From:	mailinglist@capitol.hawaii.gov
To:	AGL Testimony
Cc:	bigwavetomatoes@gmail.com
Subject:	Submitted testimony for HB508 on Mar 24, 2015 14:45PM
Date:	Tuesday, March 24, 2015 11:29:20 AM

Submitted on: 3/24/2015 Testimony for AGL on Mar 24, 2015 14:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Jeanne Vana	West Oahu County Farm Bureau	Support	No

Comments: West Oahu County Farm Bureau supports the intent of this bill that now includes development of new HEMP crop for Hawaii's climate. The lack of consistant, highly nutritional animal feed, has set limits on industry growth & further development of animal husbandry operations on the islands. This bill moves us towards developing a strong business model for sustainability for animal feed with opportunity for farmers to do necessary field trial research to select and determine most viable HEMP seed for Hawaii's wet and dry climates. Jeanne Vana, President West Oahu County Farm Bureau

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49 South Hotel Street, Room 314 | Honolulu, HI 96813 www.lwv-hawaii.com | 808.531.7448 | voters@lwvhawaii.com

#### SENATE COMMITTEE ON AGRICULTURE Tuesday, March 24, 2015, 2:45 p.m., Conference Room 414

#### HB508 Proposed SD1, RELATING TO AGRICULTURE

# TESTIMONY

Janet Mason, Co-Chair, Legislative Committee, League of Women Voters of Hawaii

Chair Ruderman, Vice-Chair Riviere, and Committee Members:

**The League of Women Voters of Hawaii opposes HB508 Proposed SD1.** The original bill establishes within the Livestock Revitalization Program a grant program for qualified feed developers and appropriates funds for the Feed Developer Grant Program, reimbursements to Qualified Producers for feed cost, and a survey of local feed ingredient sources. The Proposed SD1 added an entirely new section having to do with industrial hemp. Both subjects worthy of consideration? Yes, definitely.

However, SB375 also dealt with industrial hemp and crossed over to the House but was faced with referral to three house committees, creating doubts about its survival.

Whatever one's take on the cultivation/production of industrial hemp, with the Proposed SD1, the bill's new subject may pass the Legislature without adequate consideration by the House, which originated the bill.

This is not how the legislative process is supposed to work.

Thank you for the opportunity to submit testimony.

From:	mailinglist@capitol.hawaii.gov
To:	AGL Testimony
Cc:	yogardenhawaii@gmail.com
Subject:	*Submitted testimony for HB508 on Mar 24, 2015 14:45PM*
Date:	Tuesday, March 24, 2015 9:32:50 AM

Submitted on: 3/24/2015 Testimony for AGL on Mar 24, 2015 14:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Kelly Stern	Yogarden LLC	Support	No

Comments:

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Submitted on: 3/23/2015 Testimony for AGL on Mar 24, 2015 14:45PM in Conference Room 414

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

Comments: Aloha Senators I strongly support HB508 SD1 PROPOSED and the opportunity for farmers to receive the much needed financial support while developing an island livestock feed, as well as an industrial hemp variety that grows in Hawaii. This will open up many avenues of possible income for our farmers while reducing the current 70% dependency on imports. Respectfully yours Amber Long

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From:	mailinglist@capitol.hawaii.gov
To:	AGL Testimony
Cc:	mauiamy@yahoo.com
Subject:	Submitted testimony for HB508 on Mar 24, 2015 14:45PM
Date:	Monday, March 23, 2015 8:18:33 PM

Submitted on: 3/23/2015 Testimony for AGL on Mar 24, 2015 14:45PM in Conference Room 414

Submitted By	Organization	<b>Testifier Position</b>	Present at Hearing
Amy Chang	Individual	Comments Only	No

Comments: Aloha Senators I strongly support HB508 SD1 and the opportunity for Maui farmers to receive the much needed financial support while developing an island livestock feed, as well as an industrial hemp variety that grows in Hawaii. This will open up many avenues of possible income for our farmers while reducing the current 70% dependency on imports. This is needed now as the sugar industry is an in debt and unhealthy dinosaur that needs replacing. We are wasting our islands water on a toxic product that pollutes our environment instead of using it for something like industrial hemp that could have so many uses. Respectfully yours, Amy Chang Kuau Hawaii.

