DAVID Y. IGE Governor

SHAN S. TSUTSUI 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 SENATE COMMITTEES ON JUDICIARY AND WAY AND MEANS

February 24, 2016 10:00 A.M. CONFERENCE ROOM 211

SENATE BILL NO. 2659 SD1 RELATING TO INDUSTRIAL HEMP

Chairpersons Keith-Agaran and Tokuda and Members of the Committees:

Thank you for the opportunity to testify on Senate Bill No. 2659 SD1. This bill establishes an industrial hemp pilot project to allow the cultivation of industrial hemp and distribution of its seed in Hawaii through limited activities by the Board of Agriculture in compliance with the 2014 Farm Bill. There is an appropriation. The Department of Agriculture supports the intent of this measure provided that it does not impact the priorities submitted in the Department's executive budget and looks forward to establishing industrial hemp as a potential candidate crop and add it to Hawaii's diversified agricultural industry.

The pilot program established within the Department will acquire seed after we register with the federal Department of Justice, Drug Enforcement Administration. Once that is accomplished, we will establish an agency relationship with licensees throughout the State who will operate as extensions of the Department for the purposes of research on the growth, cultivation, and marketing of industrial hemp. The Department is to inform licensees of laws and regulation applicable to the production of industrial hemp, answer licensees' questions regarding the pilot program, provide seed to licensees, and



catalog the data received from licensees, other pilot program participants, and education institutions for improved methods in growing, cultivating, and marketing industrial hemp.

This measure specifies the process for applying and maintaining industrial hemp licenses which are valid for two years. Also specified is the process for reporting on the sale of the industrial hemp to a processor. If there is no sale upon harvesting, the intended disposition of the industrial hemp is to be report to the Department.

This measure also specifies the voluminous responsibilities of the industrial hemp licensees which will be overseen by the Department, specifies inspection fees for testing delta-9 tetrahydrocannabinol in the crop, specifies acts of licensees that constitute violations and provides for civil penalties, and licensees required to report profits and the Department shall not share in it.

The Department is required to adopt rules governing industrial hemp production no later than July 1, 2017, including rules establishing reasonable fees for licenses, permits or other necessary expenses to defray the cost of implementing and operating the industrial hemp pilot program. We appreciate the additional six months and will make every effort to have the rules adopted by then.

The Department of Agriculture notes that this measure with its pilot program provides far more detail to moving industrial hemp forward than that proposed in Senate Bill No. 2787, Senate Draft 1 which provides what appears to similar responsibilities but minimal guidance to the Department of Agriculture.

Thank you for the opportunity to submit our testimony.

To: <u>JDLTestimony</u>

Cc:

Subject: *Submitted testimony for SB2659 on Feb 24, 2016 10:00AM*

Date: Monday, February 22, 2016 9:50:49 PM

SB2659

Submitted on: 2/22/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|----------------|--------------------------------|-----------------------|--------------------|
| Carl Bergquist | Drug Policy Forum of Hawaii | Support | No |

Comments:

Please note that testimony submitted <u>less than 24 hours prior to the hearing</u>, 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.



Senate Committees on Judiciary and Labor, and Ways and Means

Hawai'i Center for Food Safety supports: <u>SB2659 SD1</u> relating to Industrial Hemp

Dear Chair Keith-Agaran, Vice Chair Shimabukuro, Chair Tokuda, Vice Chair Dela Cruz, and Members of both Committees,

My name is Dr. Ashley Lukens and I am the Hawai'i Director for the Center for Food Safety (CFS). CFS is a nationwide public interest, sustainable agriculture nonprofit organization whose mission centers on furthering the public's right to know how their food is produced, through labeling and other means. We have over 750,000 farmer and consumer members across the country, including nearing 10,000 in Hawai'i. On behalf of CFS and our members, I thank you for the opportunity to speak to you today regarding this important bill.

CFS has been dedicated to addressing the human health and environmental impacts of our increased reliance on pesticide use in food production, both in the State of Hawai'i and nationally. We were instrumental in providing legal and communications support in the passage of numerous ordinances relating to pesticide use and disclosure, such as Kaua'i's Bill 2491. Since 2014, as the inaugural director here in Hawai'i, I have worked closely with community members across the state, in all counties, and have played an instrumental role in the passage of Maui's moratorium on GE production until companies submit environmental and public health impact assessments.

I am also a former adjunct professor of Political Science at UH Mānoa and UH West O'ahu, where I have taught classes on food, agriculture, and policy from 2006-2014.

I am writing in support of SB2659 SD1, which establishes an industrial hemp pilot program to allow the cultivation of industrial hemp and distribution of its seed in Hawai'i through limited activities by the board of agriculture for purposes of agricultural or academic research, as well as, appropriates funds for department of agriculture staff to assist in registration of industrial hemp licensees.

Industrial hemp can be processed into nutritional seeds and oils, clothing, paper, animal feed, even biodiesel. Many may have concerns about the misuse of hemp as marijuana, but legalizing hemp is not legalizing marijuana. In fact, over twenty counties including Canada, France, and Germany cultivate and process hemp. Industrial hemp is an extremely versatile crop and can be used in Hawai'i to improve our food security and cause an immediate spike in local jobs.

Industrial hemp has the potential to create high outputs of products while using minimal or no pesticides. Replacing the pesticide-intensive industries like sugar with hemp could reduce the amount of pesticides in our air, soils, and ultimately our citizens.

Not only would organic hemp improve our human and environmental health, the food crops produced locally would create a safer food system. Hawai'i imports the vast majority of our food and products, and the birth of a local industrial hemp industry would improve local food supply and jobs.

Industrial hemp, when cultivated organically, can arguably fight climate change. A comparison to cotton is an effective measure. Hemp takes half the space to grow compared to cotton in terms of tons per finished textile. Hemp also takes about half as much water as cotton to grow. And when processing, cotton takes more than four times the amount of water than hemp to complete a finished product. However, due to the unique environments of Hawai'i, research must be conducted to determine if industrial organic hemp would be effective in our climate.

