

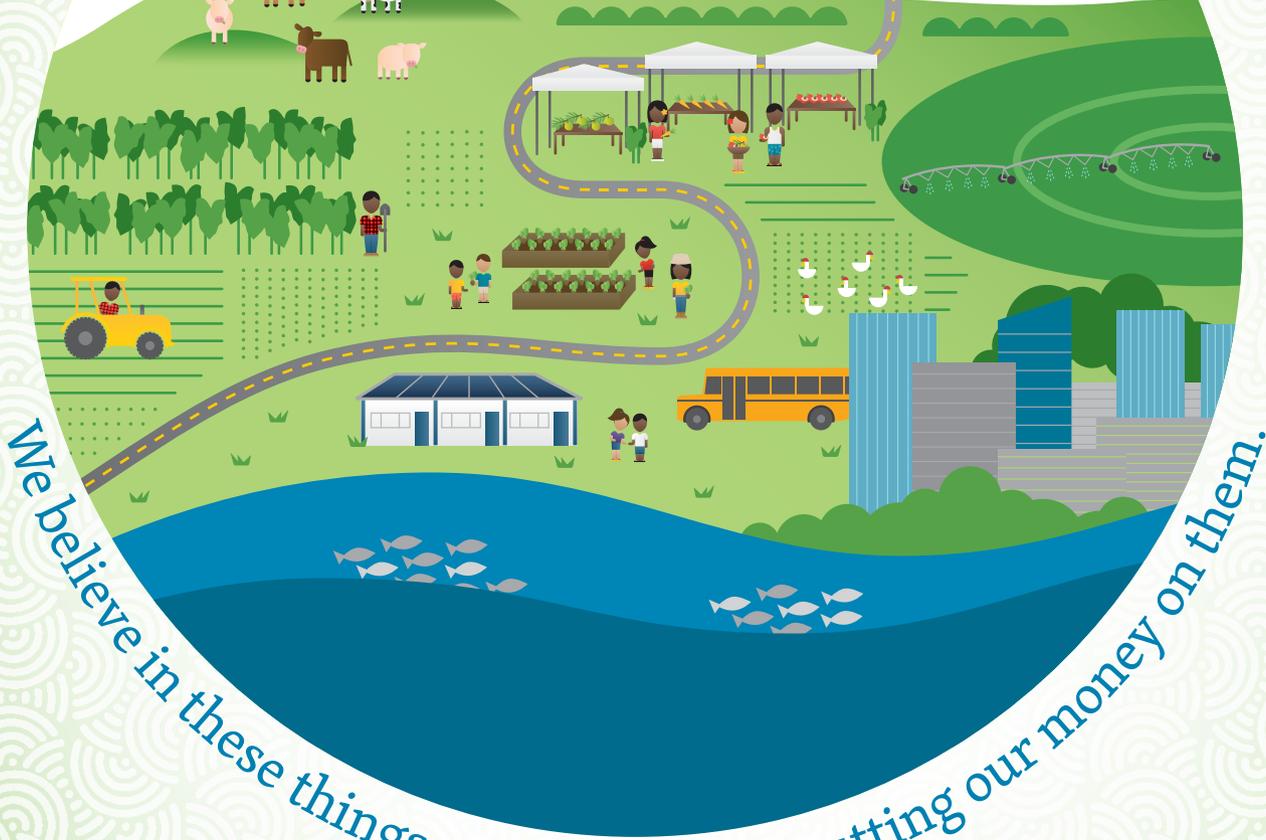


"OUR WORLD IS CHANGING.
YOU CAN SHAPE ITS FUTURE."

AUGUST 29 – 30, 2017

HAWAI'I CONVENTION CENTER, HONOLULU

More local food. Better food security. Increased self-sufficiency.