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

From:	mailinglist@capitol.hawaii.gov
To:	AGL Testimony
Cc:	breezybees808@gmail.com
Subject:	Submitted testimony for HB508 on Mar 24, 2015 14:45PM
Date:	Monday, March 23, 2015 7:33:26 PM

Submitted on: 3/23/2015 Testimony for AGL on Mar 24, 2015 14:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Briana Hurley	Individual	Support	No

Comments: As a small farmer and resident of Hawaii, I'd like to emphasize the utter importance of this bill. You all know the products that can be made from it, isn't sustainability important to you? This could make way for so many emerging companies and local products it could make your head spin. The reasons for hemp being illegal in the first place are unfounded. Hemp is not psychoactive, at least not in any practical sense. If you don't support this bill I want to know why.

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Clarence A. Baber PO Box 198900 pmb 223, Hawi, HI 96719 (808) 989-1836

March 22, 2015

# **RE:** Support for HB 508 Relating to Industrial Hemp for Feedstock

Dear Honorable Legislators,

Farmers across Hawaii are urging you to pass HB508 SD1 to open important agricultural and economic opportunities for Hawaii's farmers, while reducing our dependency on imported feedstocks. This bill will open up the opportunity for farmers to receive very needed financial support to develop a locally grown, Hawaii based, livestock feed, as well as participate in research for developing an industrial hemp variety that grows well in Hawaii.

I and many other small family farmers, urge you to pass this bill.

Sincerely,

Same A. Baly

Clarence A. Baber

Submitted on: 3/23/2015 Testimony for AGL on Mar 24, 2015 14:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Clarence Ching	Individual	Oppose	No

Comments: When will the Senate amendments be considered in the House?

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From:	mailinglist@capitol.hawaii.gov
To:	AGL Testimony
Cc:	radamshere2003@yahoo.com
Subject:	Submitted testimony for HB508 on Mar 24, 2015 14:45PM
Date:	Monday, March 23, 2015 3:25:24 PM

Submitted on: 3/23/2015 Testimony for AGL on Mar 24, 2015 14:45PM in Conference Room 414

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

Comments: Aloha Senators I strongly support HB508 SD1 PROPOSED and the opportunity for farmers to receive the much needed financial support while developing an island livestock feed, as well as an industrial hemp variety that grows in Hawaii. This will open up many avenues of possible income for our farmers while reducing the current 70% dependency on imports. Respectfully yours Debra Adams

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Aloha Senators,

I strongly support HB508 SD1 PROPOSED and the opportunity for farmers to receive the much needed financial support while developing an island livestock feed, as well as an industrial hemp variety that grows in Hawaii. This will open up many avenues of possible income for our farmers while reducing the current 70% dependency on imports.

Respectfully yours,

600

Emanuel Ormonde

Submitted on: 3/24/2015 Testimony for AGL on Mar 24, 2015 14:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Esther Abbey	Individual	Support	No

Comments: Aloha Senators I strongly support HB508 SD1 PROPOSED and the opportunity for farmers to receive the much needed financial support while developing an island livestock feed, as well as an industrial hemp variety that grows in Hawaii. This will open up many avenues of possible income for our farmers while reducing the current 70% dependency on imports. Respectfully yours Esther Abbey

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Submitted on: 3/24/2015 Testimony for AGL on Mar 24, 2015 14:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Javier Mendez-Alvarez	Individual	Support	No

Comments:

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Submitted on: 3/23/2015 Testimony for AGL on Mar 24, 2015 14:45PM in Conference Room 414

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

Comments: Aloha Senators I strongly support HB508 SD1 PROPOSED and the opportunity for farmers to receive the much needed financial support while developing an island livestock feed, as well as an industrial hemp variety that grows in Hawaii. This will open up many avenues of possible income for our farmers while reducing the current 70% dependency on imports. Respectfully yours, Jonathan Boyne

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Submitted on: 3/23/2015 Testimony for AGL on Mar 24, 2015 14:45PM in Conference Room 414

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

Comments: Aloha Senators I strongly support HB508 SD1 PROPOSED and the opportunity for farmers to receive the much needed financial support while developing an island livestock feed, as well as an industrial hemp variety that grows in Hawaii. This will open up many avenues of possible income for our farmers while reducing the current 70% dependency on imports. Respectfully yours, Jonathan Boyne

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Submitted on: 3/23/2015 Testimony for AGL on Mar 24, 2015 14:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Kenneth A Likout	Individual	Support	No

Comments:

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Aloha Senators,

I strongly support HB508 SD1 PROPOSED and the opportunity for farmers to receive the much needed financial support while developing an island livestock feed, as well as an industrial hemp variety that grows in Hawaii. This will open up many avenues of possible income for our farmers while reducing the current 70% dependency on imports.

Mahalo nui for bringing this important bill to the table! **Now** is the time to support the Industrial Hemp Evolution-Revolution.

