

SB 2563

SD-1

**RELATING TO
AGRICULTURE**

A BILL FOR AN ACT

RELATING TO AGRICULTURE.

BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF HAWAII:

1 SECTION 1. The purpose of this Act is to continue the work
2 of the agriculture workforce development pipeline initiative to
3 conduct training on all islands for teachers and school
4 administrators, and students in agricultural self-sufficiency.

5 SECTION 2. There is appropriated out of the general
6 revenues of the State of Hawaii the sum of \$ or so much
7 thereof as may be necessary for fiscal year 2018-2019 for the
8 operations of the K-12 agriculture workforce development
9 pipeline initiative.

10 The sum appropriated shall be expended by the department of
11 labor and industrial relations for the purposes of this Act.

12 SECTION 3. This Act shall take effect on July 1, 2050.



Report Title:

Agriculture; K-12 Agriculture Workforce Development Pipeline Initiative; Appropriation

Description:

Appropriates funds to the department of labor and industrial relations for the K-12 agriculture workforce development pipeline initiative. Effective 7/1/2050. (SD1)

The summary description of legislation appearing on this page is for informational purposes only and is not legislation or evidence of legislative intent.



SB 2563

SD-1

TESTIMONY

DAVID Y. IGE
Governor

DOUGLAS S. CHIN
Lt. Governor



SCOTT E. ENRIGHT
Chairperson, Board of Agriculture

PHYLLIS SHIMABUKURO-GEISER
Deputy to the Chairperson

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

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

BEFORE THE HOUSE COMMITTEE ON LABOR & PUBLIC EMPLOYMENT

**MARCH 13, 2018
10:30 A.M.
CONFERENCE ROOM 309**

**SENATE BILL NO. 2563 SD1
RELATING TO AGRICULTURE**

Chairperson Johanson and Members of the Committee:

Thank you for the opportunity to testify on Senate Bill No. 2563 SD1. This bill provides funding for the continued work of the K-12 agriculture workforce development pipeline initiative in the Department of Labor and Industrial Relations (DLIR) to conduct trainings for teachers and school administrators in agricultural self-sufficiency on all islands. The Department supports this bill but would defer to the DLIR.

The Department participated in the Agriculture Workforce Advisory Board that was created by Act 99, Session Laws of Hawaii 2013. Along with the DLIR, Department of Education, University of Hawaii, Hawaii Farm Bureau Federation, and a representative from the farming community, discussions were held to find ways to increase our current agricultural workforce. Recent numbers from the 2012 US Agricultural Census has found the average age of farmers in Hawaii is over 63 years old. It is the Department's goal to reverse this trend and we look forward to continued collaboration with our brother and sister agencies and the public to achieve this goal.

Thank you for the opportunity to present testimony.





STATE OF HAWAII
DEPARTMENT OF EDUCATION
P.O. BOX 2360
HONOLULU, HAWAII 96804

Date: 03/13/2018
Time: 10:30 AM
Location: 309
Committee: House Labor & Public
Employment

Department: Education

Person Testifying: Dr. Christina M. Kishimoto, Superintendent of Education

Title of Bill: SB 2563, SD1 RELATING TO AGRICULTURE.

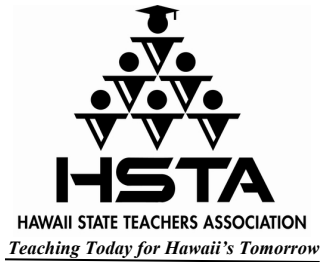
Purpose of Bill: Appropriates funds to the department of labor and industrial relations for the K-12 agriculture workforce development pipeline initiative. Effective 7/1/2050. (SD1)

Department's Position:

The Department of Education supports SB 2563 SD1 to continue the work of the K-12 agriculture workforce development pipeline initiative to conduct training for teachers and school administrators in agricultural self-sufficiency, but defers to the Department of Labor and Industrial Relations for any administrative or budgetary implementation concerns.

Thank you for this opportunity to testify on this measure.

The Hawaii State Department of Education seeks to advance the goals of the Strategic Plan which is focused on student success, staff success, and successful systems of support. This is achieved through targeted work around three impact strategies: school design, student voice, and teacher collaboration. Detailed information is available at www.hawaiipublicschools.org.



