

SB 2659

DAVID Y. IGE
Governor

SHAN S. TSUTSUI
Lt. Governor



State of Hawaii
DEPARTMENT OF AGRICULTURE
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Honolulu, Hawaii 96814-2512
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SCOTT E. ENRIGHT
Chairperson, Board of Agriculture

PHYLLIS SHIMABUKURO-GEISER
Deputy to the Chairperson

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

BEFORE THE SENATE COMMITTEE ON WATER, LAND, AND AGRICULTURE

February 17, 2016
2:45 P.M.
CONFERENCE ROOM 224

**SENATE BILL NO. 2659
RELATING TO INDUSTRIAL HEMP**

Chairperson Gabbard and Members of the Committee:

Thank you for the opportunity to testify on Senate Bill No. 2659. 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. The Department of Agriculture supports the intent of this measure 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 November 1, 2016, 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 note that developing and adopting rules is a time-consuming process and the November 1, 2016 deadline may not be possible.

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 which provides what appears to similar responsibilities but minimal guidance to the Department of Agriculture.

Thank you for the opportunity to submit our testimony.

From: mailinglist@capitol.hawaii.gov
To: [WLA Testimony](#)
Cc: suellen@maui.net
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 08, 2016 6:26:07 PM

SB2659

Submitted on: 2/8/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

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

Comments: Hemp seems to be a natural choice for the islands - it's a quick cash crop with abundant uses & therefore, the market is ready

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UNIVERSITY OF HAWAII SYSTEM

Legislative Testimony

Written Testimony Presented Before the
Senate Committee on Water, Land, and Agriculture
Wednesday, February 17, 2016 at 2:45 pm

By

Robert Bley-Vroman, Chancellor

And

Maria Gallo, Dean

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

SB 2659 – RELATING TO INDUSTRIAL HEMP

Chair Gabbard, Vice Chair Nishihara, and members of the Senate Committee on Water, Land, and Agriculture, thank you for the opportunity to testify in support of SB 2659, 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; and appropriates funds for Department of Agriculture staff to assist in registration of industrial hemp licensees.

The University of Hawai'i strongly supports economic development of the agricultural sector, including research and development efforts with new crops and cropping systems in order to strengthen and diversify agriculture in the State of Hawai'i. As authorized by the Hawai'i State Legislature, and by the federal Farm Bill, the College of Tropical Agriculture and Human Resources, University of Hawai'i at Mānoa, 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.

SB 2659 builds upon this pilot study to allow additional industrial hemp research throughout the state, by parties under license and direction by the Hawai'i Department of Agriculture. Although we defer to the Department of Agriculture on the fiscal and management implications of SB 2659, we support the intent to develop a new crop for Hawai'i.

From: mailinglist@capitol.hawaii.gov
To: [WLA Testimony](#)
Cc: mmmmahalo2000@aol.com
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 15, 2016 4:33:00 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Mike Moran	Kihei Community Association	Support	No

Comments: Aloha, Please support. Our all volunteer non profit community organization www.gokihei.org asks for your support, as we are facing a huge expanse of Ag land for 2017 with the close of the sugar plantation, much of which is in our area of S Maui. Getting this bill approved may allow , as other needs fall into place, at least some of this huge expanse to be filled with this crop, helping to heal this depleted soil. Mahalo. Mike Moran for KCA

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Cc: amara@mindspring.com
Subject: *Submitted testimony for SB2659 on Feb 17, 2016 14:45PM*
Date: Sunday, February 14, 2016 1:11:32 PM

SB2659

Submitted on: 2/14/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Amara Karuna	Laakea community LLC	Support	No

Comments:

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Dedicated to safe, responsible, humane and effective drug policies since 1993

TO: Senate Committee on Land, Water & Agriculture
FROM: Carl Bergquist, Executive Director
HEARING DATE: 17 February 2016, 2:45PM
RE: SB2659, Relating to Industrial Hemp, **STRONG SUPPORT**

Dear Chair Gabbard and Vice Chair Nishihara:

The Drug Policy Forum of Hawai'i (DPFHI) **strongly supports** this measure to continue the work started with Act 56 (2014) to remove hemp from its surreal spot on the failed War on Drugs' black list, and to return it to the fields of our country. Hawai'i is uniquely placed to be a major producer of industrial hemp, and this legislation creates a pilot program that will eventually hopefully lead to our farmers being allowed to grow in the 21st Century what both George Washington and Thomas Jefferson grew in the 18th Century.

Hawai'i has many allies in this return to normalcy as some 24 states define "industrial hemp" to be distinct from other strains of cannabis, while over 34 states and territories have some form of hemp-promoting laws. Many countries, including our neighbors in Canada, actively participate in what will soon be a billion dollar global industry. The federal government, in particular the Drug Enforcement Administration, continues to prevaricate regarding industrial hemp, so it is essential that the states send a clear message that this is an agricultural product, and that it is one that we want to go.

We are also in strong support of the related SB2787, which would legalize hemp and promote research.

Mahalo for the opportunity to testify.

From: mailinglist@capitol.hawaii.gov
To: [WLA Testimony](#)
Cc: fosters005@hawaii.rr.com
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 15, 2016 3:23:37 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Scott Foster	Hawaii Advocaates For Consumer Rights	Support	No

Comments: Hemp is the ideal money crop for Hawaii currently unused ag lands and it would creat an entire new industry. Please support this bill and the concept.

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Cc: henry.lifeoftheland@gmail.com
Subject: *Submitted testimony for SB2659 on Feb 17, 2016 14:45PM*
Date: Monday, February 15, 2016 1:04:40 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Henry Curtis	Life of the Land	Support	No

Comments:

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Cc: mark@marksheehan.com
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 15, 2016 9:17:37 AM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Mark Sheehan	Haiku Aina Permaculture Initiative	Support	No

Comments: With the end of sugar announced by HC&S, it is imperative that we develop new crops that can serve multiple purposes on these IALs. Hemp is such a crop. It can help clean up pesticides, be used for fuel and fiber. Please pass this bill.

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Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 15, 2016 4:48:47 AM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Phyllis Robinson	Maui Farmers Union United	Support	No

Comments: I sincerely hope that all hemp bills be passed allowing any differences we worked out together to create a bill that allows even small farmers to grow hemp for its many uses and potential for farm income and soil remediation. This is especially true here on Maui now that we know that Hawaii commercial and sugar has turned down the single MOA in the state.