Below is a summary about industrial hemp from the documentary **Bringing It Home.** I need say no more. I hope you will take the time to read the films overview of Industrial Hemp below (and perhaps even watch the documentary!).

"We believe that the cultivation and productive use of industrial hemp — and most importantly, its ability to create a healthier world for future generations – is one of the most important stories of our time." -- <u>http://bringingithomemovie.com/industrial-hemp</u>

#### WHY HEMP? WHY NOW?

Today's kids and, in turn, their own children are facing, and will continue to face, a future marked not only by staggering economic debt, but ongoing health threats from harmful chemicals in our homes, schools, food, air & water. The toll upon our nation's health – again, especially among our children – continues to climb.

With climate change bringing about environmental catastrophes at an ever-increasing rate, and gas prices rising and making virtually everything more expensive, our lives feel less and less within our own power to control. It doesn't require a genius to calculate that every time we're at the gas pump or paying our energy bills, our need to reduce our reliance upon fossil fuels is essential to any hope of renewed economic prosperity.

Industrial Hemp offers a host of innovative solutions for our troubled world — from reducing global deforestation and malnutrition to combating climate change with healthy, energy-efficient buildings. Hemp is a pesticide-free crop that can be harvested for healthier food, clothing and shelter here in the U.S. and around the world. It has the potential to replace 25,000 chemical, petroleum and synthetic-based products in our everyday lives with natural, healthier products that don't cost us the earth or our health.

Over 30 other industrialized nations are now growing industrial hemp as an officially **"drug-free" crop.** The United States remains the only industrialized nation that refuses to distinguish it from its sibling, marijuana. Dr. Mike Lawrence of the University of Bath, England, recently told us at the 2nd International Hemp Building Symposium in Spain, "It's not rocket science....just follow the model of the UK."

Hemp is an ideal rotation crop for farmers, as it replenishes topsoil. Its individual stalks can grow up to 16 feet tall in 16 weeks – with minimal irrigation, NO pesticides, and just a modest amount of nitrogen for fertilizer. Hemp offers farmers three separate markets — its seeds; its outer fibers; and its inner hurds or "shiv."

Although it is illegal grow hemp in the US, it is legal to import all parts of the plant into the US, causing us to pay import prices on one of the healthiest, most beneficial crops known to man.

Hemp was used in phytoremediation efforts at Chernobyl, where hemp was used to remove lead, uranium and other heavy metals from the soil. While growing, hemp removes CO2 from the atmosphere and releases clean oxygen into the air. As Japan and Haiti look to rebuild themselves, hemp could be used to build thousands of energy-efficient homes.

#### **HEMP SEEDS**

Hemp seeds provide one of the greatest sources of nutrition known to man, and they are excellent for building healthy immune systems. It contains the optimal ratio of Omega 6 & Omega 3 (3 to 1). As an exceptionally rich source of Omega 3, hemp seed oil can help to inhibit cancer and tumor growth, lower blood pressure and cholesterol levels, increase metabolism, decrease insulin dependence in diabetics, and is a great anti-inflammatory, specifically in regard to arthritis. For athletes and those with injuries, hemp is also a standout, as it can be used to rebuild muscle mass. Hemp seed oil is also excellent for healthy hair, skin and nails. **Hemp is a GMO-free crop** that is a great addition to any daily diet – especially for vegetarians. Hemp is presently being used to make such diverse foods and beverages as coffee, ice cream, and beer!

The seeds may also be used in the service of beauty products and even cleaning products at a time when both of these industries remain reliant on harmful chemicals. In addition, researchers at the University of Connecticut have found that industrial hemp seeds have properties that make it a viable raw material for producing <u>biodiesel</u>.

#### **HEMP HURDS**

Hemp hurds, or "shiv," constitute the inner wood-like core of the plant. As such, it's part of the next evolution in green building. Hemp shiv can be used to create non-toxic particleboard for walls or furniture, whereas present-day particleboard often contains formaldehyde and other harmful chemicals. Lime Technologies in the UK has combined hemp shiv with lime and water to create "hemcrete," a non-toxic, carbon-negative building material that can be used to help cut energy bills dramatically. Hemp is also a superior insulator and humidity regulator, which make hemp houses and buildings relatively light on heating and air-conditioning costs, while providing healthier indoor air quality. Hemcrete is used in flooring, roofing and walls. On the one hand, it's mold and mildew-resistant, which makes it an ideal building material for coastal areas and lands prone to flooding; on the other hand, Hemcrete is flame-resistant, which makes it equally ideal for dry regions prone to fires. Hemp hurds are also prized for animal bedding, paper and bio-composites.

