, and has given me a network that allows me to be connected in the agricultural industry. While I am working in the ag industry full-time, I also have my own plot of land where I intend to start my own farm in the future.

The GoFarm Hawaii program is a needed and valuable program for the state of Hawaii. Their ongoing support, educational opportunities, and network continue to provide a valuable support system for my career.

Thank you for the opportunity to provide my support for this Bill.

Sincerely,

Jordan Tesar



THE SENATE THE THIRTIETH LEGISLATURE REGULAR SESSION OF 2019

COMMITTEE ON AGRICULTURE AND ENVIRONMENT

Senator Mike Gabbard, Chair Senator Russell E. Ruderman, Vice Chair

COMMITTEE ON HIGHER EDUCATION

Senator Donna Mercado Kim, Chair Senator Michelle N. Kidani, Vice Chair

> NOTICE OF HEARING Friday, February 8, 2019 2:30 p.m. Conference Room 224 State Capitol 415 South Beretania Street

SUPPORT for SB752 RELATING TO AGRICULTURE: Makes an appropriation to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

My name is Jon Tanouye and I am the current President of the Orchid Growers of Hawaii (OGOH).

OGOH would like to give our support for Senate Bill 752

It is important for the industry to provide a good selection of quality floriculture. This allows the different floricultures to be offered together and leads to an increase of sales for Orchid floriculture. We as an industry would like to continue to offer orchids alongside Ornamental Ginger and believe it is important that research be conducted on stopping pathogens from spreading in Ornamental Ginger.

If you have any other questions you may contact me to discuss and I can be reached by phone at 808-959-3535 and email jon@greenpointnursery.com.

Sincere

(onathan Tanoliye President Orchid Growers of Hawaii (OGOH)

Orchid Growers of Hawai'i P.O. Box 4153, Hilo HI, 96720

From:	Chad Lindsey
То:	AEN Testimony
Subject:	Support for SB261 – GoFarm Hawaii Program (Date/Time of Hearing: 2/8/19 at 2:30pm)
Date:	Thursday, February 7, 2019 5:06:34 AM

Dear Chairs Gabbard and Kim, Vice Chairs Ruderman and Kidani, & members of the committees,

Please recognize my strong support for SB 261, which appropriates funds to the GoFarm Hawaii program. 5 years ago, my wife and I brought 20 acres of land in the Kona Coffee belt on the Big Island. With my Father-In-Law as our mentor and his 40 plus years experience growing coffee, we had dreams of becoming farmers. Sadly, he passed 2 years ago and with him, his knowledge. We struggled to figure out how to continue our dream with limited success.

As a student of the GoFarm Hawaii program, I have learned how to improve our soil, manage weeds without depending as much on chemicals, and we are looking to branch out into new and different crops to diversify our farm. Because of this program, we have also made invaluable connections with other Coffee Farmers and agriculture extension agents which have given us direction and support with our continuing efforts at becoming successful farmers. I feel this program helped us recover and save our farm.

The GoFarm Hawaii program is a needed and valuable program for the state of Hawaii. Their ongoing support, educational opportunities, and network is essential as I plan for the future of my farm and in developing our business.

Thank you for the opportunity to provide my support of this Bill.

Sincerely,

Chad Lindsey

Ho'omana Plantations LLC

From:	Justin Cadiz
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 10:36:06 AM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

The unknown spread of the virus and the fungi has devastated many farmers on Windward side of Oahu, forcing farmers to grow other types of ornamental flowers and slowing down their operations. Research funding is necessary for growers and researchers to continue their efforts in finding a solution and the cause of the decline.

From:	Robert Paull
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Tuesday, February 5, 2019 6:30:57 AM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

The unknown spread of the virus and the fungi has devastated many farmers on Windward side of Oahu, forcing farmers to grow other types of ornamental flowers and slowing down their operations. Research funding is necessary for growers and researchers to continue their efforts in finding a solution and the cause of the decline.

From:	John Gordines
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 1:32:49 PM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

The unknown spread of the virus and the fungi has devastated many farmers on Windward side of Oahu, forcing farmers to grow other types of ornamental flowers and slowing down their operations. Research funding is necessary for growers and researchers to continue their efforts in finding a solution and the cause of the decline.

From:	Adam Killermann
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Tuesday, February 5, 2019 4:49:28 AM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

The unknown spread of the virus and the fungi has devastated many farmers on Windward side of Oahu, forcing farmers to grow other types of ornamental flowers and slowing down their operations. Research funding is necessary for growers and researchers to continue their efforts in finding a solution and the cause of the decline.

From:	Michelle Gorham
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 10:37:36 PM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

The unknown spread of the virus and the fungi has devastated many farmers on Windward side of Oahu, forcing farmers to grow other types of ornamental flowers and slowing down their operations. Research funding is necessary for growers and researchers to continue their efforts in finding a solution and the cause of the decline.