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Corey Rosenlee
President
Justin Hughey
Vice President
Amy Perruso
Secretary-Treasurer
Wilbert Holck
Executive Director

TESTIMONY BEFORE THE HOUSE COMMITTEE ON
LABOR & PUBLIC EMPLOYMENT

RE: SB 2563 SD1 - RELATING TO AGRICULTURE.

TUESDAY, MARCH 13, 2018

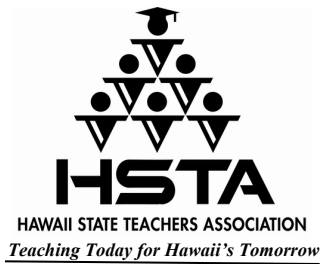
COREY ROSENLEE, PRESIDENT
HAWAII STATE TEACHERS ASSOCIATION

Chair Johanson and Members of the Committee:

The Hawaii State Teachers Association **supports SB 2563 SD1**, relating to agriculture.

We need to restore the balance in our public educational system in Hawaii. Hawaii's Career and Technical Education programs need to be expanded to provide greater opportunity to prepare young people to design their own futures. The purpose of this Act is to provide funding to continue the work of the agriculture workforce development pipeline initiative to conduct training on all islands for teachers and school administrators, and students in agricultural self-sufficiency. This act would help with the continuation of providing teachers in the DOE with training from experts in the agricultural field who would help them understand not only how the agriculture workforce needs have changed over time, but also how to incorporate sustainability in agriculture that is in high demand in Hawaii. According to the Hawaii Agriculture Skill Panel Report from the Workforce Development Council, the average age of Hawaii's commercial farmers is over 60 years old. Interest in agriculture is waning in our youth and this is worrisome to the industry and to the economy and self-sustainability of our state.

There is a common misconception that farming is a low-paying, low-skilled trade. Our youth need to understand that there are a variety of careers within the agricultural industry that need to be filled. They need more workers that are not only technical in nature, but also those who will help to solve the problems listed in the report such as developing new technology and developing ideas for innovation



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President

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Amy Perruso
Secretary-Treasurer

Wilbert Holck
Executive Director

that are critical components to the growth and expansion of the agricultural industry in Hawaii, especially in the areas of sustainability. The agricultural industry also needs workers in business, marketing, and management to refine and streamline production and distribution, along with workers to guide the industry in using sustainable practices, organic farming, soil building, and natural farming.

Passage of this bill would help provide funding to further the develop the agriculture pipeline that would help teachers acquire the knowledge they need regarding new technology and careers within agriculture and further developing agricultural career paths into their curriculum using school gardens, and farm to table programs with their students, among other sustainable practices.

Hawaii, like most states, is working toward the goal of getting their students 'college-and career-ready,' but CTE experts are concerned that what we mean by 'career-ready' is not always clear, and the supply of quality career-technical education programs has not kept pace with demand. Students must have several options available to them in order to explore a variety of career options, one of them being in agriculture. This bill supports these efforts.

According to a national study, *The Shocking Truth About The Skills Gap* (2015), only 25 percent of polled job seekers reported receiving career path in high school, and 41 percent said they wished they had received more guidance.

Because a robust education involves developing all aspects of learning for our ever-changing world including the changes in agriculture, the Hawaii State Teachers Association asks your committee to **support** this bill.



March 9, 2018

Representative Aaron Ling Johanson, Chair
Representative Daniel Holt, Vice Chair
House Committee on Labor and Public Employment

**Comments in Support of SB 2563, S.D. 1 Relating to Agriculture
(Appropriates Funds to the Department of Labor and Industrial Relations
for the K-12 Agriculture Workforce Development Pipeline Initiative).**

Tuesday, March 13, 2018, at 10:30 a.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 2563, S.D. 1** and of the various agricultural stakeholder groups who defend the goals of viable agricultural operations and the conservation and protection of agriculture, including important agricultural lands (IAL) in Hawaii. The bill conveys the need for collaboration amongst diverse sectors of the community - business, government, educational institutions, and agricultural stakeholders - and the importance for them to work together cooperatively to improve the economic viability of the State's agricultural industry.

SB 2563, S.D. 1. The purpose of this bill is to continue the work of the agriculture workforce development pipeline initiative (the "Initiative") to conduct training in agricultural self-sufficiency on all islands for teachers and school administrators, and students.