#### **HEMP FIBERS**

Hemp fibers are the long, strong, outer filaments of the hemp plant. They are used, variously, in the making of insulation, clothing, plastics, bio-composites, and more. Hemp fibers are now used to build environmentally-friendly fiberglass for boats, cars, and surfboards. Hemp clothing is naturally sun and mildew-resistant, as well as stronger and longer-lasting than cotton. The process from seed to shirt is an altogether straightforward, green alternative to the way we make clothing now. Hemp plastics can be manufactured in such a way as to make them biodegradable, too.

You're probably wondering, if hemp is so wonderful, then why aren't we growing it in the U.S.?

In the 1920s and 1930s, economic power in the United States was consolidated in the hands of a small number of steel, oil and timber companies. Hemp was seen as a direct competitor to these industries. In the mid-1930's, *Popular Science* magazine hailed hemp as America's "New Billion Dollar Crop," the first time the term had ever been used. In an effort to demonize hemp, effective propaganda was created against it by the spread of misinformation: that hemp was none other than marijuana, plain and simple. The U.S. government, under pressure from these establishment industries, passed the Marijuana Tax Act of 1937, which, in turn, imposed a prohibitive tax on hemp itself! This effectively destroyed the industry, and Americans have been denied the freedom to grow this beneficial crop ever since.

#### THE GREAT HEMP RACE

Great Britain, France, Switzerland and Spain are currently leading the world in the hemp-building sector, while Australia and Germany are the global leaders in the creation of biodegradable plastics and bio-composites. China is the world's largest producer of industrial hemp, and it's planning to use hemp to help bring 3 million people out of poverty in the next 10 years. South Africa, likewise, plans to use industrial hemp, with even greater ambition, to help bring 9 million people out of poverty over the next decade.

There's no denying that a great "hemp race" is ongoing around the globe – with the glaring exception of the United States. Is it any wonder we're getting left behind in this new green economy? What's tragic about it is the fact that all Americans, of every political stripe, are clamoring for thousands of new jobs. The United States is already the world's largest importer of industrial hemp: last year alone, we sent \$400 million to China and other nations for their hemp. Imagine what our economy might look like had it been grown here!

Together, we can use hemp to help rebuild the American( & Hawaiian ) Dream. *Hemp isn't the only solution, but it has a very important role to play in the creation of a healthier, happier world for us all.* 

#### Make the most of the Indian Hemp seed and sow it everywhere"

~George Washington, 1794

"We believe that the cultivation and productive use of industrial hemp — and most importantly, its ability to create a healthier world for future generations – is one of the most important stories of our time." -- <u>http://bringingithomemovie.com/industrial-hemp</u>

Respectfully yours

Nakoa Kulani N. Nelson-Riley

From:	mailinglist@capitol.hawaii.gov
To:	AGL Testimony
Cc:	paulizakmusic@gmail.com
Subject:	*Submitted testimony for HB508 on Mar 24, 2015 14:45PM*
Date:	Tuesday, March 24, 2015 9:42:07 AM

Submitted on: 3/24/2015 Testimony for AGL on Mar 24, 2015 14:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Paul Izak	Individual	Support	No

Comments:

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Submitted on: 3/23/2015 Testimony for AGL on Mar 24, 2015 14:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Randy Ching	Individual	Support	No

Comments: Hemp could be one of our most important agricultural products. It was the most grown crop in the U.S. up until 1937. It would create ag jobs here and use some of our prime ag lands for something other than houses. Hemp oil was the #1 industrial lubricant in the U.S. until 1937. Please encourage hemp production by passing HB508 SD1. Mahalo.

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Submitted on: 3/23/2015 Testimony for AGL on Mar 24, 2015 14:45PM in Conference Room 414

Submitted By	Organization	Testifier Position	Present at Hearing
Renee Rudzinski	Individual	Support	No

Comments: Aloha Senators I strongly support HB508 SD1 PROPOSED and the opportunity for farmers to receive the much needed financial support while developing an island livestock feed, as well as an industrial hemp variety that grows in Hawaii. This will open up many avenues of possible income for our farmers while reducing the current 70% dependency on imports. Respectfully yours Renee Rudzinski

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Submitted on: 3/23/2015 Testimony for AGL on Mar 24, 2015 14:45PM in Conference Room 414

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

Comments: Aloha Senators I strongly support HB508 SD1 PROPOSED and the opportunity for farmers to receive the much needed financial support while developing an island livestock feed, as well as an industrial hemp variety that grows in Hawaii. This will open up many avenues of possible income for our farmers while reducing the current 70% dependency on imports. Respectfully yours Thomas Craig

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