

**HB 2596**

DAVID Y. IGE  
Governor

SHAN S. TSUTSUI  
Lt. Governor



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

SCOTT E. ENRIGHT  
Chairperson, Board of Agriculture

PHYLLIS SHIMABUKURO-GEISER  
Deputy to the Chairperson

**TESTIMONY OF SCOTT E. ENRIGHT  
CHAIRPERSON, BOARD OF AGRICULTURE**

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

March 18, 2016  
1:45 P.M.  
CONFERENCE ROOM 414

**HOUSE BILL NO. 2596  
RELATING TO MACADAMIA FELTED COCCID**

Chairpersons Gabbard and Wakai and Members of the Committees:

Thank you for the opportunity to testify on House Bill 2596. This bill would appropriate funding for research to develop new methods of preventing and treating macadamia felted coccid infestations. The Hawaii Department of Agriculture is in support of this bill provided that it does not impact the department's executive budget priorities, and would defer to the University of Hawaii College of Tropical Agriculture and Human Resources as to the level of funding that is needed.

The macadamia nut industry is a vital part of the agricultural economy here in Hawaii. With an estimated farm value of over \$35 million, macadamia nuts are one of the top five agricultural commodities for the State of Hawaii.

The macadamia felted coccid can cause severe damage to macadamia nut trees and hurt our macadamia nut industry. It is vital to develop new methods to prevent the spread of this pest and limit the damage that it will have on the macadamia nut industry.

Thank you for the opportunity to testify.





# UNIVERSITY OF HAWAII SYSTEM

## Legislative Testimony

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Written Testimony Presented Before The  
Senate Committee on Water, Land, and Agriculture  
And

Senate Committee on Economic Development, Environment, and Technology  
Friday, March 18, 2016 at 1:45 pm

By

Robert Bley-Vroman, Chancellor

And

Maria Gallo, Dean

And

J. Kenneth Grace, Associate Dean

College of Tropical Agriculture and Human Resources  
University of Hawai'i at Mānoa

### HB 2596 – RELATING TO THE MACADAMIA FELTED COCCID

Chairs Gabbard and Wakai, Vice Chairs Nishihara and Slom, and members of the Senate Committee on Water, Land, and Agriculture and Senate Committee on Economic Development, Environment, and Technology, thank you for the opportunity to testify in **support** of HB 2596 which appropriates funds to the department of agriculture to collaborate with the University of Hawai'i to research and develop methods for the prevention and treatment of macadamia felted coccid.

Hawai'i is the third largest producer of macadamia nuts in the world, with approximately 15,000 acres harvested on the Island of Hawai'i and a \$38.2 million farm-gate value (NASS 2012). Macadamia felted coccid is a severe pest of macadamia. This scale insect was found in south Kona in February 2005, and is now distributed throughout the Island of Hawai'i. Development of new control methods and appropriate management recommendations are essential for Hawai'i's producers to stop this invasive pest. Horticultural and harvest methods used in Hawai'i and the large size of trees in our well-established orchards contribute to great difficulties in achieving effective control.

In FY 2014, the legislature appropriated funds to initiate collaboration by the Department of Agriculture and CTAHR to address this serious invasive pest problem, augmented by funds committed by industry. With this support, CTAHR has worked in collaboration with the department to research the impact of canopy management, to identify key predators of the coccid and to augment their populations by planting refuge plants in orchards, and to evaluate other new control options.

This is not a simple problem, and a multi-year effort is required. HB 2596 requests appropriation of funds to continue this research effort to the department of agriculture, in order to identify and import effective biological control agents, find ways to further increase the populations of natural enemies of this insect pest, develop better insecticide application technologies, and ultimately develop an effective macadamia felted coccid management plan for Hawai'i macadamia orchards.



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

March 18, 2016

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

**TESTIMONY ON HB 2596**  
RELATING TO THE MACADAMIA FELTID COCCID

Room 414  
1:45 PM

Aloha Chair Wakai, Chair Gabbard, Vice Chair Slom, Vice Chair Nishihara, and Members of the Committees:

I am Randy Cabral, President 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 interest of our diverse agricultural community.

**HFB strongly supports HB 2596**, which appropriates funds to the Hawaii Department of Agriculture to research and develop methods for the prevention and treatment of macadamia felted coccid.

Hawai'i is the 3<sup>rd</sup> largest producer of macadamia nuts in the world (570 farms, operating on 17,000 acres), after Australia and South Africa. Production in 2013-2014 totaled 41 million pounds; **the net farm value was \$35.7 million.**

The macadamia felted coccid (MFC) threatens the entire macadamia nut industry in Hawaii by causing severe tree dieback and then death. Even mature trees can be killed by this small insect. If not controlled, we believe the MFC will spread and could devastate Hawaii's macadamia nut industry. We have seen what the coffee berry borer has done to the local coffee industry and we know that we can't afford to wait. We need to fund research to find economical solutions to this problem. This bill would supply the needed funding to help develop new ways to prevent and treat MFC infestations.