From:	Nicole Correa
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 8:07:29 PM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

The unknown spread of the virus and the fungi has devastated many farmers on Windward side of Oahu, forcing farmers to grow other types of ornamental flowers and slowing down their operations. Research funding is necessary for growers and researchers to continue their efforts in finding a solution and the cause of the decline.

From:	Joni Kamiya
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 7:41:38 PM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

The unknown spread of the virus and the fungi has devastated many farmers on Windward side of Oahu, forcing farmers to grow other types of ornamental flowers and slowing down their operations. Research funding is necessary for growers and researchers to continue their efforts in finding a solution and the cause of the decline.

From:	Stephen Filipiak
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 6:44:47 PM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

The unknown spread of the virus and the fungi has devastated many farmers on Windward side of Oahu, forcing farmers to grow other types of ornamental flowers and slowing down their operations. Research funding is necessary for growers and researchers to continue their efforts in finding a solution and the cause of the decline.

From:	Jari Sugano
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 3:47:03 PM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

The unknown spread of the virus and the fungi has devastated many farmers on Windward side of Oahu, forcing farmers to grow other types of ornamental flowers and slowing down their operations. Research funding is necessary for growers and researchers to continue their efforts in finding a solution and the cause of the decline.

From:	Shelly Anderson
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 3:04:44 PM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

The unknown spread of the virus and the fungi has devastated many farmers on Windward side of Oahu, forcing farmers to grow other types of ornamental flowers and slowing down their operations. Research funding is necessary for growers and researchers to continue their efforts in finding a solution and the cause of the decline.

From:	Beverly LeMaster
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 2:48:08 PM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

The unknown spread of the virus and the fungi has devastated many farmers on Windward side of Oahu, forcing farmers to grow other types of ornamental flowers and slowing down their operations. Research funding is necessary for growers and researchers to continue their efforts in finding a solution and the cause of the decline.

From:	Justin Teixeira
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 1:45:14 PM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

The unknown spread of the virus and the fungi has devastated many farmers on Windward side of Oahu, forcing farmers to grow other types of ornamental flowers and slowing down their operations. Research funding is necessary for growers and researchers to continue their efforts in finding a solution and the cause of the decline.

From:	Randy Cabral
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 1:37:55 PM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

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From:	<u>melvin kunitake</u>
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 11:40:51 AM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

The unknown spread of the virus and the fungi has devastated many farmers on Windward side of Oahu, forcing farmers to grow other types of ornamental flowers and slowing down their operations. Research funding is necessary for growers and researchers to continue their efforts in finding a solution and the cause of the decline.

From:	Megan Kono
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 11:40:29 AM

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From:	Yarrow Flower
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 11:37:12 AM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

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From:	Monica Ivey
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Tuesday, February 5, 2019 1:55:23 PM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

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From:	Verna Eguires
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Wednesday, February 6, 2019 7:57:20 AM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

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From:	Melvin Matsuda
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Wednesday, February 6, 2019 6:50:28 AM

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From:	Philippe Visintainer
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Wednesday, February 6, 2019 12:20:32 AM

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From:	Frederick Mencher
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Tuesday, February 5, 2019 10:59:54 PM

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From:	Valli Sendan
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Tuesday, February 5, 2019 4:39:37 PM

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To:	AEN Testimony
Subject:	I Support SB 752
Date:	Tuesday, February 5, 2019 1:10:23 PM

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From:	Amy Martens
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Tuesday, February 5, 2019 10:05:22 AM

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From:	Minney Alison
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Tuesday, February 5, 2019 7:04:28 AM

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From:	Valerie Correa
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Tuesday, February 5, 2019 6:46:14 AM

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From:	<u>Jean Brokish</u>
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Tuesday, February 5, 2019 4:51:03 AM

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From:	ALVIN TSURUDA
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Tuesday, February 5, 2019 12:07:21 AM

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From:	Lorie Obra
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Subject:	I Support SB 752
Date:	Monday, February 4, 2019 10:09:29 PM

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To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 9:48:25 PM

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From:	Ronald Mckeehan
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 8:43:30 PM

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From:	Francesca Koethe
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 7:44:01 PM

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From:	donald sommer
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 4:39:36 PM

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From:	<u>Jason T Okuhama</u>
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 2:23:46 PM

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From:	Susan Mulkern
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 2:23:36 PM

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From:	John Gordines
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 1:32:49 PM

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From:	Carrie Palama
To:	AEN Testimony
Subject:	I Support SB 752
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From:	Ming-Li Wang
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 12:54:14 PM