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To: [WLA Testimony](#)
Cc: rkailianu57@gmail.com
Subject: *Submitted testimony for SB2659 on Feb 17, 2016 14:45PM*
Date: Tuesday, February 09, 2016 10:24:44 PM

SB2659

Submitted on: 2/9/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Rachel L. Kailianu	Ho`omana Pono, LLC	Support	Yes

Comments:

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Subject: *Submitted testimony for SB2659 on Feb 17, 2016 14:45PM*
Date: Tuesday, February 16, 2016 10:35:18 PM

SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Randy Cabral	Hawaii Farm Bureau	Support	Yes

Comments:

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Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Tuesday, February 09, 2016 8:18:09 AM

SB2659

Submitted on: 2/9/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

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

Comments: We need this in Maui County. Converting sugar cane land to hemp is something that will benefit the whole county and keep hundreds of HC&S workers employed. If I works here it can work on other fallow lands in the state.
Enthusiastically support! Sydney Smith Maui Coffee Association, president Ag Working Group, Maui County

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Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 08, 2016 11:49:15 AM

SB2659

Submitted on: 2/8/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Vince Kana`i Dodge	`Ai Pohaku	Support	No

Comments: Aloha Legislators, We fully support SB2659. Growing hemp is good for the soil and many usefully products are made from industrial hemp. Please also support small businesses that will turn the hemp into value added products for sale. aloha nui!

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Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 15, 2016 1:07:06 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Randyl Rugar	Sanctuary of Mana Ke`a Gardens	Support	No

Comments: Aloha Respected Senators, I strongly support SB2659 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 Randyl Rugar

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Cc: wao-hsl@WeAreOne.cc
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 15, 2016 12:54:14 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Joseph Kohn MD	We Are One, Inc. - www.WeAreOne.cc - WAO	Support	No

Comments: We strongly support SB2659 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.

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Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 15, 2016 10:50:45 AM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
nancy campbell-kowardy	Soul Role	Support	No

Comments: Aloha, I have a small business producing sustainable fiber apparel and home goods on the Island of Hawaii. Hemp fiber is one of the best materials to use in so many products! It is ridiculous that I have to buy hemp fabrics produced in other countries when Hawaii would be the perfect environment to grow hemp year round. Hemp is easy to grow without the use of toxic chemical which would make it a much more beneficial crop to grow for preserving the aina. Growing hemp actually is good for the soil so would be perfect to replace sugar cane which has taken so much from the soil. Industrial hemp would be a boon to our local economy. There is no legitimate reason why growing hemp is still prohibited. Mahalo nui loa, Nancy Campbell Kowardy

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Cc: Fredrick@TheGardens.Org
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 15, 2016 5:35:15 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Fredrick Honig	The Spirit of Aloha Botanical Gardens	Support	No

Comments: As a Botanical Garden, we support the Growth of Hemp on Maui. It is a very useful plant that would help make Maui self sufficient. We would like to see a Hemp clothing industry on Maui. Hemp seeds also have great health benefits.
Respectly Submitted, Fredrick Honig

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Subject: *Submitted testimony for SB2659 on Feb 17, 2016 14:45PM*
Date: Monday, February 15, 2016 4:00:06 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Joy Nelson	Nellie's Rentals	Support	No

Comments:

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Cc: Alana.Ross@hotmail.com
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Tuesday, February 09, 2016 3:22:37 PM

SB2659

Submitted on: 2/9/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
AlanaRoss	Individual	Support	No

Comments: Hemp can support our state monetarily. This is the strongest natural fiber. The Constitution was written on Hemp paper. Let's bring this back and be the for-runners, ahead of the curve and support the re-growth of this amazing fiber! Hawaii has the best environment to grow this plant and we can revitalize the economy and create jobs where lost in the sugar cane industry. Lets grow Hemp and create a win win situation for All. Please support this bill SB2659. Mahalo! Alana Ross from Hana

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Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Tuesday, February 16, 2016 8:30:56 AM

SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Albert Sikirdji	Individual	Support	No

Comments: Aloha Respected Senators, I strongly support SB2659 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 Albert J Sikirdji

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Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Tuesday, February 16, 2016 10:39:14 AM

SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

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

Comments: Aloha Respected Senators, I strongly support SB2659 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, Amber long

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Cc: amie.stokes@mauicounty.us
Subject: *Submitted testimony for SB2659 on Feb 17, 2016 14:45PM*
Date: Tuesday, February 16, 2016 1:59:57 PM

SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Amie M. Stokes	Individual	Support	No

Comments:

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Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 15, 2016 1:10:56 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Andrew Rice	Individual	Support	No

Comments: Aloha Respected Senators, I strongly support SB2659 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, Andrew Rice

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Cc: mauimagic5711@hotmail.com
Subject: *Submitted testimony for SB2659 on Feb 17, 2016 14:45PM*
Date: Sunday, February 14, 2016 4:35:28 PM

SB2659

Submitted on: 2/14/2016

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Submitted By	Organization	Testifier Position	Present at Hearing
Ann Evans	Individual	Support	No

Comments:

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2/16/2016

Dear Senators:

I am a resident in Hawaii since 1989. I strongly support SB 2659 for the expansion of industrial hemp in Hawaii. No other crop possesses such a diversity of uses: such as biofuel feedstock, apparel, industrial textiles, paper, building materials, foods, industrial products, abrasive chemicals and personal hygiene products. Hemp has the ability to cleanse the soil; a property useful for former sugar cane soil. It requires almost no fertilizers and no pesticides or herbicides. It uses far less water than sugar cane or other crops. In fact, it uses one third water compared to cotton. I agree with Kaniela Ing that the time is now to expand hemp in Hawaii. It would do work wonders for Hawaii's struggling agriculture industry, as well as serve as an exemplary model for other state's agriculture industries

Sincerely,

Ann Pitcaithley, Wailuku , Hawaii

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Cc: anne.rice@mac.com
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SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Anne Rice	Individual	Support	No

Comments: Aloha Respected Senators, I strongly support SB2659 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 Anne Rice

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To: [WLA Testimony](#)
Cc: arnoldkotler@aol.com
Subject: *Submitted testimony for SB2659 on Feb 17, 2016 14:45PM*
Date: Monday, February 15, 2016 1:02:19 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Arnold Kotler	Individual	Support	No

Comments:

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Date: Monday, February 08, 2016 2:37:20 PM

SB2659

Submitted on: 2/8/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Astrid Watanabe	Individual	Support	No

Comments: Hemp is a wonderful plant, useful in many ways. There is no valid reason not to grow it.

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Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Tuesday, February 16, 2016 7:53:56 AM

SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Audrey Quinn	Individual	Support	No

Comments: Aloha. I am strongly in support of sb2659. The research completed by university of Hawaii provides verification that the agricultural conditions are ideal. This project is indeed timely given the recent announcement of hcs closing by years end as well as the need for the state to reduce its dependency on tourism and imports. Thank you for your consideration of this important bill Respectfully. Audrey quinn

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Cc: begoniabarry@gmail.com
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 08, 2016 1:51:10 PM

SB2659

Submitted on: 2/8/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

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

Comments: I totally support this bill. Let's get growing non GE hemp! Mahalo,

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Cc: lindsayrosow@yahoo.com
Subject: *Submitted testimony for SB2659 on Feb 17, 2016 14:45PM*
Date: Tuesday, February 16, 2016 11:24:49 AM

SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

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

Comments:

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Date: Wednesday, February 10, 2016 2:27:29 AM

SB2659

Submitted on: 2/10/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Ben Hambright	Individual	Support	No

Comments:

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Date: Monday, February 15, 2016 10:16:07 AM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Bonnie Marsh	Individual	Support	No

Comments: Without your support industrial hemp won't be expanded from the current (1) pilot program that ends July 2016. Industrial hemp is so important for cleaning up pesticide laden soils, providing farming jobs and boosting the economy and sustainability of the Hawaiian Islands. Mahalo for your support.