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Welcome & Mahalo

Welcome to the 2017 Hawai'i Ag Conference! Since 2002, the Hawai'i Agriculture Conference has been the State's premier conference that brings together stakeholders from every facet of agriculture to discuss contemporary issues. Today, unprecedented global and local changes have caused historic challenges that are impacting every level of the agricultural sector, our communities and our environment. Yet within every challenge exists opportunity, and this inspired the AG2017 Planning Committee to rally around the following idea:

OUR WORLD IS CHANGING. YOU CAN SHAPE ITS FUTURE.

The key word in this phrase is **YOU**. Hawai'i agriculture cannot succeed unless **YOU** stay engaged. So, we are sowing the seeds of success by grounding this year's conference in thematic tracks to provide depth, scope, and value, no matter your area of agricultural interest.

Track 1: Economic Opportunity – No matter how you add it up, reducing Hawai'i's dependence on imported food will significantly benefit the local economy. Shifting just 10% of spending to locally grown products would keep hundreds of millions of dollars in Hawaii, create thousands of jobs, generate exponential synergy in non-food production and result in a healthier, more self-sufficient State.

Track 2: Supporting Local Farms, Families and Communities – Spending less on imports means investing more in the people and businesses who provide the goods and services locally. Buying local does not mean saying goodbye to imports. But wherever we can, we should buy local. Buying local strengthens our Hawai'i communities with opportunities for jobs and formation of innovative locally-owned entrepreneurial businesses that Hawai'i is well known for. Access to healthy food means healthy families prepared for the challenges of our changing world.

Track 3: Sustaining the 'Āina – If we take care of the land, the land will take care of us. 'Āina is literally at the center of sustainability. Hawai'i has one of the most biologically diverse ecosystems in the world, but living on the front lines of climate change also makes our islands most vulnerable. This juxtaposition, combined with our unique cultural values, means we could and should be a world leader in sustainability.

This is complex, challenging stuff, which is why the conference content is designed to inspire you in many ways:

• **Dynamic Keynote Speakers:**

- *Scott Enright, Chairperson of the Hawai'i Department of Agriculture*
- *Nainoa Thompson, President of the Polynesian Voyaging Society*
- *President Hilda C. Heine of the Republic of the Marshall Islands*
- *Ben Hartman, farmer, entrepreneur and author of The Lean Farm*

- **A robust schedule of 22 breakout sessions covering a diverse, engaging spectrum of topics**
- **The AGxChange, an exciting showcase of exhibitor booths, posters, networking opportunities, and more**
- **Farm to Table Tastings in the pau hana hour**
- **Commitments – Your opportunity to step up**

This conference is filled with opportunities for you to network, share ideas, learn, eat, laugh, participate and collaborate. The goal is to inspire and motivate you to take action that makes a difference... because our world is changing. **YOU** can shape its future!



Mahalo from AG2017

AG2017 PLANNING COMMITTEE



Joey Char



Donna Ching



Mark Cummings



Scott Enright



Michelle Galimba



Michelle Gorham



Matt Johnson



Sydney Keli'ipuleole



Taylor Kellerman



Russell Kokubun



Diane Ley



Stephanie Mock



Dan Nakasone



M'Randa Sandlin



Kelvin Sewake



Mark Stoutemyer

AG2017 is presented by the Agricultural Leadership Foundation of Hawai'i with support from the Hawai'i Department of Agriculture and the University of Hawai'i's College of Tropical Agriculture and Human Resources. A special thank you is extended to all of the Conference's sponsors including Ulupono Initiative, Kamehameha Schools and many other sponsors and partner organizations, as well as all who attend AG2017. Mahalo!



Agricultural Leadership Foundation of Hawai'i

Providing leadership development opportunities for Hawai'i's agricultural community.

Agriculture Leadership Program a 16-month program for agricultural, food and natural resource professionals committed to strengthening agriculture in Hawai'i. Engagement includes workshops, site visits, speakers, projects, networking, and travel across the State and to the mainland.

Hawai'i Agricultural Conference 2017 the premier all-agriculture conference since 2002

Agricultural Youth Leadership supporting programs to develop the next generation of agricultural leaders in Hawai'i.