As of 2014, industrial hemp research on remediation and biofuel crop research was legalized for The University of Hawaii College of Tropical Agriculture and Human Resources. SB2659 SD1 will allow development of industrial hemp as an agricultural product through regulations by the Department of Agriculture.

With the demise of the sugar plantation era in Hawai'i, we have an opportunity to start again in the drive to a local and sustainable food system. Industrial hemp is just one step on the path to a healthy and safe future for Hawai'i.

Thank you for this opportunity to provide testimony, and I am happy to provide further analysis or respond to any follow-up questions from the Committee.

Respectfully,

Ashley Lukens, PhD

Hawai'i Director

Center for Food Safety

To: <u>JDLTestimony</u>

Cc:

Subject: *Submitted testimony for SB2659 on Feb 24, 2016 10:00AM*

Date: Monday, February 22, 2016 5:49:29 PM

SB2659

Submitted on: 2/22/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------|--------------------|-----------------------|-----------------------|
| Randy Cabral | Hawaii Farm Bureau | Support | No |

Comments:

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P.O. Box 99, Wailuku, HI 96793-0099

February 23,2016

Testimony in support of SB 2659 SD1

HFUU Board of Directors

Aloha Honorable Chair Tokuda, Chair Keith-Agaran and Honorable Members of the Committee,

Vincent Mina President Hawaii Farmers Union United is in strong support of SB 2659 SD1.

The Acronym we use for HEMP is Hawaii Environmental Money Producer. We are also in strong support of the requested appropriation for this measure.

Ray Maki Vice-President

Anabella Bruch

Secretary

Based on the results of the economic boost this crop has represented for other countries that allow its cultivation and the fact that the United States is the largest consumer of HEMP products, we assert that clearing any obstacles impeding its production here in Hawaii will best serve to sustain our agricultural movement forward and will support locally the benefits of growing food, medicine, fiber, and fuel products we now import. The entire country of Canada has about 50,000 acres of hemp, and it is a \$3 billion industry there. Hawaii could also have 50,000 acres of hemp growing in the future. That would be economic stimulus for our agricultural sector here, and keep Hawaii green.

Karen Reid Treasurer

The cultivation of industrial hemp in different areas (Which is the intent of this bill) of the state will also give us a clear understanding on how it grows in different climatic conditions and soil strata. Promoting HEMP production with a sustainable approach to utilizing all of its potential can be grown in rotation and in conjunction with cover crops which fixes and makes available nitrogen in the soil for subsequent crops. These and other soil building practices will also provide much needed root and beneficial fungal bio-mass for many of our depleted, eroded and over produced agricultural soils. This then will address the necessary task of rebuilding the vitality of our soils with a movement forward of having a resilient agricultural system in providing consistent agricultural production into the future.

Pamela Boyar Oahu

Alika Atay Mauna Kahalawai

It has been shown that Hawaii is a prime place to grow seed for agricultural production, by us having a focus on a renewable path of cover crop seeds and HEMP seeds whose growing practices recycle nutrients back into our agricultural and food system, will add value to the whole system of agriculture we envision and represent for a sustainable agricultural presence moving forward.

Mikala Minn Hana

HEMP is an important piece of developing this sustainable agricultural picture for now and for many generations. We appreciate your consideration and support in taking this important step forward for Hawaii's agricultural future.

Phyllis Robinson Haleakala

Mahalo,
Nate Hayward HAWAII FARMERS UNION UNITED

Kohala

Vincent Mina, President

Kyle Studer

East Hawai'i

Greg Smith

Ka'u

The Hawai'i Farmers Union United and its Chapters is a nonprofit corporation formed under Hawai'i law. It advocates for the sovereign right of farmers to create and sustain vibrant and prosperous agricultural communities for the benefit of all Hawai'i through cooperation, education and legislation.

Steve Sakala Kona

To: <u>JDLTestimony</u>

Cc:

Subject: *Submitted testimony for SB2659 on Feb 24, 2016 10:00AM*

Date: Tuesday, February 23, 2016 2:22:43 PM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing | |
|--------------|----------------------------|-----------------------|-----------------------|--|
| sydney smith | Maui Coffee Association | Support | No | |

Comments:

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To: <u>JDLTestimony</u>

Cc:

Subject: *Submitted testimony for SB2659 on Feb 24, 2016 10:00AM*

Date: Tuesday, February 23, 2016 10:27:52 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|-----------------|--------------------------------|-----------------------|--------------------|
| David B. Fisher | Maui Venture Consulting LLC | Support | No |

Comments:

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 10:35:35 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------|--------------|-----------------------|-----------------------|
| albert boyce | Individual | Support | No |

Comments: As managing general partner of Maui Tropical Plantation, I am in favor of the production of diversified hemp on the island of Maui. With the departure of HC&S and sugar cane, we need to find all viable traditional and non-traditional crops for a diversified agricultural model on the island. We have been successful on our lands growing a wide variety of traditional and non-traditional row crops that offer food, culture and beauty to locals and visitors alike. Mahalo.

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Monday, February 22, 2016 8:30:43 PM

SB2659

Submitted on: 2/22/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------|--------------|-----------------------|-----------------------|
| Amber | Individual | Support | No |

Comments: Aloha Respected Senators, I strongly support SB2659 SD1 27 US states have already passed industrial hemp legislation. Hawaii is in a unique position to grow industrial hemp year round proven by the research done by UH over the past 2 years with it's pilot program .It's time to expand this program to all Hawaii's Farmers and Ag companies alike. If Hawaii is to be on the leading edge of this multi-million dollar industry Hawaii farmers and Large Agriculture companies need to be able to grow this crop now! Expanding the growing of industrial hemp to all Hawaii will give farmers the opportunity to grow this crop and develop seed and strains that will boost our economy while helping to clean our soil and reduce our dependency on imports. We need to keep up with the times and help the Hawaiian economy be more sustainable as well! Respectfully yours Amber Long