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Cc: bryanbrey@gmail.com
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Sunday, February 14, 2016 6:49:50 PM

SB2659

Submitted on: 2/14/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Bryan Brey	Individual	Support	No

Comments: 27 States already passed hemp initiatives. Hawaii has year round growing cycle. Opportunity to increase local economy.

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Cc: carolinesdelano@aol.com
Subject: *Submitted testimony for SB2659 on Feb 17, 2016 14:45PM*
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SB2659

Submitted on: 2/14/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Caroline Delano	Individual	Support	No

Comments:

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Cc: cprice17@school.org
Subject: *Submitted testimony for SB2659 on Feb 17, 2016 14:45PM*
Date: Wednesday, February 17, 2016 7:26:02 AM

SB2659

Submitted on: 2/17/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Carolyn Price	Individual	Support	No

Comments:

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Cc: cassandra_fraser@hotmail.com
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 15, 2016 9:34:57 AM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Cassandra Fraser	Individual	Support	No

Comments: Aloha, I am a horticulturist and my family and I are strong supporters of the Hemp Bills, and of hemp, for many reasons: 1. Hemp is historically one of the most valuable textiles known due to it's strength and versatility. It was mandated to be grown by farmers during the first and second World Wars. 2. Hemp can be made into plastic type products including car bodies (ref:Henry Ford) 3. Hemp grows easily with no need for pesticides or non- organic fertilizers 4. Hemp will help Hawai'i become self sustaining both through the growing of it and the production of hemp products, and will create many jobs in the various levels of it's production and use. 5. Hemp provides excellent coverage and soil recovery for the present inert soil medium left behind from the production of sugar and pineapple. 6. The jobs provided by hemp growing and manufacture will allow my sons to work and live here where they were born instead of having to go the mainland to work. We request that a committee is created to do research on hemp and hem growing to verify these facts if this has not been done already. Mahalo nui for your kokua in passing these important bills. The Fraser/ Breaux family, Haiku

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SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Christina Fisher	Individual	Support	No

Comments: I storngly support passage of this bill.

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Cc: info@courtneybruch.com
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Sunday, February 14, 2016 4:33:15 PM

SB2659

Submitted on: 2/14/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Courtney Bruch	Individual	Support	No

Comments: HEMP~Testimony needed now for Senate Industrial Hemp Bill SB2659
This bill supports opening up industrial hemp farming to all of Hawaii! Aloha
Respected Senators, I strongly support SB2659 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 Courtney

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Date: Tuesday, February 16, 2016 4:59:25 PM

SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
D Brothers	Individual	Comments Only	No

Comments: Hemp is the smart and responsible way to go to restore & cleanse the soil while providing jobs, food, and building materials which do not need to be shipped to Maui. Self-sufficiency and sustainability are necessary goals for our island home.

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Cc: livinglove808@gmail.com
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 15, 2016 6:03:34 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Darrell Wilson	Individual	Support	No

Comments: I am very interested in supporting the use of industrial Hemp in Hawaii we have been holding back progress on a very useful crop that could help boost the economy of Hawaii and poses no know risks to the population. Where as GMO's pose serious risks and we have no prohibition on those crops. It is important that we move forward with what science has taught us and disregard the corporate lobbyist who would hold back from real progress.

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Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Wednesday, February 10, 2016 2:06:03 PM

SB2659

Submitted on: 2/10/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Dave Kisor	Individual	Support	No

Comments: I cannot say enough about the benefits of industrial hemp. It is not a class one drug, as the DEA wants desperately to believe, but since it does compete very favorably with fuels, fabric, paper, building materials and food, those industries will fight it tooth and nail. If only they would use it instead of their current resources, the planet would be much better off. If you are worried about marijuana being grown in the crop, European and Canadian growers have figured that out a long time ago and would share that knowledge. Now that sugar is no longer a viable crop, it needs to be replaced with hemp. It would definitely help the economy.

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David Atcheson
1212 Nuuanu Ave #906
Honolulu, HI 96817
atchesond@gmail.com

February 14, 2016

Dear Senators:

I strongly support SB2659, relating to industrial hemp, and thank the introducers of the bill for their foresight. Please vote to approve it.

Hemp is such a promising crop because of its many yields – not only diverse products including food, textiles, and building materials but also its beneficial effects on the soil. There is great potential in the islands to develop an industrial hemp enterprise ecosystem that creates jobs and builds economic and environmental resiliency. The pilot program has been a great success and now it's time to expand it statewide. Let's make it happen as expeditiously as possible to provide the greatest competitive advantage to hemp enterprises in the islands.

Sincerely,

David Atcheson

From: mailinglist@capitol.hawaii.gov
To: [WLA Testimony](#)
Cc: cindyalbury@hotmail.com
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Tuesday, February 16, 2016 12:32:45 PM

SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Cynthia Albury	Individual	Support	No

Comments: Aloha Respected Senators, I strongly support SB2659 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. Expanding the growing of industrial hemp to all Hawaii's Farmers and Ag companies alike will boost our economy while helping clean our soil and reduce our dependency on imports. Hawaii can be on the leading edge of this multi-million dollar industry if Hawaii farmers and Large Agriculture companies can grow this crop now! According to a paper published last year by the US Congressional Research Service and written by agricultural policy specialist Renée Johnson entitled Hemp as an Agricultural Commodity: "Some estimate that the global market for hemp consists of more than 25,000 products in nine submarkets: agriculture; textiles; recycling; automotive; furniture; food/nutrition/beverages; paper; construction materials; and personal care." Clearly, hemp can help heal Hawaii in a number of ways. Please make this happen.
Respectfully yours Cynthia Albury

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Date: Monday, February 15, 2016 10:33:26 AM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
David A Mangel	Individual	Comments Only	No

Comments: This measure will encourage agricultural and entrepreneurial ventures that will be good for the people and the State. Please, let's get this going!