TABLE OF CONTENTS

24 AGxChange, Farm to Table Reception

25 A Message from Governor David Ige

26-27 Keynote Speakers

28-29 Program Schedule

31-39 Program Details, Tuesday August 29, 2017

40-45 Program Details, Wednesday August 30, 2017

46 Posters

47-48 Youth in Agriculture

50 Mahalo to AG2017 Sponsors



Artwork from the Farm to School Hawaiian Harvest Artwork Contest will be on display at AG2017. Hosted by Hawai'i Department of Agriculture's Hawai'i Farm to School Program, this contest celebrates how students make the F2S connection with Hawaiian Harvests. Stop by the display and cast your vote for the Public Choice Award.

AT THE CONFERENCE

AGxChange

Throughout Conference, Room 313ABC

Visit AG2017 exhibitors in the AGxChange room to learn about innovative practices, discover resources that can help you grow your business and connect with others who believe agriculture is an important part of Hawai'i's future. Businesses, government agencies and nonprofit organizations will all be represented at the AGxChange—offering up talks, poster presentations and café-like seating areas, with free Wi-Fi, food and beverages. AGxChange will be open throughout the conference - please stop by!

Farm to Table Tastings, Beverages & Networking

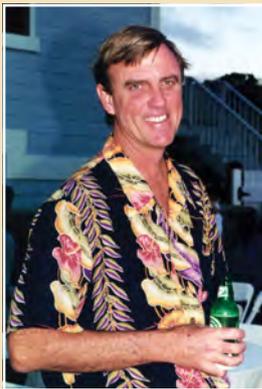
Hawai'i Convention Center, Rooftop Garden | Tuesday, August 29, 2017, 5:30 PM – 7:30 PM

Join us for "Farm to Table Tastings" where you can network with agriculture producers and professionals, foodies, backyard farmers, teachers, and students. Enjoy delicious food prepared by local chefs using local produce and meats. Friends of James A. Wriston III are hosting the first round of beverages for conference participants. This event is the perfect time to make new connections and renew friendships. We look forward to seeing you there!

PARTICIPATING RESTAURANTS:



IN MEMORY OF JAMES "JIM" WRISTON III



These first round of libations at the Farm to Table Tastings are sponsored in the memory of A. James "Jim" Wriston III, by his friends and partners Stephen Nimz, Stephen Swift and Alan Gottlieb. Jim, an Agricultural Leadership Foundation of Hawai'i alumnus, lifelong agriculturalist and entrepreneur, lived a short but very full life. His friends remember Jim as a "really good guy" who liked to hang with his family and friends, fish and drink beer. His fun approach to life was liked by all. Jim's entrepreneurial spirit and environmental vision, his love for the land and his strong sense of right and wrong, his respect for others and the strength of his word are all qualities to be remembered as we honor others in this sector who continue to assist its sustainable growth.

LESLEY HILL REMEMBERED



A leader in the tropical fruit and hearts of palm industries, farmer, garden store owner and Agricultural Leadership Program alumni – Lesley Hill recently passed away. Lesley had a true passion and intellect for business and agriculture. She and her partner, Michael Crowell, pioneered the production and created the market for Hawaiian Hearts of Palm; thus, winning foodie awards and acclaim by chefs across the globe. Together, Lesley and Michael also advanced Hawai'i's tropical fruit industry with a wide range of new varieties and market access. Lesley will be missed by all who knew her.



A MESSAGE FROM
Governor David Ige

On behalf of the State of Hawai'i, I would like to extend my warmest welcome to all participants, speakers and organizers of the 2017 Hawai'i Agriculture Conference (AG2017). This year's theme, "Our World is Changing" addresses the critical crossroads facing Hawai'i agriculture, both in terms of challenges and opportunities.