**Hundreds of jobs are tied to macadamia farming in Hawai'i**; it is a vital source of employment in Ka'u, which has among the highest unemployment rate in the state. Over 50% of Hawai'i's macadamia tree acres are located in the Ka'u district, the area hardest hit by the MFC. **Please support HB 2596.**

Thank you for the opportunity to comment on this measure.



March 14, 2016

Senator Glenn Wakai, Chair  
Senator Sam Slom, Vice Chair  
Senate Committee on Economic Development, Environment, and Technology

Senator Mike Gabbard, Chair  
Senator Clarence K. Nishihara, Vice Chair  
Senate Committee on Water, Land, and Agriculture

**Testimony in Support of HB 2596, Relating to Agriculture (Appropriates Funds to the Department of Agriculture (DOA) to Research and Develop Methods for the Prevention and Treatment of Macadamia Felted Coccid).**

**Friday, March 18, 2016, 1:45 p.m., in Conference Room 414**

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 HB 2596.**

**HB 2596.** This bill proposes to appropriate funds out of the general revenues of the State of Hawaii as may be necessary for fiscal year 2016-2017 for the University of Hawaii's College of Tropical Agriculture and Human Resources (UHCTAHR), to research and develop methods for the prevention and treatment of macadamia felted coccid in cooperation with the DOA; and to hire one UHCTAHR extension agent to work on macadamia nut cultivation, post-harvest handling, and processing concerns, consistent with the Hawaii Macadamia Nut Association research priority goals. The purpose of this measure is to provide funding toward research to develop new methods of preventing and treating macadamia felted coccid infestations.

**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 many more harmful pests, such as the macadamia felted coccid, now threaten to invade all of the Hawaiian Islands and wreak further damage, including damage to Hawaii's macadamia nut crop, which is among the State's top five grossing agricultural commodities.

Despite initial efforts to control the spread of the macadamia felted coccid, infestations have now spread from South Kona to the orchards in the Pahala area on the Big Island, and new methods must be developed to control the incursions. Appropriated funds for research to develop new methods of preventing and treating macadamia felted coccid infestations are immediately necessary to mitigate the threats and impacts of uncontrolled spread and devastation of the State's macadamia nut industry.

For the above reasons, LURF **supports HB 2596** and respectfully urges your favorable consideration.

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

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:52:56 PM

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-----Original Message-----

From: HI PAPAYA INDUSTRY ASSN [<mailto:papayas@aloha.net>]  
Sent: Thursday, March 17, 2016 12:06 PM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

TESTIMONY ON HB 2596  
RELATING TO THE MACADAMIA FELTID COCCID

Aloha Chair Wakai and Gabbard; Vice Chair Slom and Nishimoto, and Members of the Committees:

I strongly support HB 2596, which appropriates funds to the Hawaii Department of Agriculture to research and develop methods for the prevention and treatment of macadamia felted coccid.

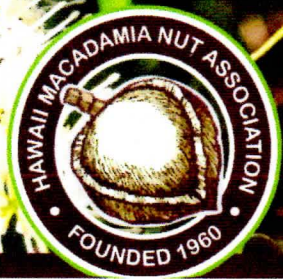
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The macadamia felted coccid (MFC) threatens the entire macadamia nut industry in Hawaii by causing severe tree dieback and then death. If not controlled, we believe the MFC will spread and could devastate Hawaii's macadamia nut industry. We have seen what the coffee berry borer has done to the local coffee industry and we know that we can't afford to wait.

Thank you for the opportunity to comment on this Bill.

HI PAPAYA INDUSTRY ASSN

Hilo, HI



# HAWAII MACADAMIA NUT ASSOCIATION

March 17, 2015

Joint hearing before the Senate Committee on Economic Development, Environment, & Technology and the Senate Committee on Water, Land, and Agriculture.

TESIMONY IN STRONG SUPPORT OF HB 2596 relating to the Macadamia Felted Coccid.

Dear Chairs Wakai & Gabbard, Vice Chairs Slom and Nishimoto and the members of the joint Committees:

My name is John C. Cross and I am the current President of the Hawaii Macadamia Nut Association and represent the interests of the Board and Membership of the Association. The HMNA represents hundreds of orchard farmers and Processor members. All of the major growers and every processor in the State are active in our organization. Our members grow some 18,000 acres of trees and harvest over 50 million pounds of nuts per year. The farm gate value of the macadamia growers exceeds \$35 million each year. Our processor members produce over 15 million pounds of salable macadamia kernel.

The Hawaiian Macadamia Nut is almost synonymous with Hawaii, Kona Coffee, and Aloha. Visitors to the islands enjoy macadamia nuts as a "Taste of the Islands" and take home boxes of nut products and the memories of their time in Hawaii.

Regarding the Macadamia Felted Coccid,(MFC), this insect has had a devastating effect on much of our orchards. Past funding from the State has helped significantly in the research and control efforts, I would like to Thank You, the Senators and Representatives of the State Legislature, the State Department of Agriculture and the University of Hawaii, CTAHR for this work. I will tell you with conviction, it was money well spent! You have helped the industry and our fight against this invasive pest.