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Date: Tuesday, February 16, 2016 6:21:04 PM

SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Dawn Matney	Individual	Support	No

Comments: Aloha Respected Senators, I strongly support SB2659 Hemp can not only become a new crop for Hawaii to replace sugarcane but can also remediate the soil. Dr. Ilya Raskin of Rutgers University's Biotechnology Center for Agriculture and the Environment, who was a member of the original task force sent by the IAEA to examine food safety at the Chernobyl site figured out that through phytoremediation utilizing hemp, among other plants, the soil, and thus the food supply could be saved from toxicity. Phytoremediation is the process whereby green plants remove toxins from the soil. Plants can extract specific elements within their ecosystem and still thrive. They accumulate the toxins in their tissues and root systems but remain undamaged. Sunflowers have been known to do something similar for centuries, eliminating heavy metals and pesticides from damaged soil. Two members of the mustard family are also useful for this process – Brassica juncea and Brassica carinata, but it seems hemp is quite amazing at sucking up radiation. 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. Sincerely, Dawn Matney Maui Hawaii

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SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Dawn Wack	Individual	Support	No

Comments:

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SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
DEBORAH HOOPINGARNER	Individual	Support	No

Comments: Aloha Respected Senators, I strongly support SB2659. This is especially important right NOW with the closing of the sugar industry on Maui and that it is such a viable resource to the workers as well as the 'aina. 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 DeBorah Hoopingarner 808-298-3553

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Date: Tuesday, February 16, 2016 12:39:04 PM

SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Debra	Individual	Support	No

Comments: I strongly support SB2659 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, Debra Greene Kihei, Maui

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SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

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

Comments: Aloha Respected Senators, I am in STRONG support of SB2659 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 in 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 Hawai'i 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 will allow farmers, current businesses and budding entrepreneurs alike grow and 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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Subject: *Submitted testimony for SB2659 on Feb 17, 2016 14:45PM*
Date: Monday, February 08, 2016 12:18:45 PM

SB2659

Submitted on: 2/8/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

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

Comments:

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Cc: info@beyondorganicresearch.com
Subject: *Submitted testimony for SB2659 on Feb 17, 2016 14:45PM*
Date: Monday, February 08, 2016 10:21:50 PM

SB2659

Submitted on: 2/8/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Dr. Jana Bogs	Individual	Support	No

Comments:

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SB2659

Submitted on: 2/8/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Dylan Armstrong	Individual	Support	No

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Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 15, 2016 2:17:29 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Elijah Ariel	Individual	Support	No

Comments: Please stop fighting against what is good for Hawaii. It's time to do the right things for Hawaii rather than what special interests want done here. Thanks

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Subject: *Submitted testimony for SB2659 on Feb 17, 2016 14:45PM*
Date: Tuesday, February 16, 2016 5:08:26 PM

SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Emily Kandagawa	Individual	Support	No

Comments:

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Date: Monday, February 15, 2016 6:54:31 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Faith Chase	Individual	Support	Yes

Comments: There has been a massive shift of understanding this year. The scientific and economical facts are positive and the possibilities enormous for Hawaii agriculture. I am proud of the discussions by legislators, agencies and skeptics that first questioned the value of industrial hemp. Hawaii is on its way to greatness, thank you for supporting this measure to bring us closer to being in a strong agriculture competitive position. Respectfully, Faith Chase

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SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
francis	Individual	Support	No

Comments: all of my study and everything i have learned about industrial hemp has led me to believe that it must be legally divorced from any association with 'marijuana'. more importantly it is our best resource for fiber oil and feed product as well as soil remediation from the devastation of industrial agriculture. the Biosphere of our islands demands a dedicated state wide program of reforestation combined with comprehensive rain and groundwater conservation. i have no doubt that Hemp will prove to be our most valuable ally in restoring the biological integrity of our Aina.

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SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Gabriel Donihi	Individual	Support	No

Comments: Aloha Respected Senators, I strongly support SB2659 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, Gabriel Donihi

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Date: Tuesday, February 16, 2016 11:45:16 AM

SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Gail Dornstreich	Individual	Support	No

Comments: The passing of this Bill will gain jobs, remove the stigma from 'hemp' and provide Hawaii with a long lasting crop that does not destroy our soil, pollute our air or require poisonous pesticides that threaten our health and it protects agricultural land. Please pass this bill for the benefit of all residents of Hawaii.

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From: [Charlotte Farmer](#)
To: [WLA Testimony](#)
Subject: Testimony for SB2659: In Support
Date: Tuesday, February 16, 2016 3:27:56 PM

Please see testimony below for SB2659 (relating to Industrial Hemp) submitted by Dr. Harry Ako, retired UH Professor who was in charge of the University of Hawaii hemp project. His email is hako@hawaii.edu. He will not be attending the hearing.

Research has been done on industrial hemp. Getting permits from the DEA to work on this plant remains difficult as it is still classified as a Schedule 1 narcotic according to their rules. Last time, it required 11 months to import seeds for research. My name is Harry Ako and I am a retired professor. I did the original work on industrial hemp. I believe that now is the time for the research results and hard won permitting to be moved forward to the farmers. I am therefore in strong support of this bill

*Charlotte Farmer
Office Manager
Representative Cynthia Thielen
Assistant Minority Floor Leader
50th District (Kailua, Kaneohe Bay)*

*Hawai'i State Capitol
415 S. Beretania St., Room 443
Phone: (808) 586-6480
Fax: (808) 586-6481*

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To: [WLA Testimony](#)
Cc: davidsonorganics@gmail.com
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Tuesday, February 16, 2016 7:18:11 AM

SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Ian Davidson	Individual	Support	No

Comments: As an agricultural professional working in Maui county, I strongly support this bill.

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Date: Tuesday, February 16, 2016 1:11:00 AM

SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
James Long	Individual	Support	No

Comments: I am writing in strong support of SB2659 and humbly encourage you to pass this bill. Industrial hemp should be grown for every good reason. The range of products that can be made from hemp is vast...from durable building materials to clothing and textiles, from a rich source of edible protein to motor oils. Its growth and the subsequent production of materials can directly aid us on our path to sustainability. Industrial hemp in the field has natural pesticide qualities and also requires no herbicide ues during its growth. It can also help tremendously to remediate contaminated soils. 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. Thank you for your consideration.
Respectfully, James Long

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Date: Sunday, February 14, 2016 11:27:38 AM

SB2659

Submitted on: 2/14/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
JASON D. GROODE	Individual	Support	No

Comments: Aloha Respected Senators, I strongly support SB2659 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 Jason D. Groode

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SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
jesse brill	Individual	Comments Only	No

Comments: Now that the cane fields will be available, the Hemp issue is so important that I am lending my support. Hamp is the ideal solution for Maui's cane field development--and it will avoid the use of pesticides and herbicides. Jesse M Brill

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Date: Monday, February 15, 2016 11:00:47 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Jessica Oliveira	Individual	Support	No

Comments: Aloha Respected Senators, I strongly support SB2659 and urge you to as well. 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, Jessica Oliveira

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SB2659

Submitted on: 2/14/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Joel McDonald	Individual	Comments Only	No

Comments: Hemp is an incredibly useful plant – the US Founding Fathers grew it! The Government has no right to hold back the people from using a gift of Nature. We know "reefer madness" was just propaganda. No one has ever been recorded to have died from marijuana. Please legalize hemp so we can use it for clothes, reap, textiles and many other things.