Only through collaboration can we inspire, empower and achieve our goals. Conference participants will be called upon to declare personal and collective commitments to address issues that are crucial to advancing agriculture in Hawai'i. This will renew the energy and focus necessary to shape a vibrant future for agriculture in our state.

AG2017 brings together the key pillars for a sustainable agricultural future in Hawai'i – identifying the tremendous economic opportunity that lies in expanding local agriculture; the support for local farms, families and communities which has the power to generate immense social and financial well-being; and the obligation to take care of the 'aina.

Finally, our keiki – this conference will also feature the next generation of the agricultural sector. Students will come to learn, engage in and experience all that agriculture has to offer. Our youngsters will share stories of inspiration and discuss what actions we need to take today to assure that the future of agriculture in Hawai'i reaches its full potential.

Best wishes for a successful and productive conference!

With warmest regards,

DAVID Y. IGE
Governor, State of Hawai'i

KEYNOTE SPEAKERS



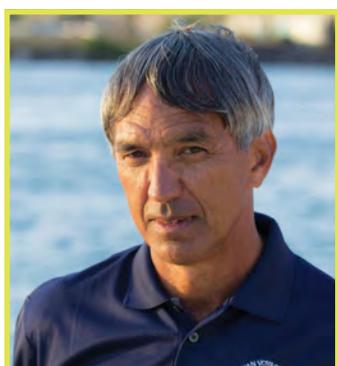
SCOTT ENRIGHT

*Chairperson, Board of Agriculture, Hawai'i Department of Agriculture
Honolulu, Hawai'i*

“WELCOME”

Scott Enright brings a strong background in agriculture, community building, and conflict resolution to his position. Enright has worked as a consultant for the Hawai'i Sustainable Agriculture and Renewable Energy Project project manager for ITC Water Management, cultivation and irrigation superintendent for Hamakua Sugar Company, and orchard superintendent for Kilauea Agronomics. He also served as Chairman for the Board of Agribusiness Development Corporation, on the Community Development Plan Steering Committee for Hamakua District, and on the Hilo-Hamakua Community Development Corporation Board.

A graduate of the University of Hawai'i at Hilo, Enright holds bachelor's degrees in psychology and philosophy. He also earned a Master of Science degree in conflict analysis and resolution from George Mason University.



NAINOA THOMPSON

*President of the Polynesian Voyaging Society
Honolulu, Hawai'i*

“COMMUNITY CONNECTIONS”

Nainoa Thompson is the president of the Polynesian Voyaging Society and a master in the traditional Polynesian art of non-instrument navigation. Through his voyaging, he has opened a global, multi-generational dialogue on the importance of sustaining ocean resources and maritime heritage. Thompson is the first person in 600 years to practice Polynesian wayfinding: long-distance open-ocean voyaging on a traditional double-hulled canoe without the aid of modern instruments. He has dedicated his life to exploring the ocean, maintaining the health of the planet and ensuring that the ancient marine heritage and culture of Polynesia remain vibrant into the future.



PRESIDENT HILDA C. HEINE, ED. D.

Republic of the Marshall Islands

“SUSTAINING THE ‘ĀINA”

President Hilda C. Heine was one of three women elected to the Nitijela following the November 2015 general elections representing Aur Atoll for four years. She previously served as the Minister of Education. Prior to entering politics, President Heine was the Program Director of Pacific Comprehensive Assistance Center at the Pacific Resources for Education and Learning (PREL) in Majuro from 2006 to 2011 and Director of Policy and Capacity Building and Scholar of FAS Education for PREL in Honolulu from 1995 to 2006. Before relocating to Hawai‘i, she served the Government of the Republic of the Marshall Islands starting as a classroom teacher, school counselor, school administrator, and college President before being named as Secretary of Education. She was awarded an honorary doctorate degree from the College of the Marshall Islands.