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Monday, February 22, 2016 11:57:43 PM

SB2659

Submitted on: 2/22/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------|--------------|-----------------------|-----------------------|
| Barbara Barry | Individual | Support | No |

Comments: Aloha, I strongly support this Bill. Let's keep our islands growing strong without biochem corporations. Keep the HC&S Workers working, growing Hemp in large portions of the Sugarcane fields. We must stop poisoning the 'Aina. Mahalo for supporting this economic and agricultural blessing. Mahalo,

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To: <u>JDLTestimony</u>

Cc:

Subject: *Submitted testimony for SB2659 on Feb 24, 2016 10:00AM*

Date: Tuesday, February 23, 2016 9:29:02 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing | |
|---------------|--------------|-----------------------|-----------------------|--|
| Barbara Rosow | Individual | Support | No | |

Comments:

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 8:48:47 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------|--------------|-----------------------|-----------------------|
| bobbie becker | Individual | Support | No |

Comments: Aloha Chair Tokuda, Chair Keith-Agaran, and honorable members of the committee, I strongly support SB2659 SD1 because Hawaii NEEDS agriculture. This state has been build on Agriculture. It has a huge infrastructure and workforce that are trained and ready for hemp production. Hawaii's location on the planet makes it unique in having a climate that will permit year round production. 27 US states have already passed industrial hemp legislation. If Hawaii is to be on the leading edge of this multi-million dollar industry our agricultural community needs to be able to grow this crop now! This is a "clean" crop that will boost our economy through sales of hemp, and it will increase agricultural tourism from around the world while helping to improve our soils and reduce our dependency on imports. Please vote YES for on SB2659

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 8:22:58 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing | |
|--------------|--------------|-----------------------|-----------------------|--|
| brett gobar | Individual | Support | No | |

Comments: honorable representatives, please support efforts, incl. sb2659, to allow hemp growing and encourage smaller scale farms, not just large corporate farming. regards, brett gobar.... B.S. Resource Mgt.

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Monday, February 22, 2016 8:46:22 PM

SB2659

Submitted on: 2/22/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------|--------------|-----------------------|-----------------------|
| Brian Murphy | Individual | Support | No |

Comments: Aloha Honorable Senators, I SUPPORT SB2659. The University of Hawai'i at Manoa, recently completed a pilot study of industrial hemp cultivation in Hawai'i, and demonstrated that certain strains of industrial hemp can grow quickly to significant height under Hawai'i conditions. With the end of sugar announced by HC&S, it is imperative that Hawai'i develop new crops that can serve multiple purposes, and help establish self-sufficiency for Hawai'i, which is vital for our security. Hemp is a very versatile crop. It can help clean the land of toxic chemicals, be used for fuel, food, and building materials. Please pass SB2659. Mahalo for your kind consideration.

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 10:20:45 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing | |
|-----------------|--------------|-----------------------|-----------------------|---|
| Candice Pacheco | Individual | Support | No | 1 |

Comments:

Expanding the growing of industrial hemp to all Hawaii will give farmers the opportunity to grow this crop and develop seed and strains that will boost our economy while helping to clean our soil and reduce our dependency on imports.

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 10:58:41 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------|--------------|-----------------------|-----------------------|
| Chris Mentzel | Individual | Support | No |

Comments: Aloha Chair Tokuda, Chair Keith-Agaran, and honorable members of the committee, I strongly support SB2659 SD1 27 US states have already passed industrial hemp legislation. Hawaii is in a unique position to grow industrial hemp year round proven by the research done by UH over the past 2 years with it's pilot program. It's time to expand this program to all Hawaii's Farmers and Ag companies alike. If Hawaii is to be on the leading edge of this multi-million dollar industry the Hawaii agriculture community need to be able to grow this crop now! Expanding the growing of industrial hemp to all Hawaii will give farmers the opportunity to grow this crop and develop seed and strains that will boost our economy while helping to clean our soil and reduce our dependency on imports. Respectfully yours, Chris Mentzel

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 9:22:02 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|-----------------|--------------|-----------------------|-----------------------|
| Courtney Turner | Individual | Support | No |

Comments: I live on Maui where the last sugar mill is closing down. HC&S and A&B may consider industrial hemp as one of the alternatives if it is legalized in Hawaii. 27 states have already passed legalization of industrial hemp. One acre of industrial hemp can produce CBDs, a medicinal component that does NOT create a high, and may produce \$300K of income/acre. Pretty amazing. Consider being on the forward edge of this new economy. Mahalo!

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 2:04:12 PM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------|--------------|-----------------------|-----------------------|
| Dana Keawe | Individual | Support | No |

Comments: Aloha Chair Tokuda, Chair Keith-Agaran, and honorable members of the committee, I strongly support SB2659 SD1 27 US states have already passed industrial hemp legislation. Hawaii is in a unique position to grow industrial hemp year round proven by the research done by UH over the past 2 years with it's pilot program .It's time to expand this program to all Hawaii's Farmers and Ag companies alike. If Hawaii is to be on the leading edge of this multi-million dollar industry the Hawaii agriculture community need to be able to grow this crop now! Expanding the growing of industrial hemp to all Hawaii will give farmers the opportunity to grow this crop and develop seed and strains that will boost our economy while helping to clean our soil and reduce our dependency on imports. Respectfully yours, Dana Keawe

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 7:54:52 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------|--------------|-----------------------|-----------------------|
| daniel munz | Individual | Support | No |

Comments: Aloha, I wish to express my support for SB 2659 SD1. Maui and A&B have a unique opportunity to utilize the agricultural land for profitable and soil enhancing pursuits that will aid in A&B's profit margin and support a healthier soil for future farming pursuits. It sounds like a win win to me.