LURF's Position. LURF believes that the proposed appropriation of general revenues for the operations of the Initiative is consistent with the underlying intent and objectives of the IAL laws (Hawaii Revised Statutes [HRS], Sections 205-41 to 52), which were enacted to fulfill the mandate in Article XI, Section 3 of the Hawaii State Constitution, "to conserve and protect agricultural lands, promote diversified agriculture, increase agricultural self-sufficiency and assure the availability of agriculturally suitable lands." As noted in HRS Section 205-41, the intent of Act 183 (2005) was to develop agricultural incentive programs to promote agricultural viability, sustained growth of the

agricultural industry, and the long-term use and protection of important agricultural lands for agricultural use.

Passage of the long-awaited IAL legislation would be pointless without implementation of these programs, incentives and inducements which require the cooperation and support of agricultural, business, and educational organizations, as well as government agencies, which this bill is intended to cultivate and promote.

LURF members include private property owners, farmers and ranchers who own, maintain, and engage in agricultural enterprises, and who consider programs such as this Initiative significant to the continued conduct of their operations and to help sustain and preserve their businesses into the future. Regrettably, interest in agriculture continues to decline due to misguided assumptions of the trade as entailing hard work for low pay, and requiring little, if any appreciable skills.

LURF believes efforts like the Initiative and the appropriation of funds for its operation would greatly assist in the perpetuation of the agricultural industry in this State by identifying workforce needs; assisting the industry with training to help farmers and ranchers comply with onerous regulatory requirements; providing knowledge and inspiring interest in agriculture; as well as educating youth about the importance of increasing Hawaii's long-term resilience and sustainability.

As the establishment of the Initiative significantly helps to promote economically viable agriculture and food self-sufficiency in Hawaii, LURF is in **support of SB 2563, S.D. 1.**

Thank you for the opportunity to provide comments in support of this measure.

SB-2563-SD-1

Submitted on: 3/10/2018 4:11:44 PM

Testimony for LAB on 3/13/2018 10:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
irene plunkett	HFUU	Support	No

Comments:

I strongly support SB 2563. Thank you kindly.

Mahalo, Irene Plunkett

SB-2563-SD-1

Submitted on: 3/11/2018 9:59:29 AM

Testimony for LAB on 3/13/2018 10:30:00 AM

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

Comments:



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Phone: (808) 848-2074; Fax: (808) 848-1921
e-mail info@hfbf.org; www.hfbf.org

March 13, 2018

HEARING BEFORE THE
HOUSE COMMITTEE ON LABOR

TESTIMONY ON SB 2563, SD 1
RELATING TO AGRICULTURE

Room 309
10:30 AM

Aloha Chair Johanson, Vice Chair Holt, and Members of the Committee:

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 interests of our diverse agricultural community.

The Hawaii Farm Bureau supports SB 2563, SD 1, which appropriates funds to the department of labor and industrial relations for the K-12 agriculture workforce development pipeline initiative.

Hawaii's commercial farmers' average age is over 60 years. To maintain and expand production levels, it's clear that we need a new generation of farmers and ranchers equipped to assume the task of growing crops and livestock. This is critical to achieving Hawaii's goal of increased self-sufficiency and sustainability.

DLIR, under Director Takamine's and HDOA Chair Kokubun's leadership, undertook a series of facilitated meetings with farmers, ranchers, educators and a diverse group of stakeholders across the state between 2007 and 2011. Its report was published. This report: Hawaii Agriculture Skill Panel Report, made a number of recommendations, of which several common themes emerged. #1 of those themes is 'Increasing youth education and training'.

In 2013, the Hawaii State Legislature saw fit to establish the Agriculture Workforce Advisory Board via HB 749 of that year. This Board convenes, in part, to execute the recommendations of Hawaii Agriculture Skill Panel Report. This board established a program by which educators and school administrators can be exposed and incentivized to adopt existing broad-based agricultural curriculums. This is an important step toward the future of agriculture in Hawaii. The activities enabled by passage of this legislation will

continue to implement strategies yielding favorable outcomes for the state's economy, particularly the agricultural sector.

We ask for your support to continue funding the operations of the K-12 Agriculture Workforce Development Pipeline Initiative. Thank you for this opportunity to provide comments on this measure.

Thank you for this opportunity to provide our opinion on this important matter.