President Heine was born on Jaluit Atoll in 1951 where she grew up and attended school until moving to Majuro to pursue her secondary level education at the Marshall Islands High School. President Heine earned her undergraduate degree at the University of Oregon in 1970, a master's degree at the University of Hawai‘i in 1975, and an Educational Doctorate at the University of Southern California in 2004. President Heine has co-authored multiple publications and reports and reads historical and contemporary writings with special emphasis on education and social administrations in small islands developing states.



BEN HARTMAN

Clay Bottom Farm and Author of “The Lean Farm”
Goshen, Indiana

“THE LEAN FARM”

Ben Hartman grew up on a corn and soybean farm in Indiana and graduated from college with degrees in English and philosophy. Ben and his wife, Rachel Hershberger, own and operate Clay Bottom Farm in Goshen, Indiana, where they make their living growing and selling specialty crops on less than one acre. Their food is sold locally to restaurants and cafeterias, at a farmers market, and through a community-supported-agriculture (CSA) program. The farm has twice won Edible Michiana’s Reader’s Choice award. *The Lean Farm*, Ben’s first book, won the Shingo Institute’s prestigious Research and Professional Publication Award. In 2017, Ben was named one of fifty emerging green leaders in the United States by Grist.

AG2017 CONFERENCE SCHEDULE

PRE-CONFERENCE: MONDAY, AUGUST 28, 2017		
6:00 PM - 9:00 PM	Hawai'i Agricultural Foundation's Eat Think Drink - The Modern Honolulu (Separate Registration and Cost)	
DAY ONE: TUESDAY, AUGUST 29, 2017		
8:00:00 AM	REGISTRATION / MORNING COFFEE AGxChange - Room 313ABC	
9:00 AM - 10:30 AM	WELCOME AND KEYNOTE PRESENTATIONS - Room 310 "Welcome," Scott Enright, Chairperson, Hawai'i Department of Agriculture "Community Connections," Nainoa Thompson, President of the Polynesian Voyaging Society "Sustaining the 'Āina," President Hilda C. Heine, Republic of the Marshall Islands "The Lean Farm," Ben Hartman, Clay Bottom Farm	
10:30 AM - 10:45 AM	NETWORKING BREAK - AGxChange - Room 313ABC	
10:45 AM - 11:45 AM	CONCURRENT SESSION 1	
	FSMA/GAP: The Alphabet Soup to Safe and Healthy Produce for All Consumers Moderator: M'Randa Sandlin Room 310	Let's Talk-Story About Water Moderator: Robbie Alm Room 306A
11:45 AM - 1:15 PM	LUNCH / AGxCHANGE / POSTER SESSION / DEMONSTRATIONS/ NETWORKING - Room 313ABC	
1:15 PM - 2:15 PM	CONCURRENT SESSION 2	
	Cracking the Nut on Affordable Housing on Farm Land in Hawai'i Moderator: Albie Miles Room 310	Ag Tourism: Diversifying Economic Opportunity Moderator: Taylor Kellerman Room 306A
2:15 PM - 2:30 PM	NETWORKING BREAK - AGxChange - Room 313ABC	
2:30 PM - 3:30 PM	CONCURRENT SESSION 3	
	CONTINUED: Cracking the Nut on Affordable Housing on Farm Land in Hawai'i Moderator: Albie Miles Room 310	Growing Agriculture with Technology Moderator: Jesse Cooke Room 306A
3:30 PM - 3:45 PM	NETWORKING BREAK - AGxChange - Room 313ABC	
3:45 PM - 4:45 PM	CONCURRENT SESSION 4	
	Grow Me the Money Moderator: Diane Ley Room 310	GROWER-BUYER MEET-UP INTRODUCTION Moderator: Derek Kurisu Room 306A
4:45 PM - 5:00 PM	NETWORKING BREAK - AGxChange - Room 313ABC	
5:00 PM - 5:30 PM	COMMITMENTS: Our world is changing. You can help shape its future. - Room 310	
5:30 PM - 7:30 PM	FARM TO TABLE TASTINGS, BEVERAGES & NETWORKING - Rooftop Garden	
DAY TWO: WEDNESDAY, AUGUST 30, 2017		
8:00 AM - 8:45 AM	NEXT GEN: The Future of Hawai'i Agriculture, Moderator: Ashley Willits - Room 310	
8:45 AM - 9:00 AM	NETWORKING BREAK - AGxChange - Room 313ABC	
9:00 AM - 10:00 AM	CONCURRENT SESSION 5	
	Scaling-up Production & Profits with Cooperatives & Food Hubs Moderator: Matt Johnson Room 310	Value Added: Doing it Right from Harvest to Sale Moderator: Sydney Keli'ipuleole Room 306A
10:15 AM - 11:45 AM	COMMITMENTS: The Future of Agriculture in Hawai'i - Room 310	
11:45 AM - 12:30 PM	OPTIONAL BOX LUNCH/PRE-PURCHASE - Room 313ABC	
12:00 PM - 5:00 PM	POST-CONFERENCE PARTNER WORKSHOPS	
	2017 Farm to School Symposium Room 306AB	