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SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Jonathan Boyne	Individual	Support	No

Comments: Aloha Respected Senators, I strongly support SB2659 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 Jonathan Boyne

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SB2659

Submitted on: 2/14/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
John Fitzpatrick	Individual	Support	No

Comments: Aloha Respected Senators, I strongly support SB2659 because it is time to rise to the challenge of today by harnessing the power of industrial hemp. Lets be a leader in this industry! 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 John Fitzpatrick

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SB2659

Submitted on: 2/14/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
John Gelert	Individual	Support	No

Comments: Industrial hemp has many benefits including omega-3 rich food, fibers for clothing and building materials, oil for fuel, plastics, etc. It uses less water than sugarcane and uses no pesticides. It can cleanup the soil from years of abuse before planting organic food.

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SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
John NAYLOR	Individual	Support	No

Comments: Industrial hemp is a No Brainer for keeping Hawaii's AG land in Ag!

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SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Jonathan Conrad	Individual	Support	No

Comments: Aloha Respected Senators, I strongly support SB2659 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. Expanding the growing of industrial hemp to all Hawaii's Farmers and Ag companies alike will boost our economy while helping clean our soil and reduce our dependency on imports. Hawaii can be on the leading edge of this multi-million dollar industry if Hawaii farmers and Large Agriculture companies can grow this crop now! According to a paper published last year by the US Congressional Research Service and written by agricultural policy specialist Renée Johnson entitled Hemp as an Agricultural Commodity: "Some estimate that the global market for hemp consists of more than 25,000 products in nine submarkets: agriculture; textiles; recycling; automotive; furniture; food/nutrition/beverages; paper; construction materials; and personal care." Please make this happen. Respectfully yours Jonathan Conrad

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SB2659

Submitted on: 2/11/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Joseph Dunsmoor	Individual	Comments Only	No

Comments: Growing hemp for food and fiber should not be illegal. It is an important food source Why is it illegal? Licensees? Why? Stand up leaders of Hawaii, heart, compassion and common sense

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SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Juan Giliberto	Individual	Support	No

Comments: Aloha Respected Senators, I strongly support SB2659 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 Juan Giliberto

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SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Ka'Haiya Sophia	Individual	Support	No

Comments: Aloha Respected Senators, I strongly support SB2659 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 Ka'Haiya Sophia

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SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

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

Comments: Aloha Respected Senators, I strongly support SB2659 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, Karen Reid

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SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Karin	Individual	Support	No

Comments:

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Aloha Respected Senators,

I strongly support SB2659

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
Katharine Morgan
Kihei, HI

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Cc: kathyrossmaui@gmail.com
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
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SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
kathy ross	Individual	Comments Only	No

Comments: Please support his bill. With A&B now declaring the end of sugar production it is important to have alternative agricultural crops. Hemp will regenerate the poor soil and allow farmers to grow diverse crops. On Maui, so many acres of sugar cane need to be replaced with some crop that is good for the soil and NOT GMO products that use terrible pesticides that hurt human health. Please support this bill. Many Mahalos - Kathy

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Date: Monday, February 15, 2016 11:12:03 AM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

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

Comments: Your support for this bill is support for sustainable agriculture, economic opportunity and a healthy environment!

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From: mailinglist@capitol.hawaii.gov
To: [WLA Testimony](#)
Cc: kstover@maui.net
Subject: *Submitted testimony for SB2659 on Feb 17, 2016 14:45PM*
Date: Monday, February 15, 2016 4:01:30 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Ken Stover	Individual	Support	No

Comments:

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From: mailinglist@capitol.hawaii.gov
To: [WLA Testimony](#)
Cc: OccupyHiloMedia@yahoo.com
Subject: *Submitted testimony for SB2659 on Feb 17, 2016 14:45PM*
Date: Monday, February 15, 2016 4:09:24 AM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Kerri Marks	Individual	Support	No

Comments:

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Cc: kalangley@gmail.com
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 15, 2016 5:54:54 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Kim Langley	Individual	Support	No

Comments: I support this SB2659 because industrial hemp is a viable crop that should be legal and an option to all farmers.

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Cc: Salinasckl@gmail.com
Subject: *Submitted testimony for SB2659 on Feb 17, 2016 14:45PM*
Date: Sunday, February 14, 2016 7:51:58 AM

SB2659

Submitted on: 2/14/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Kimberly crawford	Individual	Support	No

Comments:

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To: [WLA Testimony](#)
Cc: kristenmartinek@gmail.com
Subject: *Submitted testimony for SB2659 on Feb 17, 2016 14:45PM*
Date: Tuesday, February 09, 2016 8:27:28 AM

SB2659

Submitted on: 2/9/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

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

Comments:

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Cc: lalela9@gmail.com
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 15, 2016 6:36:50 AM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
laurel white	Individual	Comments Only	No

Comments: Aloha Respected Senators, I strongly support SB2659 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 Laurel White

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Aloha Respected Senators,

I strongly support SB2659

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

Levie Yamazaki-Gray,

Molokai

From: mailinglist@capitol.hawaii.gov
To: [WLA Testimony](#)
Cc: lisa.m.galloway@gmail.com
Subject: *Submitted testimony for SB2659 on Feb 17, 2016 14:45PM*
Date: Sunday, February 14, 2016 12:25:35 PM

SB2659

Submitted on: 2/14/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Lisa Galloway, PhD	Individual	Support	No

Comments:

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Cc: marie.janiszewski@gmail.com
Subject: *Submitted testimony for SB2659 on Feb 17, 2016 14:45PM*
Date: Tuesday, February 09, 2016 7:16:27 AM

SB2659

Submitted on: 2/9/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

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

Comments:

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Cc: mryan603@hawaii.edu
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 15, 2016 4:37:28 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Mark Ryan	Individual	Support	No

Comments: Aloha Respected Senators, I strongly support SB2659. 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 is 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 immediately. 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 Hawaii's economy while both helping to clean our soil and reducing our dependency on imports. They say that hemp is a crop with 10,000 uses. This means that there are 10,000 opportunities for your constituents to interact positively and benefit from this cash crop. Please don't siphon us into missing out on even one of those opportunities, that's a loss that Hawaii simply cannot afford. Respectfully yours
Mark Ryan

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Cc: mary@mauivortex.com
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Tuesday, February 16, 2016 7:59:54 PM

SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

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

Comments: Aloha Honorable Senators, I SUPPORT SB2659 because it is commonsense to grow hemp because it has many uses, as food, building materials, energy, detoxifying the land, etc. Maui especially needs new agricultural businesses to replace 36,000 acres of sugarcane. Mahalo for your kind consideration and SUPPORT of this important bill. Mary Overbay Puunene, HI