The National FFA Organization
6060 FFA Drive
Indianapolis, IN 46268

P 317-802-4347
F 317-802-5357
www.ffa.org

March 12, 2018

Chairperson Ling Johanson, Vice Chair Holt, and distinguished members of the Committee on Labor and Public Employment:

Thank you for the opportunity to provide testimony in support of SB2563. As the state relations specialist for Hawaii from the National FFA Organization, I'm pleased to see to see this bill advance through the state legislature and urge you to support it.

The National FFA Organization and The Council for Agriculture Education believe in the three-component model for the delivery of our content. This time-tested and academically-proven model requires investment above the normal school funding level in all 50 states and both US territories that offer FFA and agriculture education. Funding SB2563 is an excellent step forward in making it possible to offer all three components of agriculture education at a meaningful and impactful level in Hawaii schools.

I can easily confirm that Hawaii has some of the most knowledgeable and passionate agriculture teachers in the nation. The National FFA Organization wants to continue providing professional development for agriculture/natural resource teachers and leadership opportunities for Hawaii FFA members. We are committed to doing our part to continue our 85+ year relationship and we look forward to working with agriculture/natural resource education leaders in Hawaii to do the same. Funding of SB2563 is a key part of this continued success and relationship.

In closing, I thank you for considering this bill and its associated funding request. Offering high quality agriculture education does require state investment. Thankfully, I can assure you that Hawaii agriculture teachers are outstanding educators who will be good stewards of any portion of state funds their programs receive in enhancing student opportunities and developing 21st century leaders in the renewable food, fiber, and energy systems that our world depends on.

The National FFA Organization looks forward to continuing to support agriculture education and FFA in Hawaii and will continue to provide professional development for teachers and state staff as requested. Thank you for considering this important investment in agriculture/natural resource education at your state level.

Sincerely,

Ben Meyer

Western US Specialist

National FFA Organization

SB-2563-SD-1

Submitted on: 3/11/2018 11:52:43 AM

Testimony for LAB on 3/13/2018 10:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Jacqueline S. Ambrose	HFUU	Support	No

Comments:



PO Box 168, Kealahou, HI 96750
808-929-9550

COMMITTEE ON LABOR & PUBLIC EMPLOYMENT

Tuesday, March 13, 2018
10:30 AM
Conference Room 309

RE: Testimony in Support of SB 2563

Aloha Chair Johanson, Vice Chair Holt and members of the Committee,

I am Chris Manfredi, President of Hawaii Coffee Association.

The Hawaiian coffee industry is conservatively ranked by USDA as Hawaii's second highest-value crop. The Hawaii Coffee Association's (HCA) mission is to represent all sectors of the Hawaiian coffee industry, including growers, millers, wholesalers, roasters and retailers located throughout the State of Hawaii. The HCA's primary objective is to increase awareness and consumption of Hawaiian coffees. A major component of HCA's work is the continuing education of members and consumers.

The HCA supports SB 2563.

Having served on the Ag Labor Advisory Committee as administered by DLIR, I can say that the program has met with success and should be continued. The K-12 Agriculture Workforce Development Pipeline Initiative is helping to recruit and train the next generations of farmers and ranchers, however the needs of existing growers are immediate.

The coffee industry is currently experiencing a significant labor crisis. The need for harvest labor is at crisis levels. An indirect impact of the labor shortage is an explosion of Coffee Berry Borer populations. Unharvested cherries act as a reservoir for CBB. The beetles lie dormant while waiting to infest the subsequent crop.

At the 2017 Ag Leadership Conference I was honored to moderate a diverse panel comprised of local, state and federal lawmakers, various agencies and key industry stakeholders.

We identified two immediate needs:

1. Expanding the labor pool
2. Improving availability of affordable housing for laborers.

We also identified two demographic groups that could benefit while helping to alleviate the immediate pressure on agriculture.

These include:

1. The homeless population
2. At-risk veterans

Two resolutions have been introduced that would create a structure within which solutions can be found. They are SCR 145 and HCR 215. We respectfully ask you support them as well as SB 2563.

It will take strong public-private partnerships to solve the long-standing issues surrounding agricultural labor and leadership.

We thank you for your support of SB 2563!