Yet, more work is needed and HB 2596 will assure that HDOA and CTAHR have the tools to complete the task. We understand that there is a biological predator wasp in Australia that is "obligate" to predation on the MFC. That is it only feeds on the MFC, nothing else. We hope the funding through HB 2596 can assist the HDOA in researching this insect and verifying its beneficial effect.

HB 2596 is needed to support our industry beyond just the MFC work and we hope that Section 2 and Section 3-(1) and (2) are included and funded as the House Committees recommended.

I humbling ask that your Senate Committees pass this bill.

Thank you for allowing me the time to testify. Although I am not physically present, my representative for the HMNA, Mr. Eli Isele, can answer any questions you should have.

Sincerely,

John C. Cross  
President





Testimony of Royal Hawaiian Orchards  
In Support of HB2596, Relating to the Macadamia Felted Coccid Bill

2/29/16

To whom it may concern,

I am testifying IN SUPPORT of HB2596, which funds further research into the Macadamia Felted Coccid and also funds an extension agent to specifically research Macadamia.

Research of MFC that was funded to date has seen some success, but is not complete. To see the research completed and an integrated pest management program developed to sustainably control MFC, more funding is required. Since MFC is not native to Hawaii, is thriving in the favorable climate of Hawaii, and is not regulated by specialized predators or parasites, much of the research to date has been focused on understanding the insect lifecycle in Hawaii and what beneficial insects may control the MFC. This information will lead to the development of effective timing and methods for control.

While Macadamia Felted Coccid is the most serious threat to Macadamia in Hawaii, the crop has other underlying issues that also need attention. These include nutritional care for aging orchards, successful replanting, disease resistant variety development, and finding solutions to labor shortages. In order to ensure the success of the industry in the future, these issues will also need to be addressed. An extension agent focused on Macadamia would be a step in the right direction towards improvement and persistence of the industry.

Mahalo,

Bonnie Self  
Director of Special Projects  
Royal Hawaiian Orchards, L.P.



Royal Hawaiian Orchards  
688 Kinoole St. Suite 121, Hilo, HI 96720 (808) 928-3041

Testimony of Eli Isele  
Director of Research

Before the Senate Committee on Economic Development, Environment, and Technology  
And  
Before the Senate Committee on Water, Land, and Agriculture

March 18, 2016  
1:45 P.M.  
Conference Room 414

House Bill No. 2596 - RELATING TO THE MACADAMIA FELTED COCCID

Royal Hawaiian Orchards (RHO) is a grower of Macadamia nuts on the Big Island of Hawaii and **supports H.B. 2596**. RHO manages over 5000 acres of productive macadamia orchards in Keaau and Pahala and is dealing with past damage and current threats from Macadamia Felted Coccid (MFC). The threat to the macadamia orchards in Pahala from MFC is real and potentially devastating. Without the state's support to research MFC, RHO and many other growers may suffer irreparable damages.

Specifically, each of the research points laid out in HB2596 would be helpful in determining the strategy of RHO to counter this pest. For example point number 4 states: "Determining action thresholds for Macadamia Felted Coccid", once thresholds are established, then with confidence, we will know that we are treating for the MFC at the most appropriate time to maintain orchard health. Currently we are working with the little data that we and the university have collected and hope to further collect data this year and be able to analyze it to help us make the best decisions. With a well-funded and wide reaching research program, beyond what one company can do in one location, macadamia farmers can have action thresholds that are proven by the University of Hawaii. This point number 4 is only one step of many to get a problem that could be potentially devastating to the Hawaiian macadamia nut industry, under control.

We are grateful to the research that University of Hawaii is currently conducting on MFC and would like to see it expanded and carried further into the future to solve or control this dangerous pest. RHO has, is, and will continue to support research of macadamia felted coccid. Royal Hawaiian orchards **supports H.B. 2596** and is grateful that the Hawaii State Legislature is working to take care of its macadamia farmers.

Thank you for the opportunity to testify in this important manner.

**COMMITTEE ON AGRICULTURE**  
**March 16, 2016**  
**HB 2596**

Aloha Chairs, Vice Chairs and Committee Members

My name is Randy Mochizuki and I am the Crop Control Superintendent at the Royal Hawaiian Orchard in Pahala, HI. **I strongly support this bill to fund a way to protect macadamia nut farmers from a devastating invasive pest.**

The coccids were first found in our orchard in 2009 damaging a few trees. It has since spread throughout our 3,300 acres. They have destroyed or damaged a substantial number of trees and continues to do so. I don't believe the Hawaiian macadamia industry has ever seen such a devastating pest.

Due to the size of our trees; oil sprays which can control the pest in orchards with smaller trees, are ineffective because of inadequate coverage. We have experimented with several different sprayers and numerous chemicals. We have even tried aerial insecticide application by helicopter. All have proven inadequate to control the coccids in our orchard.

Other orchards in Kau and along the Hamakua coast are also being damaged by the coccids and have been unable to find effective means of control.