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To: [WLA Testimony](#)
Cc: mike@nationalhempassociation.org
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 15, 2016 12:28:56 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Michael Bowman	Individual	Comments Only	No

Comments: Feb. 15, 2016 Dear Committee, As Chairman of the Board of the National Hemp Association, and as someone who has been no stranger to Hawaii, we offer our support for SB2659. On this Presidents Day 2016 I believe it's worthy to mention that our own George Washington grew hemp at Mt. Vernon; the fiber, hurd and proteins produced by the plant were critical resources as we established our fledgling democracy. In fact, the hemp plant can be traced back 12,000 yrs as the oldest-known cultivated plant. It's been only the last 80 years of Prohibition in the United States that the plant has not played a role in our national commerce. Today, the United States is the only G7 country to prohibit its cultivation, while at the same time our nation represents the largest consumer market in the world for its products. As Colorado native, I have watched the industrial hemp industry emerge since our legalization of the plant in 2012. Just last year we permitted over 3,000 acres to be grown in our state. As a fifth-generation farmer myself, I've never known a time in my adult life where I have seen such optimism and vision being applied by the introduction of a new crop. With over 25,000 known uses for the plant components, we are only limited by our imagination. Hawaii offers many unique opportunities to lead this national movement. Reintroducing this crop offers us not only the opportunity to create new, sustainable jobs - but to address the many resource challenges we face with our current cropping portfolio. Since Colorado's legalization of industrial hemp in four years ago, 27 states have followed our lead in passing legislation authorizing its cultivation either under section 7606 of the Farm Bill - or full scale, commercial operations. As you all know, this movement has been in conflict with federal law. This movement has also been a shining example of the best of how our Republic works. Even in light of the conflict, the Obama Administration has given significant leeway to develop the industry in states where a transparent, rigid license and registration framework operates. In parallel with the leadership shown by the 27 states, S.134 and H.R.525 have been introduced in Congress. Those bills are known as "The Industrial Hemp Farming Act" which would remove industrial hemp from Schedule 1 and give jurisdiction to its cultivation back to USDA. Senator Schatz is a co-sponsor on S.134, Congressman Gabbard is one of 65 co-sponsors in the House of Representatives. The National Hemp Association is funding the Capitol Hill effort to see these bills get their due committee hearings and sent to their respective floors for debate and passage. Speaking not only as the Board Chair of the National Hemp

Association, but as an individual with deep roots in agriculture, please consider the tremendous opportunity before you. Together we can create a very bright future for our fellow man, communities, states and nation. Mahalo, Michael Bowman Chairman of the Board, National Hemp Association 303-570-9277
mike@nationalhempassociation.org

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Cc: michaeljd.maui@gmail.com
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 15, 2016 9:20:55 AM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

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

Comments: Aloha Respected Senators, I strongly support SB2659 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 Michael Dawson

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Cc: mrgach@att.net
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 15, 2016 3:41:32 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

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

Comments: I am writing to urge you to support the Industrial Hemp Bill SB2659. Industrial Hemp, which is completely different properties and chemistry than marijuana, has been used successfully used for food, pest and mold resistant building supplies, fuel, paper and clothing. The Declaration of Independence was drafted on hemp paper. Drought and pest resistant hemp revitalizes and detoxes soil. SUSTAINABILITY IN HAWAII: Hemp produces 4 times the raw material than trees for paper making. Hemp can be planted between 1-3 times a season, depending on location and can be recycled up to 10 times, compared to 3 or 4 for wood pulp paper. The same fibre products that the hemp harvest produces also provides raw-materials for a host of other sustainable products. I believe Industrial Hemp can be one of our major answers to self-sustainability. It can now make Hawaii more independent from imports and vital economically. In Hawaii, 80% of our resources are shipped in. Industrial Hemp is a healthy alternative to reduce or eliminate the need for Pesticides on our islands and to save water. This hardy, healthy crop benefits the well being of our Ohana and Aina. Please support industrial hemp bill SB2659. Michael Gach, Ph.D. P.O. Box 1808 Kihei, HI 96753

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February 15, 2016

Aloha Respected Senators,

I strongly support SB2659

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 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

Mila Salvador

damauchic13@yahoo.com

From: mailinglist@capitol.hawaii.gov
To: [WLA Testimony](#)
Cc: morningstaronmaui@yahoo.com
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 15, 2016 8:48:02 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
morningstar peake	Individual	Support	No

Comments: Aloha Respected Senators, I strongly support SB2659 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, Morningstar Peake

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Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Tuesday, February 16, 2016 10:47:13 AM

SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Mr Gary Passon	Individual	Support	No

Comments: Please support... important for Hawaii

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Cc: nami.nielipinski@gmail.com
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Tuesday, February 16, 2016 1:44:17 PM

SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Nami Nielipinski	Individual	Comments Only	No

Comments: Thank you Senator Gabbard for introducing this wonderful bill to pilot industrial hemp growing here on Oahu. My name is Nami Nielipinski, writing in to show strong support!!! I believe that the future of our island is agriculture, agroforestry and backyard gardening. As our weather patterns become more and more unstable, we need to stuard extremely durable plant varieties which will grow in varied climate. The application of industry hemp is almost limitless. My favorite is the hemp a brick which can be used for building material as well as fireproof insulation. At this rate, global weather will get too unstable for trade to continue as is, ships will stop coming in, we will have to be more or less self reliant here in the middle of the Pacific. Hemp is the most versitile and easy-to-grow food & non food crop in the world. Hemp seed is very nitricious, we can make cloths, etc. We should've started this program 20 years ago!

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To: [WLA Testimony](#)
Cc: neil.vonhof@gmail.com
Subject: *Submitted testimony for SB2659 on Feb 17, 2016 14:45PM*
Date: Monday, February 08, 2016 10:50:40 AM

SB2659

Submitted on: 2/8/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

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

Comments:

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Date: Monday, February 15, 2016 3:36:02 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Raphiell Nolin	Individual	Support	No

Comments:

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Cc: rfatheree@yahoo.com
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 15, 2016 10:02:38 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Ray Fatheree	Individual	Support	No

Comments: Aloha Respected Senators, I strongly support SB2659 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 Ray Fatherer

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Cc: raymondmoline@gmail.com
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Tuesday, February 16, 2016 8:52:53 AM

SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Raymond Moliné	Individual	Support	No

Comments: I am very interested in supporting this proposed hemp bill. This is perfect timing with a perfect solution for agriculture in Hawaii. This plant will heal the Aina. Mahalo,

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Date: Sunday, February 14, 2016 11:57:26 AM

SB2659

Submitted on: 2/14/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Rebecca Sydney	Individual	Support	No

Comments: Help keep Maui green! Hemp has 100 uses and is much more practical than sugar cane which has made many residents sick!