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From:	Laila Jayyousi
To:	AEN Testimony
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Date:	Monday, February 4, 2019 12:32:00 PM

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From:	scot willson
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 12:23:39 PM

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From:	Jamie barton
To:	AEN Testimony
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From:	Carolynn Lum
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 12:07:03 PM

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From:	Stephanie Whalen
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 12:06:01 PM

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From:	Kylie Matsuda-Lum
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 12:00:17 PM

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From:	Young Tarring
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 11:46:32 AM

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From:	Melvin Matsuda
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Wednesday, February 6, 2019 6:50:28 AM

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To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 1:30:51 PM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

The unknown spread of the virus and the fungi has devastated many farmers on Windward side of Oahu, forcing farmers to grow other types of ornamental flowers and slowing down their operations. Research funding is necessary for growers and researchers to continue their efforts in finding a solution and the cause of the decline.

From:	Ming-Li Wang
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 12:54:14 PM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

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From:	Laila Jayyousi
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 12:32:00 PM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

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From:	Rodney & Karol Haraguchi
То:	AEN Testimony
Subject:	I Support SB 752
Date:	Thursday, February 7, 2019 9:54:25 AM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

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From:	Ed Reyes
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Tuesday, February 5, 2019 10:30:50 AM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

The unknown spread of the virus and the fungi has devastated many farmers on Windward side of Oahu, forcing farmers to grow other types of ornamental flowers and slowing down their operations. Research funding is necessary for growers and researchers to continue their efforts in finding a solution and the cause of the decline.

From:	John Gordines
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 1:32:49 PM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

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From:	scot willson
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 12:23:39 PM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

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From:	Jamie barton
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 12:09:49 PM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

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From:	Carolynn Lum
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 12:07:03 PM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

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From:	Stephanie Whalen
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 12:06:01 PM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

The unknown spread of the virus and the fungi has devastated many farmers on Windward side of Oahu, forcing farmers to grow other types of ornamental flowers and slowing down their operations. Research funding is necessary for growers and researchers to continue their efforts in finding a solution and the cause of the decline.

From:	Kylie Matsuda-Lum
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 12:00:17 PM

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The unknown spread of the virus and the fungi has devastated many farmers on Windward side of Oahu, forcing farmers to grow other types of ornamental flowers and slowing down their operations. Research funding is necessary for growers and researchers to continue their efforts in finding a solution and the cause of the decline.

From:	Young Tarring
To:	AEN Testimony
Subject:	I Support SB 752
Date:	Monday, February 4, 2019 11:46:32 AM

I support SB 752, which makes an appropriation (\$200,000) to the University of Hawaii College of Tropical Agriculture and Human Resources for research and prevention of the spread of ornamental ginger pathogens.

The unknown spread of the virus and the fungi has devastated many farmers on Windward side of Oahu, forcing farmers to grow other types of ornamental flowers and slowing down their operations. Research funding is necessary for growers and researchers to continue their efforts in finding a solution and the cause of the decline.

Dear Chairs Gabbard and Kim, Vice Chairs Ruderman and Kidani, & members of the committees,

Please recognize my strong support for SB 261, which appropriates funds to the GoFarm Hawaii program. As a student of the program, I am not only learning handson production and marketing skills, I am starting to think about my business goals and I am building a network that can support my future in the agricultural industry. During the program, I have not only been able to learn about farming, I am actively managing a plot of land, marketing and selling products, developing a business plan, and looking closely at the financial viaiblity of specific crops and my business. After graduating, I plan to start a farm on my own land but intend to continue using the support services that the program offers.

The GoFarm Hawaii program is a needed and valuable program for the state of Hawaii. Their ongoing support, educational opportunites, and network is essential as I plan for my new business.

Thank you for the opportunity to provide my support of this Bill.

Sincerely, Karen Kochenbach New Farmer (hopefully) February 6, 2019

Subject: Support for SB261- Go Farm Hawai'i Program

Aloha Chairs Gabbard and Kim, Vice Chairs Ruderman and Kidani and members of the committees,

As a parent of children who attend a Hawaiian public charter school, Kawaikini NCPCS, on the island of Kaua'i, I cannot express in one letter how important funding for Go Farm is. Go Farm on Kaua'i has not only educated and inspired future farmers, educators and community members to grow local, healthy food to support a local economy...they have also taught and inspired our keiki to do the same.

Keiki go home with produce they have learned to plant, nurture and grow through their valuable experiences at Go Farm Hawai'i. They come home proud to share something they have worked hard for and that they can contribute to their family. I know that this is just one of many examples of the successful work that Go Farm has done throughout Hawai'i.

Please support this valuable program that inspires and grows future farmers for Hawai'i.

Me ka mahalo,

-Malia Chun Mother to Lei'ohu and La'akea Chun