SB-2563-SD-1

Submitted on: 3/12/2018 10:25:21 AM

Testimony for LAB on 3/13/2018 10:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Melodie Aduja	OCC Legislative Priorities Committee, Democratic Party of Hawai'i	Support	No

Comments:

SB-2563-SD-1

Submitted on: 3/11/2018 5:32:09 PM

Testimony for LAB on 3/13/2018 10:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Maureen Datta	Hawaii Farmers Union United Kona Chapter	Support	No

Comments:

SB-2563-SD-1

Submitted on: 3/11/2018 7:08:39 PM

Testimony for LAB on 3/13/2018 10:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Dale Sandlin	Hawaii Cattlemens Council	Support	Yes

Comments:

SB-2563-SD-1

Submitted on: 3/11/2018 7:14:52 PM

Testimony for LAB on 3/13/2018 10:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Kauai Trainer	Momilani Farm	Support	No

Comments:

Aloha,

I strongly support this initiative to create a school to farm workforce program. WE NEED MORE FARMERS. The average age of farmers is 61. Who is going to grow our food in the next decade? We need more support for supporting young farmers and also teaching young farmers restorative, regenerative, natural and organic farming methods. Too many farms are polluted with pesticides, herbicides and agrochemical fertilizers that kill soil. We need farmers who are soil stewards. Who not only farm food but farm soil; we need healthy soil so that our food is healthy. Please use the funds to create healthy farms, farmers and a rising generation of aloha 'Ä• ina warriors.

Mahalo!

SB-2563-SD-1

Submitted on: 3/11/2018 8:03:40 PM

Testimony for LAB on 3/13/2018 10:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
A Kathleen Lee	Individual	Support	No

Comments:

Aloha Honorable Senators,

We need to appropriate funds to the department of labor and industrial relations for the **K-12 agriculture workforce development pipeline initiative.**

Mahalo nui nui,

April Lee

Hawi, HI

SB-2563-SD-1

Submitted on: 3/12/2018 8:54:53 AM

Testimony for LAB on 3/13/2018 10:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Harriet Witt	Individual	Support	No

Comments:

This bill will help us to wean ourselves of our dangerous dependence on the mainland.
We need it!

SB-2563-SD-1

Submitted on: 3/12/2018 9:17:28 AM

Testimony for LAB on 3/13/2018 10:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Keith Ranney	Individual	Support	No

Comments:

SB-2563-SD-1

Submitted on: 3/11/2018 8:03:53 AM

Testimony for LAB on 3/13/2018 10:30:00 AM

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

Comments:

SB-2563-SD-1

Submitted on: 3/10/2018 4:47:18 PM

Testimony for LAB on 3/13/2018 10:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Thomas Craig	Individual	Support	No

Comments:

SB-2563-SD-1

Submitted on: 3/10/2018 3:35:39 PM

Testimony for LAB on 3/13/2018 10:30:00 AM

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

Comments:

SB-2563-SD-1

Submitted on: 3/10/2018 8:58:21 PM

Testimony for LAB on 3/13/2018 10:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Patrick Harley Simmons	Individual	Support	No

Comments:

SB-2563-SD-1

Submitted on: 3/10/2018 4:56:06 PM

Testimony for LAB on 3/13/2018 10:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Helmut Klauer	Individual	Support	No

Comments:

SB-2563-SD-1

Submitted on: 3/11/2018 9:45:10 AM

Testimony for LAB on 3/13/2018 10:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Timothy Johnson	Individual	Support	No

Comments:

SB-2563-SD-1

Submitted on: 3/10/2018 5:54:24 PM

Testimony for LAB on 3/13/2018 10:30:00 AM

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

Comments:

Strong need for this development

SB-2563-SD-1

Submitted on: 3/12/2018 9:32:43 AM

Testimony for LAB on 3/13/2018 10:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Donn DeShayne	Individual	Support	No

Comments:

SB-2563-SD-1

Submitted on: 3/10/2018 3:50:58 PM

Testimony for LAB on 3/13/2018 10:30:00 AM

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

Comments:

SB-2563-SD-1

Submitted on: 3/10/2018 3:18:08 PM

Testimony for LAB on 3/13/2018 10:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Tricia Morris	Individual	Support	No

Comments:

SB-2563-SD-1

Submitted on: 3/10/2018 8:35:45 PM

Testimony for LAB on 3/13/2018 10:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
christopher buehler	Individual	Support	No

Comments:

SB-2563-SD-1

Submitted on: 3/11/2018 6:26:40 PM

Testimony for LAB on 3/13/2018 10:30:00 AM

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

Comments:

SB-2563-SD-1

Submitted on: 3/10/2018 4:37:16 PM

Testimony for LAB on 3/13/2018 10:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Scott Crawford	Individual	Support	No

Comments:

SB-2563-SD-1

Submitted on: 3/11/2018 3:57:47 PM

Testimony for LAB on 3/13/2018 10:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Christopher Stillings	Individual	Support	No

Comments:

SB 2563

SD-1

LATE

TESTIMONY

DAVID Y. IGE
GOVERNOR

DOUGLAS S. CHIN
LIEUTENANT GOVERNOR



LEONARD HOSHIJO
DIRECTOR

**STATE OF HAWAII
DEPARTMENT OF LABOR AND INDUSTRIAL RELATIONS**

830 PUNCHBOWL STREET, ROOM 321
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Email: dlir.director@hawaii.gov

March 9, 2018

LATE

To: The Honorable Aaron Ling Johanson, Chair;
The Honorable Daniel Holt, Vice Chair; and
Members of the House Committee on Labor and Public Employment

Date: Tuesday, March 13, 2018
Time: 10:30 am
Place: Conference Room 309, State Capitol

From: Leonard Hoshijo, Director
Department of Labor and Industrial Relations (DLIR)

Re: S.B. No. 2563 SD1 Relating to Agriculture

I. OVERVIEW OF PROPOSED LEGISLATION

SB2563SD! proposes to appropriate funds to continue the work of the agriculture workforce development pipeline initiative to conduct training on all islands for teachers, school administrators, and students in agriculture self-sufficiency.

The department supports this measure if it does not affect the priorities identified in the Governor's Supplemental Budget request.

II. CURRENT LAW

Act 229 (SLH, 2016, §371-21) initiated the effort to provide agriculture self-sufficiency training to Hawaii's public schools (attached). The Hawaii Agriculture Workforce Advisory Board recommended accomplishing the goals of Act 229 through three (3) specific activities:

1. A two-week training program for high school teachers using Curriculum for Agricultural Science Education (CASE) Institute hosted by University of Hawaii College of Tropical Agriculture and Human Resources (CTAHR) in close collaboration with State Department of Education (DOE);

2. Purchase of supplies and small lab equipment for the teachers to carry out the CASE curriculum in their classrooms; and
3. A two-day Future Farmers of America (FFA) workshop for its teacher-advisors in Natural Sciences.

CASE teacher training. CTAHR, in partnership with DOE, hosted the CASE training at their UH Manoa campus in June 2017. CASE curriculum is widely known among agricultural science teachers as a high-quality, standardized curriculum, designed for fundamentals as well as more advanced training. This training was intended to give teachers more tools and curriculum options for teaching agricultural sciences.

The program provided thirteen Hawaii high school teachers, including one from Kauai High School and one from Konawaena High School, with the foundation and resources to introduce students to a range of agricultural opportunities and pathways of study. All teachers at the end of the institute were positive about the class and planned to use the CASE curriculum in their classrooms for school year 2017-2018.

Supplies for Classrooms. DOE allocated funds for classroom supplies to eight of the high schools whose teachers attended the training. These schools purchased agricultural science supplies and small lab equipment so that their teachers could fully implement the CASE curriculum.

FFA Workshop for Teacher-Advisors. DOE conducted a two-day workshop (July 27 and July 28, 2017) at the Monsanto facilities in Kunia for current, new or prospective FFA Advisors currently teaching in the Natural Resources Career Pathway. Ten teachers from eight schools participated. Attendees learned about the value of FFA members in promoting leadership and agricultural education; received training on managing FFA chapters; and reviewed and discussed Hawaii Agricultural Education and FFA Strategic Plans.

Benefits.

An unexpected benefit of the funding provided by the Legislature has been the wide scope of teachers attending the CASE training with 65% of attendees from fields other than agriculture. Their newly growing interest in agricultural sciences should increase the number of students exposed to agricultural science.

A goal of the of the State Legislature through Act 229 and Act 099 (SLH, 2013) (which established the Hawaii Agriculture Workforce Advisory Board) is to expand the pipeline of agricultural workers to address pending shortages in Hawaii's agricultural workforce. One of the objectives was to reverse the drastically declining membership in Hawaii FFA chapters in public secondary schools.

