



UNIVERSITY OF HAWAII SYSTEM

Legislative Testimony

Testimony Presented Before the
House Committee on Lower and Higher Education
Friday, February 7, 2020 at 2:20 p.m.

By
Nicholas Comerford, Dean
College of Tropical Agriculture and Human Resources
And
Michael Bruno
Provost
University of Hawai'i at Mānoa

HB 2159 – RELATING TO AGRICULTURE

Chair Woodson, Vice Chairs Hashem and Quinlan, and members of the House Committee on Lower and Higher Education:

Thank you for the opportunity to testify on HB 2159 relating to agriculture and ornamental ginger and which appropriates funding 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) supports this bill and we respectfully provide the following information to substantiate our position.

This bill is one of three (3) addressing biosecurity in the ornamental/landscape industry and 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, and which are secondary pathogens infecting a weakened plant.

Research on the disease and survey of its extent continue to be needed. Biosecurity issues like this constantly occur. 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 often unavailable.

We support this bill provided that its passage is in addition to and does not replace or adversely impact priorities as indicated in our BOR Approved Budget.

Thank you for the opportunity to submit testimony in support of HB 2159.



February 5, 2020

Representative Justin H. Woodson, Chair
Representative Mark J. Hashem, Vice Chair
Representative Sean Quinlan, Vice Chair
House Committee on Lower & Higher Education

Testimony in Support of HB 2159, Relating to the University of Hawaii College of Tropical Agriculture and Human Resources (UHCTAHR) (Appropriates funds to UHCTAHR for research and prevention of the spread of ornamental ginger pathogens.)

Friday, February 7, 2020, 2:20 p.m., in Conference Room 309

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 utility companies. 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 HB 2159**.

HB 2159. 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.

Despite 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 flora and landscape production industries.

For the above reasons, LURF **supports HB 2159** and respectfully urges your favorable consideration.

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



EAST OAHU COUNTY FARM BUREAU
910 CALIFORNIA AVE., WAHIAWA, HI 96786

February 5, 2020

Representative Justin H. Woodson, Chair
Representatives Mark J. Hashem and Sean Quinlan, Vice Chairs
House Committee on Lower & Higher Education
State Capitol, 415 S. Beretania St.
Honolulu, Hawai'i 96813

Dear Chair Woodson, Vice Chairs Hashem and Quinlan, and Members of the Committee,

The East O'ahu County Farm Bureau, which represents approximately 420 farmers and supporters of agriculture from Waimanalo to Kahuku, **strongly supports HB 2159**, "Relating to Agriculture," which would provide funding for CTAHR for research and prevention of the spread of ornamental ginger pathogens.

During the last few years, an emerging disease of red ginger has devastated fields of this valuable ornamental plant in Windward O'ahu. The disease causes wilting and stunting of the affected plants. Observations by CTAHR extension personnel suggest that the disease is caused by some combination of pathogens, possibly including viruses, bacteria, and/or fungi. CTAHR has used in-house funds to begin preliminary studies, primarily identifying the viruses present in affected plants, in an effort to determine the cause and prevent the spread of the disease. More funding is needed to extend and complete these studies. In the meantime, ornamental growers elsewhere on O'ahu and on the other Hawaiian islands are concerned that, like many other plant diseases and pests, the new disease will spread to their farms.

We therefore respectfully request that your committee approve the appropriation proposed by HB 2159. Thank you for the opportunity to testify on this important matter.

Sincerely,

Frederick M. Mencher
for Grant Hamachi, President
East O'ahu County Farm Bureau

HB-2159

Submitted on: 2/6/2020 11:27:18 AM

Testimony for LHE on 2/7/2020 2:20:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Nicole K Galase	Hawaii Cattlemen's Council	Support	No

Comments:



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 7, 2020

HEARING BEFORE THE
HOUSE COMMITTEE ON LOWER & HIGHER EDUCATION

TESTIMONY ON SB 2159
RELATING AGRICULTURE

Room 309
2:20 PM

Aloha Chair Woodson, Vice Chairs Hashem and Quinlan, and Members of the Committee:

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

The Hawaii Farm Bureau strongly supports HB 2159, 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 (*marasmius*) 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 off-island 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.

HB-2159

Submitted on: 2/6/2020 1:57:34 PM

Testimony for LHE on 2/7/2020 2:20:00 PM

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

Comments:

From: Brad Seymour <brad@seymourresourcehawaii.com>
Sent: Thursday, February 6, 2020 10:43 AM
To: LHEtestimony <lhetestimony@capitol.hawaii.gov>
Subject: I support SB2784

Dear Chairman Woodson,

Aloha Chair Woodson and Kim, Vice-Chair Hashem and Quinlan, and members of the committee

I support HB2159, 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.