It also has the potential of destroying other macadamia orchards in the state affecting 1,800 acres and a 40 million dollar industry.

Thanks to funding from the State and two macadamia nut companies, some of the research mentioned in this bill has started by the University of Hawaii and the Hawaii DOA. But more funding is required to continue the much needed work.

Please help us by supporting this bill.

Thank you for your consideration of my comments.

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:51:08 PM

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-----Original Message-----

From: Alan Gottlieb [<mailto:gottlieb@hawaii.rr.com>]  
Sent: Thursday, March 17, 2016 9:30 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

TESTIMONY ON HB 2596  
RELATING TO THE MACADAMIA FELTID COCCID

Aloha Chair Wakai and Gabbard; Vice Chair Slom and Nishimoto, and Members of the Committees:

I strongly support HB 2596, which appropriates funds to the Hawaii Department of Agriculture to research and develop methods for the prevention and treatment of macadamia felted coccid.

Hawai'i is the 3rd largest producer of macadamia nuts in the world (570 farms, operating on 17,000 acres),

The macadamia felted coccid (MFC) threatens the entire macadamia nut industry in Hawaii by causing severe tree dieback and then death. If not controlled, we believe the MFC will spread and could devastate Hawaii's macadamia nut industry. We have seen what the coffee berry borer has done to the local coffee industry and we know that we can't afford to wait.

Thank you for the opportunity to comment on this Bill.

Alan Gottlieb

Kamuela, HI

March 15, 2016

Re: House Bill No. 2596 Relating to the macadamia felted coccid

Dear Members of the WLA/EET committees,

My name is Alyssa Cho and I am providing testimony as an individual only. I am currently employed as an assistant researcher for UH CTAHR in sustainable farming systems research with an emphasis in tropical fruit and nut production. I am providing personal testimony in support of HB2596 provided that its passage does not replace or adversely impact priorities as indicated in the University's Board of Regents Approved Executive Budget. One of the crops I work closely with is macadamia nut, and I am very aware of the pest under consideration in this bill, macadamia felted coccid (MFC). Macadamia is an economically important crop to the state of Hawaii, and competitive research funding on a national scale is not usually favorable to funding Hawaii-specific issues, such as is the case with MFC.

Macadamia felted coccid is difficult to notice with the naked eye until it is heavily infested in a tree. Severe infestations can cause the trees to die back and likely affect yield and quality, although this has not been established scientifically in Hawaii. Furthermore, it appears that one of the most commonly planted varieties of macadamia is especially susceptible to this insect pest. The damage to orchards hasn't been quantified in economic terms, and needs to be done.

The macadamia nut industry is a trademark of Hawaii's ability to be innovative and on the front of a new industry. Despite global competition, Hawaii grown macadamia nuts are recognized as being high quality, and the value added products created from those nuts can garner high prices by locals, tourists and in off-island markets. The macadamia nut industry starts with the production of the nuts on farms, but continues to provide economic value as those nuts move through the value added chain, providing jobs, tourism, and supporting our local economy.

The macadamia nut industry needs your support in addressing issues related to MFC through research. Research can help farmers in deciding how to apply pesticides in a sustainable manner how to use integrated pest management techniques to manage this pest. Research will also help to identify economic thresholds of MFC and help farmers make management decisions.

I hope you will support this bill and help to support a vital agricultural industry in Hawaii-macadamia nut.

Thank you for your time,  
Alyssa Cho  
Hilo, Hawaii Resident

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:51:34 PM

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-----Original Message-----

From: Ayja Welch [<mailto:Ayja.welch@gmail.com>]  
Sent: Thursday, March 17, 2016 9:48 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

TESTIMONY ON HB 2596  
RELATING TO THE MACADAMIA FELTID COCCID

Aloha Chair Wakai and Gabbard; Vice Chair Slom and Nishimoto, and Members of the Committees:

I strongly support HB 2596, which appropriates funds to the Hawaii Department of Agriculture to research and develop methods for the prevention and treatment of macadamia felted coccid.

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The macadamia felted coccid (MFC) threatens the entire macadamia nut industry in Hawaii by causing severe tree dieback and then death. If not controlled, we believe the MFC will spread and could devastate Hawaii's macadamia nut industry. We have seen what the coffee berry borer has done to the local coffee industry and we know that we can't afford to wait.

Thank you for the opportunity to comment on this Bill.

Ayja Welch

Kapolei, HI

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:52:15 PM

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-----Original Message-----

From: Blake Rabe [<mailto:blake.rabe@monsanto.com>]  
Sent: Thursday, March 17, 2016 10:51 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

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Thank you for the opportunity to comment on this Bill.

Blake Rabe

Kaunakakai, HI

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:52:40 PM

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-----Original Message-----

From: Bonnie Self [<mailto:Bself@rhomac.com>]  
Sent: Thursday, March 17, 2016 11:50 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

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Thank you for the opportunity to comment on this Bill.