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Date: Monday, February 15, 2016 1:10:31 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Rene Umberger	Individual	Support	No

Comments:

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To: [WLA Testimony](#)
Cc: ricbillman@gmail.com
Subject: *Submitted testimony for SB2659 on Feb 17, 2016 14:45PM*
Date: Saturday, February 13, 2016 9:53:54 PM

SB2659

Submitted on: 2/13/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

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

Comments:

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Cc: ritahands@yahoo.com
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 15, 2016 5:31:26 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Rita Massey	Individual	Support	No

Comments: Please move forward the cultivation of industrial hemp in Hawaii. Mahalo.

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Cc: robert@hawaii-sustainable.com
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Monday, February 15, 2016 1:41:06 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Robert Bence	Individual	Support	No

Comments: I think this is important for the economy and well-being of Hawaii.

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Date: Sunday, February 14, 2016 12:31:09 PM

SB2659

Submitted on: 2/14/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
robyn smith	Individual	Support	No

Comments: Aloha Respected Senators, I strongly support SB2659 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 Robyn Smith Aloha Hemp LLC

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Cc: kitslegacy@gmail.com
Subject: Submitted testimony for SB2659 on Feb 17, 2016 14:45PM
Date: Tuesday, February 16, 2016 11:39:36 AM
Attachments: [sunn_hemp_nrcs142p2_053283.pdf](#)

SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
S. Lyn McNutt	Individual	Comments Only	No

Comments: Sunn Hemp is a commercial crop that can be of great benefit to Hawaii. Current studies on Kauai at Kauai Community College demonstrate the benefits to soil restoration of this plant. Please understand that "industrial" hemp is NOT marijuana. See attached CTAHR document on Sunn Hemp.

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Sunn Hemp:

A Cover Crop for Southern and Tropical Farming Systems



United States
Department of
Agriculture

Natural
Resources
Conservation
Service

Soil Quality Institute
411 S. Donahue Dr.
Auburn, AL 36832
334-844-4741
X-177

Technical
Note No.10

May 1999

This is the tenth
note in a series of
Soil Quality-
Agronomy technical
notes on the effects
of land
management on soil
quality. This
information is
general and covers
broad application.



Introduction

Do you want a cover crop that will increase organic matter, provide nitrogen, grow in low fertility sandy soils, and does not harbor nematodes? Sunn hemp (*Crotalaria juncea* L.) is a legume that when grown as a summer annual can produce over 5,000 pounds of biomass and over 100 pounds of nitrogen per acre. Farmers only need 8 to 12 weeks of frost-free growth conditions to receive these results.

Using a winter cover crop/green manure is a conservation practice that provides soil-improving characteristics. A common problem however, is that the relatively short period between cash crop harvest in the fall and planting the following spring can result in less than optimum biomass production of the cover crop. Sunn hemp, because of its rapid growth and relatively short growing season requirement, can be an excellent alternative. Where conditions are favorable, it can provide the benefits of a winter legume prior to a killing frost in the fall and also in the summer after the winter crop has been harvested.

Origin of Sunn Hemp

Sunn hemp originated in India where it has been grown since the dawn of agriculture. It has been utilized as a green manure, livestock feed, and as a non-wood fiber crop. It has also been grown in Brazil and Bangladesh as a soil-improving crop.

Research with sunn hemp has been conducted in the United States since the 1930s, where it was reported to be excellent in improving soil conditions (Cook and White, 1996). However, suitable areas for seed production were limited to mostly southern Texas. The difficulty in producing seed in other parts of the United States caused many farmers to abandon growing the crop. The USDA-NRCS and the University of Hawaii Institute of Tropical Agriculture and Human Resources cooperatively released the cultivar 'Tropic Sun' sunn hemp in 1983.

Adaptation

Sunn hemp is a tropical or sub-tropical plant that when grown in the continental United States performs like a summer annual. However, it will grow year round in Hawaii below an elevation of 1,000 feet (Rotar and Joy, 1983). Sunn hemp is adapted to a wide range of soils and performs better on

poor sandy soils than most crops. It is for such situations that it has attracted attention. It grows best on well-drained soils with a pH from 5 to 7.5.

Good Crotalaria vs. Bad Crotalaria

Because sunn hemp is a member of the *Crotalaria* genus, some people may be concerned about the appropriateness of its use as an agricultural crop. These concerns are not warranted just because it is in the *Crotalaria* genus. For example, Johnsongrass (*Sorghum halepense* L.) is a major weed in most farmers' fields while grain sorghum (*Sorghum bicolor* L.) is an important agronomic crop. There are more than 600 species of *Crotalaria* throughout the world. Over 500 species have been described, and it is estimated that an additional 100 species are not yet identified. Sunn hemp (*Crotalaria juncea* L.) is the fastest growing and most important species of the *Crotalaria* genus. All *Crotalaria* are good at producing biomass and fixing nitrogen. They are resistant to nematodes, and can grow on droughty soil with low fertility. However, some species, like Showy Crotalaria, (*Crotalaria spectabilis* L.) are considered noxious weeds because their soybean size causes difficulty in separating the seeds from soybean at cleaning. Also, many species of *Crotalaria* contain toxic alkaloids in the seeds. In earlier strains of sunn hemp, trichodesmine was identified as the principal toxic alkaloid. Studies have shown poisoning from these earlier strains can occur in both horses and pigs. Showy Crotalaria has been shown to be poisonous to most livestock.

The '**Tropic Sun**' sunn hemp cultivar is **non-toxic** to poultry and livestock as shown by laboratory tests and feeding trials (Rotar and Joy, 1983). In addition, since sunn hemp will not set seed consistently north of 28° N latitude (slightly north of Corpus Christi, TX), it has little potential for becoming a weed.

Sunn Hemp Uses and Benefits

Sunn hemp has been used extensively as a soil improvement or green manure crop in the tropics because of its ability to produce large amounts of biomass in as little as 60 to 90 days. Because of this, it has the potential to build organic matter levels and sequester carbon. Also, as a legume it can fix large amounts of nitrogen. Used as a cover crop, sunn hemp can improve soil properties, reduce soil erosion, conserve soil water, and recycle plant nutrients. 'Tropic Sun' is also resistant to root-knot nematodes. Other potential uses for sunn hemp are forage, paper fiber, and as alternative fuel crop (Rotar and Joy, 1983).

Organic Matter Builder

Rotar and Joy (1983) reported 'Tropic Sun' sunn hemp reaching heights of over 4 feet in 60 days and over 6 feet in 90 days in Hawaii. Biomass production in Hawaii reached yields as much as 6,000 pounds in 60 days. Mansoer et al. (1997) conducted cover crop studies in Alabama and showed similar results. 'Tropic Sun' was planted in August or early September after corn harvest and was grown as a cover

crop/green manure crop until wheat planting (early December). Biomass production achieved an average of 5,200 pounds in 9 to 12 weeks over a two-year study at two locations in Alabama. This compares with 4,300 pounds per acre with hairy vetch (*Vicia villosa* L.) and 4400 pounds with crimson clover (*Trifolium incarnatum* L.) (Mansoer et al., 1997). Ground cover from the “Tropic Sun” averaged approximately 96 percent at mowing and approximately 65 percent soil coverage 16 weeks later (mid-April). This amount of residue will provide erosion control and promote increases in organic matter accumulations in no-till or conservation tillage systems.