In recent years, the production of ornamental red ginger on Oahu has been hit hard by a new disease that causes wilting and stunting of the plants. If the cause of the disease is not identified, the disease will continue to devastate red ginger production on Oahu and may spread to other islands. CTAHR has funded preliminary studies, but more funding is needed to identify the cause of the disease, which may involve viruses, bacteria, and/or fungi, and to devise mitigation strategies.

Thank you for the opportunity to submit testimony.

Mahalo!

Sincerely,

Brad Seymour
Manager
SR HAWAII
390 Hale Pl
Kapaa, HI 96746
brad@seymourresourcehawaii.com

From: Mr. & Mrs. Gerrit Takasaki <user@votervoice.net>
Sent: Thursday, February 6, 2020 10:43 AM
To: LHEtestimony <lhetestimony@capitol.hawaii.gov>
Subject: I support SB2784

Dear Chairman Woodson,

Aloha Chair Woodson and Kim, Vice-Chair Hashem and Quinlan, and members of the committee

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Thank you for the opportunity to submit testimony.

Mahalo!

Sincerely,

Gerrit Takasaki
Hawaii Hybrids, LLC
Hawaii Hybrids, LLC
PO Box 4218
Hilo, HI 96720
hawaiihybrids@aol.com

quinlan1 - David

From: GLENN TOYAMA <gtoyama67@gmail.com>
Sent: Thursday, February 6, 2020 12:09 PM
To: LHEtestimony
Subject: I support SB2784

Dear Chairman Woodson,

Aloha Chair Woodson and Kim, Vice-Chair Hashem and Quinlan, and members of the committee

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Thank you for the opportunity to submit testimony.

Mahalo!

Sincerely,

GLENN TOYAMA
hobbies-retire
PO Box 5
Mountain View, HI 96771
gtoyama67@gmail.com

From: Hiromichi Nago <emhawaii001@hawaii.rr.com>
Sent: Thursday, February 6, 2020 10:16 AM
To: LHEtestimony <lhetestimony@capitol.hawaii.gov>
Subject: I support SB2784

Dear Chairman Woodson,

Aloha Chair Woodson and Kim, Vice-Chair Hashem and Quinlan, and members of the committee

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Thank you for the opportunity to submit testimony.

Mahalo!

Sincerely,

Hiromichi Nago
President
EM HAWAII, LLC
560 N Nimitz Hwy Ste 217A
Honolulu, HI 96817
emhawaii001@hawaii.rr.com

Dear Chairman Woodson,

Aloha Chair Woodson and Kim, Vice-Chair Hashem and Quinlan, and members of the committee

I support HB2159, 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.

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Thank you for the opportunity to submit testimony.

Mahalo!

Sincerely,

James Gomes
Operation Manager
Ulupalakua Ranch
8640 Kula Hwy
Kula, HI 96790
jag@urmaui.com

quinlan1 - David

From: John Gordines <gordines@kauaiflowers.com>
Sent: Thursday, February 6, 2020 11:15 AM
To: LHEtestimony
Subject: I support SB2784

Dear Chairman Woodson,

Aloha Chair Woodson and Kim, Vice-Chair Hashem and Quinlan, and members of the committee

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Thank you for the opportunity to submit testimony.

Mahalo!

Sincerely,

John Gordines
6721 Kawaihau Rd
Kapaa, HI 96746
gordines@kauaiflowers.com

Dear Chairman Woodson,

Aloha Chair Woodson and Kim, Vice-Chair Hashem and Quinlan, and members of the committee

I support HB2159, 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.

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Thank you for the opportunity to submit testimony.

Mahalo!

Sincerely,

Kylie Matsuda-Lum
56-800 Kamehameha Hwy
Kahuku, HI 96731
kylie@kahukufarms.com

From: Randy Cabral <kaiwiki.1970@gmail.com>
Sent: Thursday, February 6, 2020 10:04 AM
To: LHEtestimony <lhetestimony@capitol.hawaii.gov>
Subject: I support HB2159

Dear Chairman Woodson,

Aloha Chair Woodson and Kim, Vice-Chair Hashem and Quinlan, and members of the committee

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Thank you for the opportunity to submit testimony.

Mahalo!

Sincerely,

Randy Cabral
PO BOX 337
VOLCANO, HI 96785
kaiwiki.1970@gmail.com

From: Robert Paull <robertepaull@gmail.com>
Sent: Thursday, February 6, 2020 10:48 AM
To: LHEtestimony <lhetestimony@capitol.hawaii.gov>
Subject: I support SB2784

Dear Chairman Woodson,

Aloha Chair Woodson and Kim, Vice-Chair Hashem and Quinlan, and members of the committee

I support HB2159, 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.

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Thank you for the opportunity to submit testimony.

Mahalo!