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To: <u>JDLTestimony</u>

Cc:

Subject: *Submitted testimony for SB2659 on Feb 24, 2016 10:00AM*

Date: Tuesday, February 23, 2016 3:51:33 PM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------|--------------|-----------------------|-----------------------|
| David Pickett | Individual | Support | No |

Comments:

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 9:00:55 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------|--------------|-----------------------|-----------------------|
| Denise Key | Individual | Support | No |

Comments: Aloha Respected Senators, I am in STRONG support of SB2659 SD1 Twenty-seven US States have already passed industrial hemp legislation authorizing it's cultivation either under section 7606 of the Farm Bill –or full scale, commercial operations. Hawaii is in a unique position to grow industrial hemp year-round, a fact established by the pilot program research done by UH during the past two years. Expanding this program to all Hawai'i farmers and agricultural companies will maintain our lead over other states hoping to develop a stake this multi-million dollar industry. Hawaii farmers and large agriculture companies need to be able to grow this crop, now! Harvested hemp is made into hundreds of products around the world — products that entrepreneurs in the Hawaii market can develop into products that will diversify and grow our local economy. Already, citizens on Maui are building a second house using hemp building materials! This house is naturally resistant to mold, mildew and termites and is fire retardant! Maui Brewing Company will be brewing hemp beer for our third annual 2016 Hemp History Week in June. Styrophobia, an Oahu-based company, has made their recyclable containers from pulverized hemp for years. These are just three examples of profitable products and businesses that use industrial/agricultural hemp — unfortunately, raw materials for these products currently must be imported. Expanding industrial hemp farming to all Hawaii will naturally develop plant strains and seed products that Hawaiii manufacturers can buy locally - boosting our economy immediately. Farming of hemp as a rotational crop will clean, condition and fertilize our soil for food crops that reduce our dependence on imported produce. Your vote to support SB2659 SD1 will allow farmers, current businesses and budding entrepreneurs alike grow explore markets for products that can only be made here in Hawaii. I appreciate the opportunity to testify and your support of this very important bill. Mahalo, Denise Key

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In Support of SB2659: Relating to Industrial Hemp

As a full-time hemp professional, I believe SB2569 will prove one of the most beneficial laws to Hawaii's economy, families and farmers in years.

The bill's drafters have allowed both Hawaii's private farmers and its researchers to cultivate hemp by successfully navigating the federal hemp cultivation provision, section 7606 of the 2014 Farm Bill.

And Hawaii needs that. The growth of the hemp industry is undeniable. Nationwide hemp acreage has increased from 350 in 2014 to 6,000 acres this past season. Farmers in the 26 states already cultivating are showing that hemp is no flash in the pan. Acreage will increase exponentially again this season. A single Colorado farmer I harvested with last season is cultivating 1,500 acres this season.

The reason the hemp industry is launching with these incredible numbers is because even today (when farmers are allowed to sell their harvest as part of sales and marketing research), farmers are receiving prices more than five times what they get for corn, soy and wheat. Kentucky's outgoing Agriculture Commissioner James Comer told me that he expects hemp to be a "top five crop in the nation within ten years."

Hawaiian farmers and processors, too, will immediately utilize this diverse crop for uses raging from traditional (food security) to entrepreneurial (value added products for tourism and export) to environmental (soil restoration) to modern (energy independence).

Perhaps most important of all, SB2569 positions Hawaii's hemp industry to be on the leading edge when full commercial legalization inevitably comes on the federal level. This head start will be further augmented by Hawaii's climate, which allows year round planting of this short duration crop. This in turn permits the state's farmers and academics to lead research into both modern seed cultivars and hemp applications. Kudos to the legislature for putting forth a single bill that will be worth billions to the economy, allow independent farmers to make a substantial living, and help provide the state's residents with a regenerative future. SB2569 represents a positive watershed for Hawaii.

-Doug Fine Author, *Hemp Bound* Grant County, New Mexico

To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 6:50:03 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------|--------------|-----------------------|-----------------------|
| Edward Aloi | Individual | Support | No |

Comments: I strongly support this bill. There are many reasons why farmers should grow hemp. It is a versatile crop that will improve the quality of our soil. It will be an important part of a sustainable future for Hawaii. There are NO reasons why the growing of this crop should be prohibited. It does not pose ANY kind of danger to anyone. Please do the right thing and supprt this bill. Thank you.

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To: <u>JDLTestimony</u>

Cc:

Subject: *Submitted testimony for SB2659 on Feb 24, 2016 10:00AM*

Date: Tuesday, February 23, 2016 8:34:32 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing | |
|---------------|--------------|-----------------------|-----------------------|--|
| Eloise Engman | Individual | Support | No | |

Comments:

Please note that testimony submitted <u>less than 24 hours prior to the hearing</u>, 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.

To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Monday, February 22, 2016 6:29:09 PM

SB2659

Submitted on: 2/22/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|-----------------|--------------|-----------------------|-----------------------|
| Emanuel Ormonde | Individual | Support | No |

Comments: Aloha Respected Senators, I strongly support SB2659 SD1. To date, 27 US states have already passed industrial hemp legislation. Hawaii is in a unique position to grow industrial hemp year round proven by the research done by UH over the past 2 years with it's pilot program. It's time to expand this program to all Hawaii's Farmers and Ag companies alike. If Hawaii is to be on the leading edge of this multimillion dollar industry, Hawaii farmers and Large Agriculture companies need to be able to grow this crop now! Expanding the growing of industrial hemp to all Hawaii will give farmers the opportunity to grow this crop and develop seed and strains that will boost our economy while helping to clean our soil. Respectfully, - Emanuel 'Manny' Ormonde

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 7:13:23 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------|--------------|-----------------------|-----------------------|
| Eve Hogan | Individual | Support | No |

Comments: Please support this bill and encourage diversified agriculture in this critical time of agricultural change. Thank you

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To: <u>JDLTestimony</u>

Cc:

Subject: *Submitted testimony for SB2659 on Feb 24, 2016 10:00AM*

Date: Tuesday, February 23, 2016 10:08:32 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|----------------|--------------|-----------------------|-----------------------|
| Evern Williams | Individual | Support | No |

Comments:

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TESTIMONY FOR SB2659 SD1

Aloha Chair Tokuda, Chair Keith-Agaran, and honorable members of the committee,

I strongly support SB2659 SD1

Expanding the growing of industrial hemp to all of Hawaii will boost our economy while helping to clean our soil and reduce our dependency on imports. 27 of the U.S. states have already passed industrial hemp legislation. Hawaii is in a unique position to grow industrial hemp year round. Hawaii could be on the leading edge of this multi-million dollar industry that would bring much needed revenue to our islands, while maintaining large acreage for agriculture (which is a tourist attraction and will support that economic industry as well.)

