

DAVID Y. IGE  
Governor

JOSH GREEN  
Lt. Governor



PHYLLIS SHIMABUKURO-GEISER  
Chairperson, Board of Agriculture

GLENN K. MURANAKA  
Deputy to the Chairperson

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

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

**BEFORE THE HOUSE COMMITTEES ON AGRICULTURE AND LOWER & HIGHER  
EDUCATION**

**MARCH 15, 2019  
2:25 P.M.  
CONFERENCE ROOM 309**

**SENATE BILL NO. 752 SD1  
RELATING TO AGRICULTURE**

Chairpersons Creagan and Woodson and Members of the Committees:

Thank you for the opportunity to present testimony on Senate Bill 752 SD1. 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.

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.

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.

Thank you for the opportunity to testify on this measure.





# UNIVERSITY OF HAWAII SYSTEM

## Legislative Testimony

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Testimony Presented Before the  
House Committee on Agriculture

And

House Committee on Lower and Higher Education

Friday, March 15, 2019 at 2:25 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 SD1 – RELATING TO AGRICULTURE

Chairs Creagan and Woodson, Vice Chairs DeCoite, Hashem and Perruso, and members of the House Committee on Agriculture and House Committee on Lower and Higher Education:

Thank you for the opportunity to testify on SB 752 SD1 relating to agriculture and ornamental ginger and which appropriates funding for fiscal years FY20 and FY21 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.

SB 752 SD1 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. Additional funding (\$200,000 in the first version of the bill) 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 FY20 and FY21; and hopefully brings this issue to a successful conclusion.

We support 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.



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

March 15, 2019

HEARING BEFORE THE  
HOUSE COMMITTEE ON AGRICULTURE  
HOUSE COMMITTEE ON LOWER & HIGHER EDUCATION

**TESTIMONY ON SB 752, SD1**  
RELATING AGRICULTURE

Room 309  
2:25 PM

Aloha Chairs Creagan and Woodson, Vice Chairs DeCoite, Hashem, and Perruso, 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, SD1**, 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.

**SB-752-SD-1**

Submitted on: 3/14/2019 8:39:38 AM

Testimony for AGR on 3/15/2019 2:25:00 PM

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

Comments:

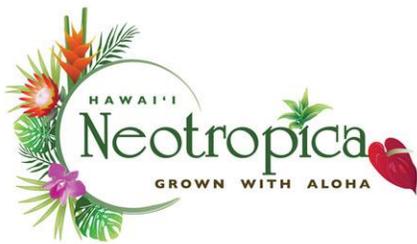
**LATE**

**SB-752-SD-1**

Submitted on: 3/15/2019 4:33:44 AM  
Testimony for AGR on 3/15/2019 2:25:00 PM

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

Comments:



**LATE**

## Hawaii Floriculture and Nursery Association

HOUSE OF REPRESENTATIVES  
THE THIRTIETH LEGISLATURE  
REGULAR SESSION OF 2019

**COMMITTEE ON AGRICULTURE**

Rep. Richard P. Creagan, Chair  
Rep. Lynn DeCoite, Vice Chair

**COMMITTEE ON LOWER & HIGHER EDUCATION**

Rep. Justin H. Woodson, Chair  
Rep. Mark J. Hashem, Vice Chair  
Rep. Amy A. Perruso, Vice Chair

Friday, March 15, 2019  
2:25pm  
Conference Room 309  
State Capitol  
415 South Beretania Street

**SB752 SD1 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.

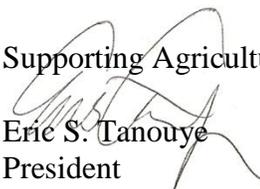
My name is Eric S. Tanouye and I am the President for the Hawaii Floriculture and Nursery Association. HFNA is a statewide umbrella organization with approximately 300 members. Our membership is made up with breeders, hybridizers, propagators, growers, shippers, wholesalers, retailers, educators, and 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](mailto:eric@greenpointnursery.com).

Supporting Agriculture and Hawaii,

  
Eric S. Tanouye  
President  
Hawaii Floriculture and Nursery Association



March 13, 2019

Representative Richard P. Creagan, Chair  
Representative Lynn De Coite, Vice Chair  
House Committee on Agriculture

Representative Justin H. Woodson, Chair  
Representative Mark J. Hashem, Vice Chair  
Representative Amy A. Perruso, Vice Chair  
House Committee on Lower & Higher Education

**Testimony in Support of SB 752, SD1, 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, March 15, 2019, 2:25 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 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, SD1.**

**SB 752, SD1.** 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 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 **supports SB 752, SD1** and respectfully urges your favorable consideration.