- KEYNOTES/LARGE GROUP SESSIONS
- GROWER-BUYER MEET-UP
- BREAKS/LUNCHESES/AGxChange
- FFA STUDENT SESSIONS
- THE LEAN FARM WORKSHOP
- PARTNER WORKSHOPS



	Clearing the Hurdles of Agricultural Labor* Moderator: Chris Manfredi Room 306B	Indigenous Ag & Climate Change Moderator: Michelle Galimba Room 308AB
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*Session will break to pick-up lunch and then continue through lunch period until 1:00 PM

	Three Ways to Build a Food System for Hawai'i's Future Moderators: Tina Tamai & Kristin Frost Albrecht Room 306B	Part 1: (K)new Agriculture: Generational Perspectives of Growing Farmers on the Land Moderators: Neil J. Hannahs & Manulani Meyer Room 308AB
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	CONTINUED: Three Ways to Build a Food System for Hawai'i's Future Moderators: Tina Tamai & Kristin Frost Albrecht Room 306B	Part 2: (K)new Agriculture: Scaling Local Success to Meet Regional Demand Moderators: Neil J. Hannahs & Manulani Meyer Room 308AB
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	Biosecurity and Agriculture Moderator: Donna Ching Room 306B	Loko I'a: Restoration to Food Production Moderator: Hi'ilei Kawelo Room 308AB
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FUTURE FARMERS OF AMERICA
Student Leadership Sessions

Throughout Conference at Specified Times
By Invitation Only
Room 304AB

	Growing New Farmers and New Markets: Farmer Training and Farm to School Moderators: Janel Yamamoto & Melanie Willich Room 306B	THE LEAN FARM: Applying the Lean System to a Farm or Ranch: A Vegetable Farm Example Featuring: Ben Hartman Room 308AB Ends at 11:45 AM
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	GROWER-BUYER MEET-UP Moderator: Michelle Gorham Room 301AB Ends at 11:00 AM	
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	Department of Hawaiian Homelands Agricultural Workshop: 'Āina Ho'opulapula, From the Land We Flourish (By Invitation Only, Lunch Included) Room 308AB, 1:00 PM - 4:00 PM	
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Department
of Agriculture
STATE OF HAWAII



Island Fresh
Buy Local It Matters
Join the movement!