Bonnie Self

Hilo, HI



**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:51:30 PM

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-----Original Message-----

From: Bruce Heckman [<mailto:bruce.heckman@basf.com>]  
Sent: Thursday, March 17, 2016 9:44 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

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Thank you for the opportunity to comment on this Bill.

Bruce Heckman

Waimea, HI

March 18, 2016

HEARING BEFORE THE  
HOUSE COMMITTEES on EET/WLA

TESTIMONY ON HB 2596  
Relating to the Macadamia Felted Coccid

ROOM 414

1:45 PM

Dear Senator Wakai, Senator Slom, Senator Gabbard, and Senator Nishihara,

I strongly support HB 2596, which appropriates funds to the Department of Agriculture to research and develop methods for the prevention and treatment of macadamia felted coccid.

This bill will enable further research benefiting the Macadamia industries battle with the Macadamia Felted Coccid. The Macadamia industry on the Big Island has never seen a pest so virulent and devastating. If a successful pest management strategy isn't devised 18,000 acres of Macadamia orchards are at risk.

HB 507 will help find a solution to a problem that is threatening a \$35,000,000-38,000,000 industry.

Please support HB 2596.

Thank you,

Chris

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:51:53 PM

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-----Original Message-----

From: David Stoltzfus [<mailto:stoltzfus74@yahoo.com>]  
Sent: Thursday, March 17, 2016 10:14 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

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Thank you for the opportunity to comment on this Bill.

David Stoltzfus

Kihei, HI

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:51:19 PM

---

-----Original Message-----

From: Dawn Bicoy [<mailto:dawn@molokaivoice.com>]  
Sent: Thursday, March 17, 2016 9:34 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

TESTIMONY ON HB 2596  
RELATING TO THE MACADAMIA FELTID COCCID

Aloha Chair Wakai and Gabbard; Vice Chair Slom and Nishimoto, and Members of the Committees:

I strongly support HB 2596, which appropriates funds to the Hawaii Department of Agriculture to research and develop methods for the prevention and treatment of macadamia felted coccid.

Hawai'i is the 3rd largest producer of macadamia nuts in the world (570 farms, operating on 17,000 acres),

The macadamia felted coccid (MFC) threatens the entire macadamia nut industry in Hawaii by causing severe tree dieback and then death. If not controlled, we believe the MFC will spread and could devastate Hawaii's macadamia nut industry. We have seen what the coffee berry borer has done to the local coffee industry and we know that we can't afford to wait.

Thank you for the opportunity to comment on this Bill.

Dawn Bicoy

Maunaloa, HI

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:50:58 PM

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-----Original Message-----

From: Dee Brock [<mailto:brock002@hawaii.rr.com>]  
Sent: Thursday, March 17, 2016 9:21 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

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Thank you for the opportunity to comment on this Bill.

Dee Brock

Mililani, HI

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:53:40 PM

---

-----Original Message-----

From: Deo Rhoden [<mailto:deo.rhoden@gmail.com>]  
Sent: Thursday, March 17, 2016 1:11 PM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

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Thank you for the opportunity to comment on this Bill.

Deo Rhoden

Wahiawa, HI

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:51:42 PM

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-----Original Message-----

From: Derrick Thielk [<mailto:derrick.k.thielk@monsanto.com>]  
Sent: Thursday, March 17, 2016 9:49 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

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Thank you for the opportunity to comment on this Bill.

Derrick Thielk

Kaunakakai, HI

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:50:39 PM

---

-----Original Message-----

From: Diana McClure [<mailto:Dirathbun2@aol.com>]  
Sent: Thursday, March 17, 2016 8:20 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

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Thank you for the opportunity to comment on this Bill.

Diana McClure

Kahului, HI



**From:** [mailinglist@capitol.hawaii.gov](mailto:mailinglist@capitol.hawaii.gov)  
**To:** [WLA Testimony](#)  
**Cc:** [dylanarm@hawaii.edu](mailto:dylanarm@hawaii.edu)  
**Subject:** \*Submitted testimony for HB2596 on Mar 18, 2016 13:45PM\*  
**Date:** Tuesday, March 15, 2016 7:15:04 AM

---

**HB2596**

Submitted on: 3/15/2016

Testimony for WLA/EET on Mar 18, 2016 13:45PM in Conference Room 414

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Dylan Armstrong	Individual	Support	No

Comments:

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

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**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:54:22 PM

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-----Original Message-----

From: GLENN TOYAMA [<mailto:hawaflowgrdnflow@iglide.net>]  
Sent: Thursday, March 17, 2016 1:39 PM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

TESTIMONY ON HB 2596  
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Thank you for the opportunity to comment on this Bill.

GLENN TOYAMA

MOUNTAIN VIEW, HI

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:54:32 PM

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-----Original Message-----

From: Helena Orris [<mailto:helenaorris@me.com>]  
Sent: Thursday, March 17, 2016 1:42 PM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

TESTIMONY ON HB 2596  
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Thank you for the opportunity to comment on this Bill.