Sincerely,

Robert Paull
PProfessor/researcher
5393 Poola St
Honolulu, HI 96821
robertepaull@gmail.com

quinlan1 - David

From: Ron Kauha'aha'a <ron.kauhaahaa@nutrien.com>
Sent: Thursday, February 6, 2020 11:44 AM
To: LHEtestimony
Subject: I support SB2784

Dear Chairman Woodson,

Aloha Chair Woodson and Kim, Vice-Chair Hashem and Quinlan, and members of the committee

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Thank you for the opportunity to submit testimony.

Mahalo!

Sincerely,

Ron Kauha'aha'a
Manager
Nutrien Ag Solutions
PO Box 86
Kunia, HI 96759
ron.kauhaahaa@nutrien.com

From: Sandi Kato-Klutke <skatoklutke@gmail.com>
Sent: Thursday, February 6, 2020 10:09 AM
To: LHEtestimony <lhetestimony@capitol.hawaii.gov>
Subject: I support SB2784

Dear Chairman Woodson,

Aloha Chair Woodson and Kim, Vice-Chair Hashem and Quinlan, and members of the committee

I support HB2159, 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.

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Thank you for the opportunity to submit testimony.

Mahalo!

Sincerely,

Sandi Kato-Klutke
Retired
6266 Kawaihau Rd
Kapaa, HI 96746
skatoklutke@gmail.com

quinlan1 - David

From: Susan Cabral <s.kronecabralW@gmail.com>
Sent: Thursday, February 6, 2020 12:14 PM
To: LHEtestimony
Subject: I support SB2784

Dear Chairman Woodson,

Aloha Chair Woodson and Kim, Vice-Chair Hashem and Quinlan, and members of the committee

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Thank you for the opportunity to submit testimony.

Mahalo!

Sincerely,

Susan Cabral
PO Box 337
Volcano, HI 96785
s.kronecabralW@gmail.com



HOUSE OF REPRESENTATIVES
THE THIRTIETH LEGISLATURE
REGULAR SESSION OF 2020

COMMITTEE ON LOWER & HIGHER EDUCATION

Rep. Justin H. Woodson, Chair
Rep. Mark J. Hashem, Vice Chair
Rep. Sean Quinlan, Vice Chair

NOTICE OF HEARING

Friday, February 7, 2020 2:20 P.M.
Conference Room 309
State Capitol
415 South Beretania Street

HB2159: 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 Strongly Supports HB2159

We believe it is important to our industry to be able to grow and produce our products disease and pest free so that we can export within the state and to the world.

Ornamental ginger is considered one of the classic flowers of Hawaii's Tropical flowers and to maintain Hawaii as a one stop shop for purchasers of tropical flowers, we need to be able to keep growing this iconic flower.

HTFC ■ P.O. Box 4400 ■ Hilo, HI 96720 ■ www.hawaiitropicalflowercouncil.org





We ask that you help support our floriculture industry by supporting this important research.

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

Sincerely,

Thong Teng Neo
President
Hawaii Tropical Flower Council

LHEtestimony

From: County Farm Bureau <jerrysfarmkauai@gmail.com>
Sent: Thursday, February 6, 2020 2:28 PM
To: LHEtestimony
Subject: I support SB2784

LATE

Dear Chairman Woodson,

Aloha Chair Woodson and Kim, Vice-Chair Hashem and Quinlan, and members of the committee

I support HB2159, 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.

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Thank you for the opportunity to submit testimony.

Mahalo!

Sincerely,

County Farm Bureau
6170 Hauiki Rd Unit G
Kapaa, HI 96746
jerrysfarmkauai@gmail.com



LATE

Hawaii Floriculture and Nursery Association

HOUSE OF REPRESENTATIVES
THE THIRTIETH LEGISLATURE
REGULAR SESSION OF 2020

COMMITTEE ON LOWER & HIGHER EDUCATION

Rep. Justin H. Woodson, Chair
Rep. Mark J. Hashem, Vice Chair
Rep. Sean Quinlan, Vice Chair

NOTICE OF HEARING

Friday, February 7, 2020 2:20 P.M.
Conference Room 309
State Capitol
415 South Beretania Street

HB2159: 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) **STRONGLY SUPPORTS House Bill 2159**

Ornamental ginger is a popular tropical flower that could be considered to be a symbol 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 these viruses to growers statewide.

It is important to combat these threats as soon as possible and having a resource to turn to is a tremendous help.

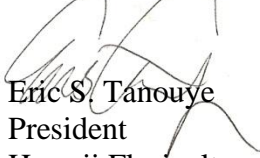
We ask that you support our industry and agriculture, so that we may continue to bring the beauty of Hawaii to others through flowers and ornamentals.