Supporting Hawaii Agriculture

PROGRAM DETAILS

Tuesday, August 29, 2017

REGISTRATION

8:00 AM – 9:00 AM, Outside Room 313

AGxChange

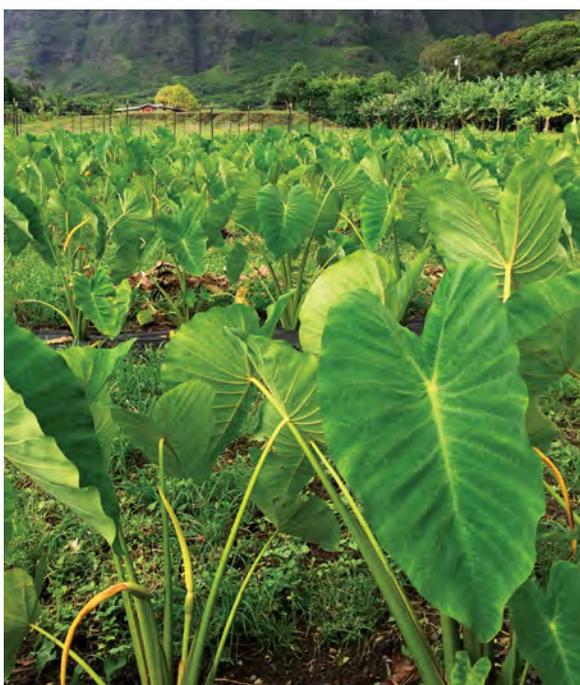
Throughout Conference, Room 313ABC

Visit AG2017 exhibitors in the AGxChange room to learn about innovative practices, discover resources that can help you grow your business and connect with others who believe agriculture is an important part of Hawai'i's future. Businesses, government agencies and nonprofit organizations will all be represented at the AGxChange—offering up talks, poster presentations and café-like seating areas, with free wi-fi, food and beverages. AGxChange will be open throughout the conference - please stop by!

WELCOME AND KEYNOTE PRESENTATIONS

9:00 AM – 10:30 AM, Room 310

See Keynote Presentations, Page 26



Taylor Kallerman

CONCURRENT SESSION 1

Clearing the Hurdles of Agricultural Labor*

10:45 AM – 1:00 PM, Room 306B

Moderator: Chris Manfredi, Hawai'i Farm Bureau Federation

The shortage of agricultural labor has become increasingly problematic for producers trying to meet food security goals while remaining competitive in a global marketplace. Barriers and solutions to this challenge can be found at County, State and Federal levels. This forum is designed to connect the many stakeholders that can impact, and are impacted by the regulatory framework surrounding this issue. Solving these problems is vital to sustainability of Hawai'i's agricultural producers. Barriers created by minimum wage increases, immigration laws and enforcement, and housing regulations are but a few of the significant challenges facing agricultural employers. In many instances, large portions of crops are left to rot for the lack of availability of reliable harvest labor. In other examples, crops are labeled 'hot goods' while regulators determine if there has been a violation. For perishable crops, this is a death-knell for producers.

This forum aims to engage the full spectrum of stakeholders in dialogue that examines the issues, and to develop real-world solutions to the myriad regulatory and compliance hurdles. A moderated discussion among invited leaders will begin the session followed by questions posed by the audience. The goal is to conclude with actionable items coupled with accountable parties for each. *Session will break to pick-up lunch and then continue through lunch period until 1:00 PM

Let's Talk-Story About Water

10:45 AM – 11:45 AM, Room 306A

Moderator: Robbie Alm, Collaborative Leaders Network

Join us for a multi-perspective panel discussion about this precious resource. The moderated dialogue will be a friendly forum that asks: "What if we agreed to sit down and listen to each other about water? What can we learn from native Hawaiian practices of sustainability? How do we support Hawai'i's need for water to support local agriculture? How do we positively address our collective water future?"

Speakers:

- Kā'eo Duarte, Kamehameha Schools
- James Nakatani, Agribusiness Development Corporation
- Jerry Ornellas, East Kaua'i Water Users Cooperative

PROGRAM DETAILS

Tuesday, August 29, 2017

FSMA/GAP: The Alphabet Soup to Safe Produce for All Consumers

10:45 AM – 11:45 AM, Room 310

Moderator: M'Randa Sandlin, *University of Hawai'i at Mānoa, College of Tropical Agriculture and Human Resources, (UH Mānoa CTAHR)*