Helena Orris

Mililani, HI

**From:** [mailinglist@capitol.hawaii.gov](mailto:mailinglist@capitol.hawaii.gov)  
**To:** [WLA Testimony](#)  
**Cc:** [ashman.janet@gmail.com](mailto:ashman.janet@gmail.com)  
**Subject:** Submitted testimony for HB2596 on Mar 18, 2016 13:45PM  
**Date:** Thursday, March 17, 2016 7:42:49 PM

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**HB2596**

Submitted on: 3/17/2016

Testimony for WLA/EET on Mar 18, 2016 13:45PM in Conference Room 414

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

Comments: Please vote to pass this bill to support the macadamia nut industry that has fallen victim to the devastating Feltid Coccid scourge. Without the necessary funding for research, we could lose this sector of our agricultural economy. Thank you.

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

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**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:53:08 PM

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-----Original Message-----

From: Jessica Murison [<mailto:jkmuri@monsanto.com>]  
Sent: Thursday, March 17, 2016 12:40 PM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

TESTIMONY ON HB 2596  
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Thank you for the opportunity to comment on this Bill.

Jessica Murison

Honolulu, HI

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:52:34 PM

---

-----Original Message-----

From: Joan Lasua [<mailto:joanlasua@gmail.com>]  
Sent: Thursday, March 17, 2016 11:31 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

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Thank you for the opportunity to comment on this Bill.

Joan Lasua

Kaunakakai, HI

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:53:32 PM

---

-----Original Message-----

From: Joni Kamiya [<mailto:JoniKamiya@gmail.com>]  
Sent: Thursday, March 17, 2016 12:54 PM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

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Thank you for the opportunity to comment on this Bill.

Joni Kamiya

Kaneohe, HI

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:51:47 PM

---

-----Original Message-----

From: Joseph Silva [<mailto:joey.silva@cpsagu.com>]  
Sent: Thursday, March 17, 2016 10:09 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

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Thank you for the opportunity to comment on this Bill.

Joseph Silva

Lihue, HI



**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:52:09 PM

---

-----Original Message-----

From: Josh Hunziker [<mailto:jhummy@gmail.com>]  
Sent: Thursday, March 17, 2016 10:30 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

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Thank you for the opportunity to comment on this Bill.

Josh Hunziker

Kaunakakai, HI

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 2:00:43 PM

---

-----Original Message-----

From: Kenneth Kaneshiro [<mailto:kaneshirk001@hawaii.rr.com>]  
Sent: Thursday, March 17, 2016 1:59 PM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

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Thank you for the opportunity to comment on this Bill.

Kenneth Kaneshiro

Honokaa, HI

**From:** [mailinglist@capitol.hawaii.gov](mailto:mailinglist@capitol.hawaii.gov)  
**To:** [WLA Testimony](#)  
**Cc:** [kevinjmulkern@gmail.com](mailto:kevinjmulkern@gmail.com)  
**Subject:** \*Submitted testimony for HB2596 on Mar 18, 2016 13:45PM\*  
**Date:** Thursday, March 17, 2016 10:18:23 AM

---

**HB2596**

Submitted on: 3/17/2016

Testimony for WLA/EET on Mar 18, 2016 13:45PM in Conference Room 414

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Kevin Mulhern	Individual	Support	No

Comments:

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

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**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:51:25 PM

---

-----Original Message-----

From: Kylie Matsuda-Lum [<mailto:kylie@kahukufarms.com>]  
Sent: Thursday, March 17, 2016 9:34 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

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Thank you for the opportunity to comment on this Bill.

Kylie Matsuda-Lum

Kahuku, HI

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:52:49 PM

---

-----Original Message-----

From: Lawrence Lasua [<mailto:lawrence@molokaicommunityfcu.com>]  
Sent: Thursday, March 17, 2016 11:59 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

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Thank you for the opportunity to comment on this Bill.

Lawrence Lasua

Kaunakakai, HI

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:50:53 PM

---

-----Original Message-----

From: Lesley Hill [<mailto:wag@waileaa.com>]  
Sent: Thursday, March 17, 2016 9:17 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

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Thank you for the opportunity to comment on this Bill.

Lesley Hill

Honolulu, HI

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:49:57 PM

---

-----Original Message-----

From: Lorie Farrell [<mailto:lorie.farrell@gmail.com>]  
Sent: Wednesday, March 16, 2016 6:01 PM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

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Thank you for the opportunity to comment on this Bill.

Lorie Farrell

Honokaa, HI

HB 2596, Relating to the macadamia felted coccid:

Chair, Vice Chair, and members of the WLA/EET, I thank you for this opportunity to provide my personal testimony in support of HB 2596, Relating to macadamia felted coccid. I strongly support this bill provided that its passage does not replace or adversely impact priorities as indicated in the University's Board of Regents Approved Executive Biennium Budget.