Hawaii Floriculture and Nursery Association

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



LATE

HOUSE OF REPRESENTATIVES
THE THIRTIETH LEGISLATURE
REGULAR SESSION OF 2020

COMMITTEE ON LOWER & HIGHER EDUCATION

Rep. Justin H. Woodson, Chair
Rep. Mark J. Hashem, Vice Chair
Rep. Sean Quinlan, Vice Chair

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State Capitol
415 South Beretania Street

HB2159: 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.

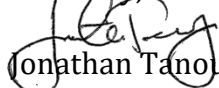
My name is Jon Tanouye and I am the current President of the Orchid Growers of Hawaii (OGOH).

OGOH Strongly Supports HB2159

The orchid industry understands how important it is to help move our products with the help of other floriculture and ornamentals that are available in Hawaii. We ask that you help our fellow growers and producers understand the diseases and pathogens that put our flowers at risk.

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.

Sincerely,


Jonathan Tanouye
President

Orchid Growers of Hawaii (OGOH)

LATE

HB-2159

Submitted on: 2/7/2020 4:39:44 AM

Testimony for LHE on 2/7/2020 2:20:00 PM

Submitted By	Organization	Testifier Position	Present at Hearing
Kelvin Sewake	Individual	Support	No

Comments:

LHEtestimony

From: Jerry Nishek <jerry@kauainursery.com>
Sent: Thursday, February 6, 2020 7:08 PM
To: LHEtestimony
Subject: I support SB2784



Dear Chairman Woodson,

Aloha Chair Woodson and Kim, Vice-Chair Hashem and Quinlan, and members of the committee

I support HB2159, 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.

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Thank you for the opportunity to submit testimony.

Mahalo!

Sincerely,

Jerry Nishek
General Manager
Kauai Nursery & Landscaping Inc.
3-1550 Kaumualii Hwy
Lihue, HI 96766
jerry@kauainursery.com

LHEtestimony

From: Joni Kamiya <jonikamiya@gmail.com>
Sent: Thursday, February 6, 2020 5:20 PM
To: LHEtestimony
Subject: I support SB2784

LATE

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Thank you for the opportunity to submit testimony.

Mahalo!

Sincerely,

Joni Kamiya
Kamiya Papaya
45-601 Apapane St
Kaneohe, HI 96744
jonikamiya@gmail.com

LHEtestimony

From: LUANA BECK <holuanaranch@yahoo.om>
Sent: Thursday, February 6, 2020 3:16 PM
To: LHEtestimony
Subject: I support SB2784

LATE

Dear Chairman Woodson,

Aloha Chair Woodson and Kim, Vice-Chair Hashem and Quinlan, and members of the committee

I support HB2159, 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.

In recent years, the production of ornamental red ginger on Oahu has been hit hard by a new disease that causes wilting and stunting of the plants. If the cause of the disease is not identified, the disease will continue to devastate red ginger production on Oahu and may spread to other islands. CTAHR has funded preliminary studies, but more funding is needed to identify the cause of the disease, which may involve viruses, bacteria, and/or fungi, and to devise mitigation strategies.

Thank you for the opportunity to submit testimony.

Mahalo!

Sincerely,

LUANA BECK
PO Box 711510
Mountain View, HI 96771
holuanaranch@yahoo.om

LHEtestimony

From: Michelle Gorham <michelle.gorham@gmail.com>
Sent: Friday, February 7, 2020 7:24 AM
To: LHEtestimony
Subject: I support SB2784

LATE

Dear Chairman Woodson,

Aloha Chair Woodson and Kim, Vice-Chair Hashem and Quinlan, and members of the committee

I support HB2159, 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.

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Thank you for the opportunity to submit testimony.

Mahalo!

Sincerely,

Michelle Gorham
1813 10th Ave Apt A
Honolulu, HI 96816
michelle.gorham@gmail.com

LHEtestimony

From: Michelle Starke <robert.starke.007@gmail.com>
Sent: Thursday, February 6, 2020 2:44 PM
To: LHEtestimony
Subject: I support SB2784

LATE

Dear Chairman Woodson,

Aloha Chair Woodson and Kim, Vice-Chair Hashem and Quinlan, and members of the committee

I support HB2159, 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.

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Thank you for the opportunity to submit testimony.

Mahalo!

Sincerely,

Michelle Starke
91-1010 Waikoihi St
Ewa Beach, HI 96706
robert.starke.007@gmail.com

LHEtestimony

From: Steve Siegfried <user@votervoice.net>
Sent: Thursday, February 6, 2020 2:50 PM
To: LHEtestimony
Subject: I support SB2784



Dear Chairman Woodson,

Aloha Chair Woodson and Kim, Vice-Chair Hashem and Quinlan, and members of the committee

I support HB2159, 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.

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Thank you for the opportunity to submit testimony.

Mahalo!

Sincerely,

Steve Siegfried
Partner/Manager
Olopawa Farms
PO Box 381
Hana, HI 96713
soshnm@aol.com