Respectfully yours,

Heidi Erhardt

To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 12:23:48 PM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------|--------------|---------------------------|-----------------------|
| Helmut Klauer | Individual | Comments Only | No |

Comments: expanding the growing of industrial hemp to all Hawaii will give farmers the opportunity to grow this crop and develop seed and strains that will boost our economy while helping to clean our soil and reduce our dependency on imports. Maholo, Helmut Klauer

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To: <u>JDLTestimony</u>

Cc:

Subject: *Submitted testimony for SB2659 on Feb 24, 2016 10:00AM*

Date: Tuesday, February 23, 2016 11:47:01 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

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

Comments:

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To: <u>JDLTestimony</u>

Cc:

Subject: *Submitted testimony for SB2659 on Feb 24, 2016 10:00AM*

Date: Tuesday, February 23, 2016 7:48:27 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing | |
|--------------|--------------|-----------------------|-----------------------|--|
| Jeanne Vana | Individual | Support | No | |

Comments:

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Monday, February 22, 2016 10:08:41 PM

SB2659

Submitted on: 2/22/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|-------------------|--------------|-----------------------|-----------------------|
| Jennifer Milholen | Individual | Support | No |

Comments: Aloha Respected Senators, I strongly support SB2659 SD1 27 US states have already passed industrial hemp legislation. Hawaii is in a unique position to grow industrial hemp year round proven by the research done by UH over the past 2 years with it's pilot program .It's time to expand this program to all Hawaii's Farmers and Ag companies alike. If Hawaii is to be on the leading edge of this multi-million dollar industry Hawaii farmers and Large Agriculture companies need to be able to grow this crop now! Expanding the growing of industrial hemp to all Hawaii will give farmers the opportunity to grow this crop and develop seed and strains that will boost our economy while helping to clean our soil and reduce our dependency on imports. Respectfully yours Jennifer Milholen

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 9:18:52 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------------|--------------|-----------------------|-----------------------|
| Josephine Keliipio | Individual | Support | No |

Comments: Aloha Chair Tokuda, Chair Keith-Agaran, and honorable members of the committee, I strongly support SB2659 SD1 27 US states have already passed industrial hemp legislation. Hawaii is in a unique position to grow industrial hemp year round proven by the research done by UH over the past 2 years with it's pilot program .It's time to expand this program to all Hawaii's Farmers and Ag companies alike. Just imagine all the opportunities that could open up once Hawaii farmers begin growing and producing industrial hemp as a sustainable crop. Expanding the growing of industrial hemp to all Hawaii will give farmers the opportunity to grow this crop and develop seed and strains that will boost our economy while helping to clean our soil and reduce our dependency on imports. Respectfully yours, Josephine Keliipio Kailua Kona, Hawaii 96740

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To: <u>JDLTestimony</u>

Cc:

Subject: *Submitted testimony for SB2659 on Feb 24, 2016 10:00AM*

Date: Monday, February 22, 2016 2:28:44 PM

SB2659

Submitted on: 2/22/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------|--------------|-----------------------|-----------------------|
| Kalawai'a Goo | Individual | Support | No |

Comments:

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 3:38:22 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------|--------------|-----------------------|-----------------------|
| Karen Reid | Individual | Support | No |

Comments: Aloha Chair Tokuda, Chair Keith-Agaran, and honorable members of the committee, I strongly support SB2659 SD1 27 US states have already passed industrial hemp legislation. Hawaii is in a unique position to grow industrial hemp year round proven by the research done by UH over the past 2 years with it's pilot program. It's time to expand this program to all Hawaii's Farmers and Ag companies alike. If Hawaii is to be on the leading edge of this multi-million dollar industry the Hawaii agriculture community need to be able to grow this crop now! Expanding the growing of industrial hemp to all Hawaii will give farmers the opportunity to grow this crop and develop seed and strains that will boost our economy while helping to clean our soil and reduce our dependency on imports. Respectfully yours, Karen Reid

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 12:48:27 PM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------|--------------|-----------------------|-----------------------|
| Kelly Hart | Individual | Support | No |

Comments: Aloha Chair Tokuda, Chair Keith-Agaran, and honorable members of the committee, I strongly support SB2659 SD1 27 US states have already passed industrial hemp legislation. Hawaii is in a unique position to grow industrial hemp year round proven by the research done by UH over the past 2 years with it's pilot program .It's time to expand this program to all Hawaii's Farmers and Ag companies alike. If Hawaii is to be on the leading edge of this multi-million dollar industry the Hawaii agriculture community need to be able to grow this crop now! Expanding the growing of industrial hemp to all Hawaii will give farmers the opportunity to grow this crop and develop seed and strains that will boost our economy while helping to clean our soil and reduce our dependency on imports. Respectfully yours, Kelly Hart

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 11:27:58 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------|--------------|-----------------------|-----------------------|
| Kelly King | Individual | Support | No |

Comments: I am in strong support of this bill as the potential of industrial hemp to be an economic driver for Hawaii is huge! In the fall of 2014, I helped organize a hemp workshop for Maui that had great attendance and showed the interest by state and county officials as well as local farmers, construction worker and food producers. Let's join the other states who have not waited for the federal government to legalize this important crop!