Macadamia felted coccid is the most serious pest of macadamia nuts cultivated in Hawaii. This insect is capable of killing trees, and can have a dramatic impact on yields if left unchecked. While biological control options and insecticide treatments are effective under certain circumstances, there are many situations where the impacts of both are reduced. Research is being conducted to address improvement of biological and chemical control of this pest under all growing conditions; the exact origin (as potential sources of new biological control agents); interactions with macadamia felted coccids with pathogens of macadamia nut trees; and natural resistance to macadamia felted coccid in macadamia varieties are being investigated as well. We have shown significant progress in research during the past year. Further research is required to implement new procedures for macadamia felted coccid, specifically the development of economic injury levels for different varieties, classical biological control, and the effect of tree health on susceptibility to macadamia felted coccid.

My name is Mark G Wright. I am a professor of entomology and an entomology extension specialist at UH Manoa. However, today, I am providing personal testimony.  
March 17, 2016.



**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:51:15 PM

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-----Original Message-----

From: Paul Kaneshiro [<mailto:paulkaneshirosr@yahoo.com>]  
Sent: Thursday, March 17, 2016 9:31 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

TESTIMONY ON HB 2596  
RELATING TO THE MACADAMIA FELTID COCCID

Aloha Chair Wakai and Gabbard; Vice Chair Slom and Nishimoto, and Members of the Committees:

I strongly support HB 2596, which appropriates funds to the Hawaii Department of Agriculture to research and develop methods for the prevention and treatment of macadamia felted coccid.

Hawai'i is the 3rd largest producer of macadamia nuts in the world (570 farms, operating on 17,000 acres),

The macadamia felted coccid (MFC) threatens the entire macadamia nut industry in Hawaii by causing severe tree dieback and then death. If not controlled, we believe the MFC will spread and could devastate Hawaii's macadamia nut industry. We have seen what the coffee berry borer has done to the local coffee industry and we know that we can't afford to wait.

Thank you for the opportunity to comment on this Bill.

Paul Kaneshiro

Waimanalo, HI

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:50:43 PM

---

-----Original Message-----

From: Raymond Foster [<mailto:ray.foster@monsanto.com>]  
Sent: Thursday, March 17, 2016 9:12 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

TESTIMONY ON HB 2596  
RELATING TO THE MACADAMIA FELTID COCCID

Aloha Chair Wakai and Gabbard; Vice Chair Slom and Nishimoto, and Members of the Committees:

I represent the Molokai Farm Bureau membership and we strongly support HB 2596, which appropriates funds to the Hawaii Department of Agriculture to research and develop methods for the prevention and treatment of macadamia felted coccid.

Hawai'i is the 3rd largest producer of macadamia nuts in the world (570 farms, operating on 17,000 acres),

The macadamia felted coccid (MFC) threatens the entire macadamia nut industry in Hawaii by causing severe tree dieback and then death. If not controlled, we believe the MFC will spread and could devastate Hawaii's macadamia nut industry. We have seen what the coffee berry borer has done to the local coffee industry and we know that we can't afford to wait.

Thank you for the opportunity to comment on this Bill.

Raymond Foster

Kualapuu, HI

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:50:04 PM

---

-----Original Message-----

From: Renee Kester [<mailto:rkester1@gmail.com>]  
Sent: Thursday, March 17, 2016 7:54 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

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Thank you for the opportunity to comment on this Bill.

Renee Kester

Kaunakakai, HI

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:50:27 PM

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-----Original Message-----

From: Rhonda Stoltzfus [<mailto:Stoltzfus34@yahoo.com>]  
Sent: Thursday, March 17, 2016 8:03 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

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Thank you for the opportunity to comment on this Bill.

Rhonda Stoltzfus

Kihei, HI

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 3:16:22 PM

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-----Original Message-----

From: Richard Hartmann [<mailto:r.hartmann@bi-encorp.com>]  
Sent: Thursday, March 17, 2016 3:16 PM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

TESTIMONY ON HB 2596  
RELATING TO THE MACADAMIA FELTID COCCID

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Thank you for the opportunity to comment on this Bill.

Richard Hartmann

Portland, OR

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:50:33 PM

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-----Original Message-----

From: Robert Gandia [<mailto:bitos1@yahoo.com>]  
Sent: Thursday, March 17, 2016 8:06 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

TESTIMONY ON HB 2596  
RELATING TO THE MACADAMIA FELTID COCCID

Aloha Chair Wakai and Gabbard; Vice Chair Slom and Nishimoto, and Members of the Committees:

I strongly support HB 2596, which appropriates funds to the Hawaii Department of Agriculture to research and develop methods for the prevention and treatment of macadamia felted coccid.

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Thank you for the opportunity to comment on this Bill.

Robert Gandia

Kekaha, HI

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:53:12 PM

---

-----Original Message-----

From: Robert Paull [<mailto:Robert.Paull@hawaii.rr.com>]  
Sent: Thursday, March 17, 2016 12:46 PM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

TESTIMONY ON HB 2596  
RELATING TO THE MACADAMIA FELTID COCCID

Aloha Chair Wakai and Gabbard; Vice Chair Slom and Nishimoto, and Members of the Committees:

I strongly support HB 2596, which appropriates funds to the Hawaii Department of Agriculture to research and develop methods for the prevention and treatment of macadamia felted coccid.