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

**SB-752-SD-1**

Submitted on: 3/14/2019 9:21:22 AM

Testimony for AGR on 3/15/2019 2:25:00 PM

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

Comments:

Please support our local growers by passing this bill.

Thank you.

## **decoite2 - Sara**

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**From:** donald sommer <desommer@yahoo.com>  
**Sent:** Wednesday, March 13, 2019 6:12 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** Jason T Okuhama <jokuhama@cblending.com>  
**Sent:** Wednesday, March 13, 2019 4:06 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** Nicole Correa <doubledfarmandranch@gmail.com>  
**Sent:** Wednesday, March 13, 2019 5:08 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** scot willson <aloha@planthawaii.com>  
**Sent:** Wednesday, March 13, 2019 6:31 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** Steven Siegfried <soshnm@aol.com>  
**Sent:** Wednesday, March 13, 2019 4:01 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** Adam Killermann <apkajar@gmail.com>  
**Sent:** Thursday, March 14, 2019 6:21 AM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** Alan Van Zee <alanvzee@gmail.com>  
**Sent:** Wednesday, March 13, 2019 4:26 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** Adam Killermann <apkajar@gmail.com>  
**Sent:** Thursday, March 14, 2019 6:21 AM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Alvin Tsuruda <waihale@hawaiiantel.net>  
**Sent:** Wednesday, March 13, 2019 6:25 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Amy Shinsato <queenpig@gmail.com>  
**Sent:** Wednesday, March 13, 2019 7:44 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Annette Niles <aknranch@aol.com>  
**Sent:** Wednesday, March 13, 2019 10:00 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** Adam Killermann <apkajar@gmail.com>  
**Sent:** Thursday, March 14, 2019 6:21 AM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

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Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** Adam Killermann <apkajar@gmail.com>  
**Sent:** Thursday, March 14, 2019 6:21 AM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

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Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** Alex Franco <afrancokaupo@gmail.com>  
**Sent:** Thursday, March 14, 2019 3:40 AM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Anthony Fraiola  
**Sent:** Thursday, March 14, 2019 10:59 AM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** BRENDA IOKEPA-MOSES <biokepamoses@gmail.com>  
**Sent:** Wednesday, March 13, 2019 5:35 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Carolynn Lum <hawaii96766@yahoo.com>  
**Sent:** Thursday, March 14, 2019 11:02 AM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Christine Brammer <christine.brammer@gmail.com>  
**Sent:** Wednesday, March 13, 2019 6:55 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** Donald Lau <wh TMZda@yahoo.com>  
**Sent:** Wednesday, March 13, 2019 7:40 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Dorothy Reynolds-Yadao <dotty\_ry@yahoo.com>  
**Sent:** Thursday, March 14, 2019 8:48 AM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 testify on this matter.

Mahalo!

## decoite2 - Sara

---

**From:** Dorothy Reynolds-Yadao <dotty\_ry@yahoo.com>  
**Sent:** Thursday, March 14, 2019 8:48 AM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** Frederick Mencher <fmencher@hawaii.rr.com>  
**Sent:** Wednesday, March 13, 2019 8:03 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** Gordon Inouye <gordoninouye@aol.com>  
**Sent:** Thursday, March 14, 2019 8:11 AM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** Heidi Wise <waihii@hotmail.com>  
**Sent:** Thursday, March 14, 2019 6:46 AM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Heidi Watanabe <heidimtw@hotmail.com>  
**Sent:** Wednesday, March 13, 2019 7:29 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** James Tavares <tavaresjam@gmail.com>  
**Sent:** Wednesday, March 13, 2019 4:43 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Jari Sugano <ncsugano@gmail.com>  
**Sent:** Wednesday, March 13, 2019 4:56 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Jennifer Ortal <bouquetsleis@rocketmail.com>  
**Sent:** Thursday, March 14, 2019 8:45 AM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Jerry Nishek <jerry@kauainursery.com>  
**Sent:** Wednesday, March 13, 2019 5:13 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** John Giblin <jgiblinjr@aol.com>  
**Sent:** Thursday, March 14, 2019 9:04 AM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** John Gordines <gordines@kauaiflowers.com>  
**Sent:** Wednesday, March 13, 2019 4:12 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Joni Kamiya <jonikamiya@gmail.com>  
**Sent:** Wednesday, March 13, 2019 4:58 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Kylie Matsuda-Lum <kylie@kahukufarms.com>  
**Sent:** Wednesday, March 13, 2019 4:30 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** Laila Jayyousi <kalua1@hotmail.com>  
**Sent:** Wednesday, March 13, 2019 4:17 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite3 - Richard**