Nitrogen Producer

In Hawaii, Rotar and Joy (1983) reported ‘Tropic Sun’ added 134 to 147 pounds of nitrogen per acre after 60 days of growth. In Alabama, Mansoer et al. (1997) reported an average of 126 pounds of nitrogen in 9 to 12 weeks. With this large amount of nitrogen produced, whether in spring, summer or fall, a crop such as small grain should follow sunn hemp to utilize the symbiotically produced nitrogen. However, in the study conducted by Mansoer et al. (1997), 38 percent of the N in biomass remained available for corn planted in mid-April, 16 weeks after the sunn hemp was mowed.

Potential Crop

‘Tropic Sun’ sunn hemp has promise as an alternative to winter legume cover crops as an organic matter builder and as a symbiotic nitrogen producing legume. Warm weather (frost-free) is needed for 8 to 12 weeks to provide biomass and nitrogen. Small grains grown following sunn hemp can utilize the symbiotically produced nitrogen, thus reducing or eliminating the loss of nitrogen. Although sunn hemp is best suited to southern climates, other *Crotalaria*, like Showy *Crotalaria*, has been grown as far north as northern Virginia (McKee and Enlow, 1931).

Sunn hemp could also be used in rotations with kenaf (*Hibiscus cannabinus* L.) for non-wood fiber production. Kenaf is susceptible to root-knot nematodes while sunn hemp is resistant.

Sunn hemp could be used after early season vegetables, tobacco, and small grains or other winter crops (Canola) in the summer or after corn in southern climates and prior to winter small grains. Hawaii and other tropical regions can grow ‘Tropic Sun’ as a full season crop.

To establish a successful stand, seed should be broadcast or drilled and covered ½ to 1 inch deep. If broadcast, seed at a rate of 40 to 60 pounds of live seed per acre. If drilled, the rate should be 30 to 50 pounds per acre in 6-inch rows. The higher rates should be used if the crop will be terminated in less than 60 days or if severe weed competition is expected (Rotar and Joy, 1983).

Seed Supply

Currently, the supply of sunn hemp seed is limited due to few growers and the need for the plant to be grown in tropical regions to produce seed. Currently, limited supplies of seed can be obtained from the University of Hawaii and www.groworganic.com. If sufficient demand develops, it may be possible to produce seed in areas like south Texas or south Florida. The NRCS does not endorse any certain company over another.

Conclusion

As a cover crop, sunn hemp can produce 5,000-6,000 pounds of biomass per acre in southern climates in 60-90 days. It also can produce 120-140 pounds of nitrogen in the same amount of time. It provides the benefits of a cover crop such as erosion control, soil improvement, plus resistance to root-knot nematode. It requires warm weather for 8 to 12 weeks. It will be advisable to grow crops such as small grains after it because of the nitrogen production.

References

- Cook C.G. and G.A. White. 1996. *Crotalaria juncea*: A potential multi-purpose fiber crop. p. 389-394. In J. Janick (ed.), Progress in new crops. ASHS Press, Arlington, VA.
- Mansoor, Z. 1993. Release of nitrogen from 'Tropic Sun' sunn hemp (*Crotalaria juncea* L.) residue under no-till and conventional systems. M.S. Thesis, Auburn University, Auburn, Alabama.
- Mansoor, Z., D.W. Reeves, C.W. Wood. 1997. Suitability of sunn hemp as an alternative late-summer legume cover crop. Soil Sci. Soc. Am. J. 61:246-253.
- McKee, R. and C.R. Enlow. 1931. *Crotalaria*, a new legume for the South. USDA Circular 137. Washington, DC.
- Rotar, P.P. and R.J. Joy. 1983. 'Tropic Sun' sunnhemp (*Crotalaria juncea* L.) Res. Ext. Ser. 36. Hawaii Inst. Trop. Agric. and Human Resour., Univ. of Hawaii, Honolulu.

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Date: Monday, February 15, 2016 5:45:30 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
sallyjane Bodnar	Individual	Support	No

Comments: Industrial hemp is a valuable crop for many value-added products, from using hemp fibers directly to extracting oils to using biomass for biodiesel. Growing hemp could provide many economic benefits to Maui, including soil regeneration for soils that have been saturated with pesticides and herbicides.

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Attachments: [Hemp Testimony](#)

SB2659

Submitted on: 2/14/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Shane Albritton	Individual	Support	No

Comments:

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SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
sharon Willeford	Individual	Support	No

Comments: Strongly support. Will open up many possibilities ~ building materials, food and animal feed (high protein), re mediates the soil, etc. Mahalo

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SB2659

Submitted on: 2/14/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
sharon	Individual	Support	No

Comments: Remediate the soil, many valuable crop uses, employment and so much more. Please never allow them to GMO it! Mahalo

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SB2659

Submitted on: 2/9/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Sherry Pollack	Individual	Support	No

Comments: Hawaii has an opportunity to be on the forefront of this wonderful industry, but only if the State Legislature acts. Please pass this bill which will be a win:win for Hawaii.

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SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Stephanie Austin	Individual	Support	No

Comments: Please support this bill: industrial hemp can provide jobs and employment opportunities for those losing their jobs on Maui by the closing of HC&as sugar production.

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SB2659

Submitted on: 2/14/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Steve Freid	Individual	Support	No

Comments: Aloha Respected Senators, I strongly support SB2659 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 Steve Freid

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SB2659

Submitted on: 2/10/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

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

Comments:

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SB2659

Submitted on: 2/14/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

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

Comments:

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SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Tanja Miller	Individual	Support	No

Comments: Hemp could be Hawaii's greatest crop which can help to reconstitute the soil and make HC&S profitable!

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SB2659

Submitted on: 2/8/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Tracy E Mills	Individual	Support	No

Comments: Organic and clean hemp crops will provide jobs, materials and a great export from Maui. Much better than cane burning!!!

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Date: Monday, February 15, 2016 5:42:23 PM

SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
tracy tarlow	Individual	Comments Only	No

Comments: I wish to enable the Hemp Bill to pass, allowing industrial hemp research, growth and development and education to take place in hawaii.

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SB2659

Submitted on: 2/15/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

Submitted By	Organization	Testifier Position	Present at Hearing
Wendy Gibson	Individual	Support	No

Comments: Hemp has historically been a useful plant in the United States and could be again if SB2659 is passed into law. The initial research done by UH over the past 2 years has been a success. Please allow this plant to be grown for Agricultural and academic research purposes.

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SB2659

Submitted on: 2/16/2016

Testimony for WLA on Feb 17, 2016 14:45PM in Conference Room 224

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

Comments:

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