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To: <u>JDLTestimony</u>

Cc:

Subject: *Submitted testimony for SB2659 on Feb 24, 2016 10:00AM*

Date: Tuesday, February 23, 2016 2:31:30 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|------------------|--------------|-----------------------|-----------------------|
| Kristen Martinek | Individual | Support | No |

Comments:

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 5:42:42 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing | |
|--------------|--------------|-----------------------|-----------------------|--|
| Lars Lind | Individual | Support | No | |

Comments: Please support SB 2659 SD1. Hemp is a valuable and versatile crop which can be grown all year in Hawaii. Growing hemp will boost the economy of HI, while helping to clean our soil and reduce our dependency on imports. Mahalo!

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 3:36:34 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|----------------------|--------------|---------------------------|-----------------------|
| Lawrence Koss, M.Ed. | Individual | Comments Only | No |

Comments: Aloha Chair Tokuda, Chair Keith-Agaran, and honorable members of the committee, I strongly support SB2659 SD1 27 US states have already passed industrial hemp legislation. Hawaii is in a unique position to grow industrial hemp year round proven by the research done by UH over the past 2 years with it's pilot program .It's time to expand this program to all Hawaii's Farmers and Ag companies alike. If Hawaii is to be on the leading edge of this multi-million dollar industry the Hawaii agriculture community need to be able to grow this crop now! Expanding the growing of industrial hemp to all Hawaii will give farmers the opportunity to grow this crop and develop seed and strains that will boost our economy while helping to clean our soil and reduce our dependency on imports. Respectfully yours..... Lawrence Koss, M.Ed.

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 10:45:58 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------|--------------|-----------------------|-----------------------|
| Linda Lyerly | Individual | Support | No |

Comments: Please support this important product for Hawaii. Industrial hemp is used all over the world and is becoming more and more in demand. I eat the seeds which are rich in protein. All manner of hemp products are very popular. Mahalo for your time and consideration. Sincerely, Linda Lyerly. 25 Puakukui Pl. #4, Lahaina, Hl. 96761

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Monday, February 22, 2016 9:44:08 AM

SB2659

Submitted on: 2/22/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------|--------------|-----------------------|-----------------------|
| Louisa Wooton | Individual | Support | No |

Comments: Strong support for a sustainable crop that will provide jobs and opportunities in manufacturing for Hawai'i.

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 12:33:06 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|------------------|--------------|-----------------------|-----------------------|
| lucienne de naie | Individual | Support | No |

Comments: Please support this much needed program. It can provide new agricultural opportunities for our state and help the transition of HC&S lands in Maui. Mahalo Lucienne de Naie

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 7:27:07 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------|--------------|---------------------------|-----------------------|
| Lucrezia | Individual | Comments Only | No |

Comments: Please support this bill! As most of us know by now, hemp is one of the most productive plants for human food, fuel and cellulose for so many other uses. Its introduction on Maui on a large scale is absolutely pertinent, now that sugar cane is phasing out of the agricultural picture. It is time now to be more sustainable and make growing hemp a priority! Lucrezia Oddie Farmer

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 7:04:53 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|-------------------|--------------|-----------------------|-----------------------|
| marie janiszewski | Individual | Support | No |

Comments: As a farmer in Ulupalakua on Maui, I testify that hemp grown for its seed, fiber, and use as a cover crop will dramatically expand my farm's capacities in sustainability, efficiency, and effectiveness. This is an important crop for increasing biodiversity through all Hawaiian farming systems.

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 12:44:41 PM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------|--------------|-----------------------|-----------------------|
| Mark Shaw | Individual | Support | No |

Comments: Aloha Chair Tokuda, Chair Keith-Agaran, and honorable members of the committee, I strongly support SB2659 SD1 27 US states have already passed industrial hemp legislation. Hawaii is in a unique position to grow industrial hemp year round proven by the research done by UH over the past 2 years with it's pilot program .It's time to expand this program to all Hawaii's Farmers and Ag companies alike. If Hawaii is to be on the leading edge of this multi-million dollar industry the Hawaii agriculture community need to be able to grow this crop now! Expanding the growing of industrial hemp to all Hawaii will give farmers the opportunity to grow this crop and develop seed and strains that will boost our economy while helping to clean our soil and reduce our dependency on imports. Respectfully yours. Mark A. Shaw

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Aloha Chair Tokuda, Chair Keith-Agaran, and honorable members of the committee,

I strongly support SB2659 SD1 because:

- Twenty-seven US states have passed industrial hemp legislation.
- Hawaii is in a unique position to grow industrial hemp year round, proven by the research done by UH over the past 2 years with its pilot program.
- It's time to expand this program to all Hawaii's farmers and Ag companies alike. If Hawaii is to be on the leading edge of this multi-million dollar industry, Hawaii's agriculture community needs to be able to grow this crop.
- Expanding the growing of industrial hemp to all of Hawaii will give farmers the opportunity to grow this crop and develop seed and strains that will boost our economy, while helping to clean our soil and reduce our dependency on imports.

Respectfully yours
Marta Lane

To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 5:39:12 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------|--------------|-----------------------|-----------------------|
| Martha Lind | Individual | Support | No |

Comments: I strongly support SB2659 SD1. Hemp is a valuable and versatile crop. Hawaii is in a unique position to grow industrial hemp year round. Expanding the growing of industrial hemp to all Hawaii will give farmers the opportunity to grow this crop and develop seed and strains that will boost our economy while helping to clean our soil and reduce our dependency on imports. Please support this bill and support Hawaii farmers! Mahalo!

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 10:34:37 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------|--------------|-----------------------|-----------------------|
| Mary Lacques | Individual | Support | No |

Comments: Please allow farmers the opportunity to grow and develop hemp seeds and crops in Hawai'i. Our soil needs remediation and our economy will greatly benefit from this sustainable, proactive legislation.