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**From:** Jamie Barton <jaymebee@gmail.com>  
**Sent:** Thursday, March 14, 2019 1:15 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Leann Lum <mauiflorist@yahoo.com>  
**Sent:** Wednesday, March 13, 2019 9:50 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** Louis Yang <louis20yang@yahoo.com>  
**Sent:** Wednesday, March 13, 2019 4:17 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Luly Unemori <luly.unemori2@hawaiiantel.net>  
**Sent:** Wednesday, March 13, 2019 7:27 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Marissa Sabado <marizsabado79@yahoo.com>  
**Sent:** Thursday, March 14, 2019 8:09 AM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** Mary Liles <mliles1@hawaiiantel.net>  
**Sent:** Wednesday, March 13, 2019 4:20 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** Megan Kono <megankono808@gmail.com>  
**Sent:** Thursday, March 14, 2019 8:08 AM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** melvin kunitake <melvin.kuni@gmail.com>  
**Sent:** Wednesday, March 13, 2019 7:46 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** Michelle Watkins <mwatkins002@gmail.com>  
**Sent:** Wednesday, March 13, 2019 10:55 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Philippe Visintainer <philippe@coconutprotectors.com>  
**Sent:** Wednesday, March 13, 2019 6:16 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Randy Yokoyama <rjyoko@gmail.com>  
**Sent:** Wednesday, March 13, 2019 7:57 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Rebecca Buckley Battaglia <tw@hanamaui.net>  
**Sent:** Wednesday, March 13, 2019 5:11 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Robert Paull <robertepaull@gmail.com>  
**Sent:** Thursday, March 14, 2019 6:28 AM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** Rodney & Karol Haraguchi <karol@haraguchiricemill.org>  
**Sent:** Wednesday, March 13, 2019 4:08 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Rodrigo Balala <rbalala@pineapplemaui.com>  
**Sent:** Thursday, March 14, 2019 7:13 AM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** Roy Asao <rasao777@aol.com>  
**Sent:** Wednesday, March 13, 2019 4:11 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** scot willson <aloha@planthawaii.com>  
**Sent:** Wednesday, March 13, 2019 6:31 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

**decoite2 - Sara**

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**From:** sean spellicy <sean@rpetropicals.com>  
**Sent:** Wednesday, March 13, 2019 6:28 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, which makes an appropriation to the University of Hawaii College of Tropical Agriculture and Human Resources allowing research and prevention of the spread of ornamental ginger pathogens.

Mahalo!  
sean spellicy

## **decoite2 - Sara**

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**From:** Sharon Iwasaki <siwasaki001@hawaii.rr.com>  
**Sent:** Wednesday, March 13, 2019 7:24 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Shelly Anderson <orchidsinthemist@gmail.com>  
**Sent:** Wednesday, March 13, 2019 5:17 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** Stefanie Delmont <bluejourney@aol.com>  
**Sent:** Wednesday, March 13, 2019 4:24 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Valli Sendan <aloha@kalanitropicals.com>  
**Sent:** Wednesday, March 13, 2019 5:51 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Verna Kuyper <vernakuyper@mac.com>  
**Sent:** Thursday, March 14, 2019 4:21 AM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Vernon Inouye <vbinouye@aol.com>  
**Sent:** Thursday, March 14, 2019 9:12 AM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Wayne Cambra <thehawaiian69@hotmail.com>  
**Sent:** Wednesday, March 13, 2019 8:59 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** Winifred Marcos <w1n1marc@gmail.com>  
**Sent:** Thursday, March 14, 2019 6:32 AM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## **decoite2 - Sara**

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**From:** LUANA BECK <hooluanaranch@yahoo.com>  
**Sent:** Thursday, March 14, 2019 3:13 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!

## decoite2 - Sara

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**From:** Phil Becker <aikaneplantation@hawaii.rr.com>  
**Sent:** Wednesday, March 13, 2019 4:17 PM  
**To:** AGRtestimony  
**Subject:** I Support SB 752, SD 1

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Dear Chair Creagan, Chair Woodson, Vice Chair DeCoite, Vice Chair Hashem, Vice Chair Perruso, and Members of the Committees,

I support SB 752, SD 1, 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 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.

Thank you for the opportunity to testify on this matter.

Mahalo!