Thank you for the opportunity to comment on this Bill.

Robert Paull

Honolulu, HI

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:54:14 PM

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-----Original Message-----

From: Robyn Kato [<mailto:katokrew@gmail.com>]  
Sent: Thursday, March 17, 2016 1:38 PM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

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Thank you for the opportunity to comment on this Bill.

Robyn Kato

Ewa Beach, HI



**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:52:03 PM

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-----Original Message-----

From: Ryan Oyama [<mailto:royama@post.harvard.edu>]  
Sent: Thursday, March 17, 2016 10:21 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

TESTIMONY ON HB 2596  
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Thank you for the opportunity to comment on this Bill.

Ryan Oyama

Kalaheo, HI

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:50:11 PM

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-----Original Message-----

From: Sarah Styan [<mailto:Sarah.styan@hawaiiintel.net>]  
Sent: Thursday, March 17, 2016 7:59 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

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Thank you for the opportunity to comment on this Bill.

Sarah Styan

Hanapepe, HI

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:52:20 PM

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-----Original Message-----

From: Sarah Nakasone [<mailto:snakasone3@gmail.com>]  
Sent: Thursday, March 17, 2016 10:53 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

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Thank you for the opportunity to comment on this Bill.

Sarah Nakasone

Kapolei, HI

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 2:35:20 PM

---

-----Original Message-----

From: Stacie Sasagawa [<mailto:ssasagawa@hawaii.rr.com>]  
Sent: Thursday, March 17, 2016 2:27 PM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

TESTIMONY ON HB 2596  
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Thank you for the opportunity to comment on this Bill.

Stacie Sasagawa

Ewa Beach, HI

**From:** [mailinglist@capitol.hawaii.gov](mailto:mailinglist@capitol.hawaii.gov)  
**To:** [WLA Testimony](#)  
**Cc:** [susan.mulkern@gmail.com](mailto:susan.mulkern@gmail.com)  
**Subject:** \*Submitted testimony for HB2596 on Mar 18, 2016 13:45PM\*  
**Date:** Thursday, March 17, 2016 10:15:35 AM

---

**HB2596**

Submitted on: 3/17/2016

Testimony for WLA/EET on Mar 18, 2016 13:45PM in Conference Room 414

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Susan Shaheen Mulkern	Individual	Support	No

Comments:

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

Do not reply to this email. This inbox is not monitored. For assistance please email [webmaster@capitol.hawaii.gov](mailto:webmaster@capitol.hawaii.gov)

**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:50:48 PM

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-----Original Message-----

From: Tom Shigemoto [<mailto:tshigemoto@abprop.com>]  
Sent: Thursday, March 17, 2016 9:15 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
ENVIRONMENT, & TECHNOLOGY and COMMITTEE ON WATER, LAND, AND AGRICULTURE

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Thank you for the opportunity to comment on this Bill.

Tom Shigemoto

Lihue, ID

**From:** [mailinglist@capitol.hawaii.gov](mailto:mailinglist@capitol.hawaii.gov)  
**To:** [WLA Testimony](#)  
**Cc:** [tgoodwin@rhomac.com](mailto:tgoodwin@rhomac.com)  
**Subject:** \*Submitted testimony for HB2596 on Mar 18, 2016 13:45PM\*  
**Date:** Thursday, March 17, 2016 8:10:30 AM

---

**HB2596**

Submitted on: 3/17/2016

Testimony for WLA/EET on Mar 18, 2016 13:45PM in Conference Room 414

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Travis K. Goodwin	Individual	Support	No

Comments:

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

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**From:** [mailinglist@capitol.hawaii.gov](mailto:mailinglist@capitol.hawaii.gov)  
**To:** [WLA Testimony](#)  
**Cc:** [vctoribio@rhomac.com](mailto:vctoribio@rhomac.com)  
**Subject:** \*Submitted testimony for HB2596 on Mar 18, 2016 13:45PM\*  
**Date:** Tuesday, March 15, 2016 4:27:30 PM

---

**HB2596**

Submitted on: 3/15/2016

Testimony for WLA/EET on Mar 18, 2016 13:45PM in Conference Room 414

<b>Submitted By</b>	<b>Organization</b>	<b>Testifier Position</b>	<b>Present at Hearing</b>
Volanda Collins-Toribio	Individual	Support	No

Comments:

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

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**From:** [EET Testimony](#)  
**To:** [WLA Testimony](#)  
**Subject:** FW: Strongly Support HB 2596  
**Date:** Thursday, March 17, 2016 1:52:24 PM

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-----Original Message-----

From: Walter Parada [<mailto:walter.m.parada@monsanto.com>]  
Sent: Thursday, March 17, 2016 11:04 AM  
To: EET Testimony  
Subject: Strongly Support HB 2596

JOINT HEARING BEFORE THE SENATE COMMITTEE ON ECONOMIC DEVELOPMENT,  
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Thank you for the opportunity to comment on this Bill.

Walter Parada

Kaunakakai, HI