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Monday, February 22, 2016 8:44:14 PM

SB2659

Submitted on: 2/22/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------|--------------|-----------------------|-----------------------|
| Mary Overbay | Individual | Support | No |

Comments: Aloha Honorable Senators, I SUPPORT SB2659. The University of Hawai'i at Manoa, recently completed a pilot study of industrial hemp cultivation in Hawai'i, and demonstrated that certain strains of industrial hemp can grow quickly to significant height under Hawai'i conditions. With the end of sugar announced by HC&S, it is imperative that Hawai'i develop new crops that can serve multiple purposes, and help establish self-sufficiency for Hawai'i, which is vital for our security. Hemp is a very versatile crop. It can help clean the land of toxic chemicals, be used for fuel, food, and building materials. Please pass SB2659. Mahalo for your kind consideration.

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 6:46:27 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------|--------------|-----------------------|-----------------------|
| mary | Individual | Support | No |

Comments: Aloha Chair Tokuda, Chair Keith-Agaran, and honorable members of the committee, I strongly support SB2659 SD1 27 US states have already passed industrial hemp legislation. Hawaii is in a unique position to grow industrial hemp year round proven by the research done by UH over the past 2 years with it's pilot program .It's time to expand this program to all Hawaii's Farmers and Ag companies alike. If Hawaii is to be on the leading edge of this multi-million dollar industry the Hawaii agriculture community need to be able to grow this crop now! Expanding the growing of industrial hemp to all Hawaii will give farmers the opportunity to grow this crop and develop seed and strains that will boost our economy while helping to clean our soil and reduce our dependency on imports. Respectfully yours.....

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 3:31:33 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|-----------------|--------------|-----------------------|-----------------------|
| Michelle Matson | Individual | Support | No |

Comments: I support Senate Bill 2659, SD1 to introduce this versatile agricultural crop on Hawaii's diminishing agricultural lands that once were a major part of Hawaii's economy. Albeit a small step, SB 2659 is pointed in the right direction.

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 7:59:52 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|----------------|------------------|-----------------------|-----------------------|
| Neil A McManus | Waihunahuna Farm | Support | No |

Comments: Aloha Chair Tokuda, Chair Keith-Agaran, and honorable members of the committee, I strongly support SB2659 SD1. I submit the following as per Simon Russell HFUU: 27 US states have already passed industrial hemp legislation. Hawaii is in a unique position to grow industrial hemp year round proven by the research done by UH over the past 2 years with it's pilot program. It's time to expand this program to all Hawaii's Farmers and Ag companies alike. If Hawaii is to be on the leading edge of this multi-million dollar industry the Hawaii agriculture community need to be able to grow this crop now! Expanding the growing of industrial hemp to all Hawaii will give farmers the opportunity to grow this crop and develop seed and strains that will boost our economy while helping to clean our soil and reduce our dependency on imports. The cultivation will create business off shoots in the development of Hawaii branded valued added products, and provide an environment for employment. This would support the state in maintaining the agricultural lands zoned for agriculture use. Thank you for supporting family farmers having the right to innovate and produce this valuable and versatile crop. Respectfully yours..... Neil A. McManus Waihunahuna Farm

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 6:47:10 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

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

Comments: Aloha Chair Tokuda, Chair Keith-Agaran, and honorable members of the committee, I strongly support SB2659 SD1 27 US states have already passed industrial hemp legislation. Hawaii is in a unique position to grow industrial hemp year round proven by the research done by UH over the past 2 years with it's pilot program .It's time to expand this program to all Hawaii Farmers and Ag companies alike. If Hawaii is to be on the leading edge of this multi-million dollar industry the Hawaii agriculture community needs to be able to grow this crop now! Expanding the growing of industrial hemp to all Hawaii will give farmers the opportunity to grow it and begin developing seed and strains that will boost our economy while helping to clean our soil and reduce our dependency on imports. Respectfully yours..... Neil Vonhof, Haiku, Hawaii.

Please note that testimony submitted <u>less than 24 hours prior to the hearing</u>, 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.

To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 6:44:01 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing | |
|---------------|--------------|-----------------------|-----------------------|--|
| Rexann Dubiel | Individual | Support | No | |

Comments: Please...pass this bill. Support growing industrial hemp in our state. Aloha.

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Monday, February 22, 2016 10:51:08 PM

SB2659

Submitted on: 2/22/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|-----------------|--------------|-----------------------|-----------------------|
| Richard Billman | Individual | Support | No |

Comments: Aloha Respected Senators, I strongly support SB2659 SD1 27 US states have already passed industrial hemp legislation. Hawaii is in a unique position to grow industrial hemp year-round, proven by the research done by UH over the past 2 years with its pilot program. It's time to expand this program to all Hawaii's farmers and ag companies. If Hawaii is to be on the leading edge of this multi-million dollar industry, Hawaii farmers and agriculture companies need to be able to grow this crop now! Allow all farmers of Hawaii to grow industrial hemp, develop seed and strains, and boost our economy while helping to clean our soil and reduce our dependency on imports. Respectfully yours, Richard Billman

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To: <u>JDLTestimony</u>

Cc:

Subject: *Submitted testimony for SB2659 on Feb 24, 2016 10:00AM*

Date: Tuesday, February 23, 2016 10:01:17 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------|--------------|-----------------------|-----------------------|
| Richard Rosa | Individual | Oppose | No |

Comments:

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Monday, February 22, 2016 9:28:11 PM

SB2659

Submitted on: 2/22/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------|--------------|-----------------------|-----------------------|
| sandi ioakimi | Individual | Support | No |

Comments: Aloha Respected Senators, I strongly support SB2659 SD1 27 US states have already passed industrial hemp legislation. Hawaii is in a unique position to grow industrial hemp year round proven by the research done by UH over the past 2 years with it's pilot program .It's time to expand this program to all Hawaii's Farmers and Ag companies alike. If Hawaii is to be on the leading edge of this multi-million dollar industry Hawaii farmers and Large Agriculture companies need to be able to grow this crop now! Expanding the growing of industrial hemp to all Hawaii will give farmers the opportunity to grow this crop and develop seed and strains that will boost our economy while helping to clean our soil and reduce our dependency on imports. Respectfully yours Sandi loakimi

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To: <u>JDLTestimony</u>

Cc:

Subject: *Submitted testimony for SB2659 on Feb 24, 2016 10:00AM*

Date: Tuesday, February 23, 2016 8:40:14 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

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

Comments:

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To: <u>JDLTestimony</u>
Cc: <u>legechair@gmail.com</u>

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 12:35:06 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------|--------------|-----------------------|-----------------------|
| Simon Russell | Individual | Support | No |

Comments: Aloha Chair Tokuda, Chair Keith-Agaran and Honorable Members of the Committee, Thank you for taking time to hear this important measure. As a farmer, I strongly support this measure, so that proper market research and analysis of this potentially valuable crop can move forward in Hawaii. Mahalo for leading Hawaii in the direction we need to go: sustainability, self-sufficiency and a robust production economy. Simon Russell Farmer Hali'imaile, Maui

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To: <u>JDLTestimony</u>

Cc:

Subject: *Submitted testimony for SB2659 on Feb 24, 2016 10:00AM*

Date: Tuesday, February 23, 2016 11:29:00 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing | |
|--------------|--------------|-----------------------|-----------------------|--|
| Stella Caban | Individual | Support | No | |

Comments:

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 4:23:47 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------|--------------|-----------------------|-----------------------|
| Steve Rose | Individual | Support | No |

Comments: Aloha Chair Tokuda, Chair Keith-Agaran, and honorable members of the committee, I strongly support SB2659 SD1 27 US states have already passed industrial hemp legislation. Hawaii is in a unique position to grow industrial hemp year round proven by the research done by UH over the past 2 years with it's pilot program .It's time to expand this program to all Hawaii's Farmers and Ag companies alike. If Hawaii is to be on the leading edge of this multi-million dollar industry the Hawaii agriculture community need to be able to grow this crop now! Expanding the growing of industrial hemp to all Hawaii will give farmers the opportunity to grow this crop and develop seed and strains that will boost our economy while helping to clean our soil and reduce our dependency on imports. Respectfully yours..... Steve Rose President Maui hemp Institute for Reaserch & innovation

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To: <u>JDLTestimony</u>

Cc:

Subject: *Submitted testimony for SB2659 on Feb 24, 2016 10:00AM*

Date: Tuesday, February 23, 2016 12:53:14 PM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

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

Comments:

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To: <u>JDLTestimony</u>

Cc:

Subject: *Submitted testimony for SB2659 on Feb 24, 2016 10:00AM*

Date: Tuesday, February 23, 2016 8:10:19 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|---------------|--------------|-----------------------|-----------------------|
| Susan Douglas | Individual | Support | No |

Comments:

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 7:37:49 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------|--------------|---------------------------|-----------------------|
| Tara Grace | Individual | Comments Only | No |

Comments: I support the passing of this bill.

Please note that testimony submitted <u>less than 24 hours prior to the hearing</u>, 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.

Aloha Chair Tokuda, Chair Keith-Agaran, and honorable members of the committee,

I strongly support SB2659 SD1

27 US states have already passed industrial hemp legislation. Hawaii is in a unique position to grow industrial hemp year round proven by the research done by UH over the past 2 years with it's pilot program. It's time to expand this program to all Hawaii's Farmers and Ag companies alike. If Hawaii is to be on the leading edge of this multi-million dollar industry the Hawaii agriculture community need to be able to grow this crop now!

Expanding the growing of industrial hemp to all Hawaii will give farmers the opportunity to grow this crop and develop seed and strains that will boost our economy while helping to clean our soil and reduce our dependency on imports. Industrial hemp can be especially beneficial on Maui where I live, now that HC&S is ending sugar cane planting. Industrial hemp could help rebuild and stabilize the soil, and generate significant income and employment for local farmers and added value manufacturers.

Respectfully yours,

Terry Huth Kihei, Maui, HI

To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 12:39:04 PM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

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

Comments: Aloha Chair Tokuda, Chair Keith-Agaran, and honorable members of the committee, I strongly support SB2659 SD1 27 US states have already passed industrial hemp legislation. Hawaii is in a unique position to grow industrial hemp year round proven by the research done by UH over the past 2 years with it's pilot program .It's time to expand this program to all Hawaii's Farmers and Ag companies alike. If Hawaii is to be on the leading edge of this multi-million dollar industry the Hawaii agriculture community need to be able to grow this crop now! Expanding the growing of industrial hemp to all Hawaii will give farmers the opportunity to grow this crop and develop seed and strains that will boost our economy while helping to clean our soil and reduce our dependency on imports. Respectfully yours, Thomas Craig

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To: <u>JDLTestimony</u>

Cc:

Subject: *Submitted testimony for SB2659 on Feb 24, 2016 10:00AM*

Date: Monday, February 22, 2016 5:34:32 PM

SB2659

Submitted on: 2/22/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------|--------------|-----------------------|-----------------------|
| Wilson Angel | Individual | Support | No |

Comments:

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To: <u>JDLTestimony</u>

Cc:

Subject: Submitted testimony for SB2659 on Feb 24, 2016 10:00AM

Date: Tuesday, February 23, 2016 8:51:51 AM

SB2659

Submitted on: 2/23/2016

Testimony for JDL/WAM on Feb 24, 2016 10:00AM in Conference Room 211

| Submitted By | Organization | Testifier Position | Present at Hearing |
|--------------|--------------|-----------------------|-----------------------|
| yoav | Individual | Support | No |

Comments: 27 US states have already passed industrial hemp legislation. Hawaii is in a unique position to grow industrial hemp year round proven by the research done by UH over the past 2 years with it's pilot program .It's time to expand this program to all Hawaii's Farmers and Ag companies alike. If Hawaii is to be on the leading edge of this multi-million dollar industry the Hawaii agriculture community need to be able to grow this crop now! Expanding the growing of industrial hemp to all Hawaii will give farmers the opportunity to grow this crop and develop seed and strains that will boost our economy while helping to clean our soil and reduce our dependency on imports. Respectfully yours, yoav

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