Through support for FFA members and teachers via workshops each year for the past three years, this objective was accomplished: ***from a low of 126 members and 10 participating high schools in 2014, there was a remarkable increase to 311 members and 16 high schools in 2016, an increase of 147% and 60% respectively.***

These outcomes demonstrate how limited funding provided by the Legislature to the Department over the past few years has generated a disproportionately high amount of interest and excitement about agriculture among students and teachers in the State's public schools.

III. COMMENTS ON THE SENATE BILL

To capitalize on the momentum generated by Act 229, the department supports the measure to provide funding for teacher training to continue and expand the efforts of creating a pipeline of agricultural science workers for Hawaii's agricultural self-sufficiency, provided it does not conflict with the Governor's budget priorities.



Board of Directors

TESTIMONY FROM BENNETTE MISALUCHA, EXECUTIVE DIRECTOR

President

Alan Takemoto

**In Support of SB 2563, SD1
RELATING TO AGRICULTURE**

Vice-President

Joshua Uyehara

HOUSE COMMITTEE ON LABOR AND PUBLIC EMPLOYMENT
March 13, 2018, 10:30 a.m.
Conference Room 309

Secretary

Dawn Bicoy

Chair Johanson and members of the committee:

Treasurer

Laurie Yoshida

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

Directors-at-Large

Adolf Helm

Mark Stoutemyer

Dan Clegg

Gene Harrington

HCIA ^{LATE} **supports SB 2563, SD1**, which appropriates funds to the Hawaii State Department of Land & Natural Resources for the K-12 agriculture workforce development pipeline initiative.

President Emeritus

Kirby Kester

Currently, the average age of Hawaii's commercial famers is over 60 years. A new generation of farmers and ranchers is needed to ensure the sustainability of Hawaii's agricultural industry. As such, we ask for your support to continue funding the operations of the K-12 Agriculture Workforce Development Pipeline.

Executive Director

Bennette Misalucha

Thank you for the opportunity to testify in support of this bill.

Respectfully submitted,

Bennette Misalucha

Executive Director, Hawaii Crop Improvement Association

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SB-2563-SD-1

Submitted on: 3/12/2018 12:56:44 PM

Testimony for LAB on 3/13/2018 10:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Michael Barros	Individual	Support	No

Comments:

I am writing in support of SB 2563 SD1 which supports a K-12 agriculture workforce development pipeline initiative. My name is Michael Barros, I have recently retired from the Department of Education as the Career and Technical Education (CTE) Educational Specialist (ES), a position housed at the Office of Curriculum, Instruction and Student Support (OCISS). As the State CTE Educational Specialist, one of my program responsibilities was Agriculture Education. I also served as the Agriculture teacher at Waialua High and Intermediate School for 10 years prior moving into the State ES position.

Previous funding provided through this initiative was very helpful in providing professional development for teachers and FFA Advisor in Agriculture Education. In the summer of 2017 in partnership with the College of Tropical Agriculture and Human Resources (CTAHR) provide a two week professional development to Agriculture Education teachers to implement the a Curriculum for Agriculture Science Education (CASE). <http://www.case4learning.org/> Teacher feedback regarding the curriculum was positive and request for further professional development using the CASE curriculum was unanimous.

If our state is to move forward toward increase food security with less reliance on food imports and increase agriculture exports, we must have a strong and vibrant agriculture industry. In order to provide a workforce to meet this challenge, Agriculture Education programs must attract our best and brightest students. Our teachers must be prepared to implement a strong science-based curriculum that is project-based and engaging for all students. The CASE curriculum is a strong start but more attention will need to be given to middle school and elementary gardening and agriculture awareness programs.

Thank you for you time and consideration of my testimony.

SB-2563-SD-1

Submitted on: 3/13/2018 1:15:25 AM

Testimony for LAB on 3/13/2018 10:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Janet Pappas	Individual	Support	No

Comments:

LATE

SB-2563-SD-1

Submitted on: 3/13/2018 4:21:05 AM

Testimony for LAB on 3/13/2018 10:30:00 AM

Submitted By	Organization	Testifier Position	Present at Hearing
Rachel L. Kailianu	Individual	Support	Yes

Comments:

In STRING SUPPORT.

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