The rules are final. FSMA – the Food Safety Modernization Act will impact vegetable, nut and fruit production throughout Hawai'i. The Hawai'i Department of Agriculture will play a role in the implementation of the federal law, FSMA. Specifically, the Produce Rule and the Preventative Controls Rule will likely impact those who grow and sell fresh produce. Now, it is time to learn about GAP - Good Agricultural Practices, which are science-based methods to minimize the risk of physical chemical and biological contamination of produce. Once adopted and implemented on the farm, GAPs can be utilized to set the farm apart from others by indicating to buyers that the produce was raised meeting federal food safety standards for produce. Such status provides an opportunity to maintain and expand valuable market share and reduced liability for the operation. Learn more about the FSMA and GAP and the critical role that your operation plays in protecting public health through practices and controls on the farm.

Speakers:

- Kylie Wong, *UH Mānoa CTAHR Cooperative Extension*
- Luisa F. Castro, *Hawai'i Department of Agriculture*
- Dr. Stephen Ostroff, *U.S. Food and Drug Administration*

Suggested Commitments:

Commit to learning more about FSMA and GAP and sharing this information with growers, wholesalers and produce handlers throughout the food system. Commit to taking action to keep Hawai'i produce safe.



Indigenous Ag & Climate Change

10:45 AM – 11:45 AM, Room 308AB

Moderator: Michelle Galimba, *Agricultural Leadership Foundation of Hawai'i*

We all depend on agriculture to provide for our basic needs, and almost all forms of agriculture are highly vulnerable to climate and weather risk. Increasingly variable and extreme weather, along with the likelihood of a long-term trend towards drier conditions in Hawai'i will challenge local agriculture in the years and decades

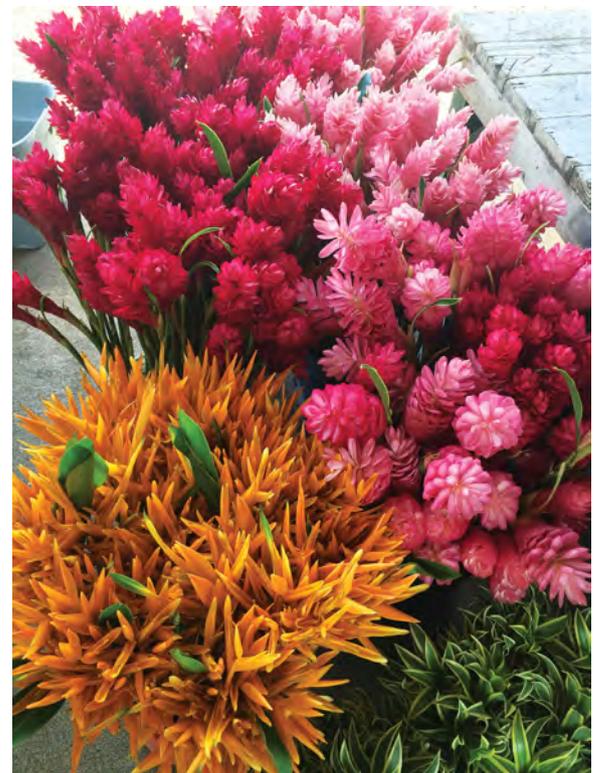
to come. Meeting this challenge will mean finding forms of agriculture that minimize activities that contribute to climate change and increase the over-all resilience of local agriculture to drought and other extreme conditions. Indigenous agriculture developed over thousands of years to meet the needs of Hawai'i's pre-contact population, and we have only begun to recover the hard-won knowledge that is encoded in indigenous agricultural systems. Refining our understanding of and respect for indigenous agricultural systems - from crop selection to land contouring to food preparation to land use policies - may help our island community to navigate the climate-related challenges ahead.

Speakers:

- Clay Trauernicht, Ph.D., *UH Manoa CTAHR*
- Natalie Kurashima, Ph.D., *Kamehameha Schools*
- Noa Kekuewa Lincoln, Ph.D., *UH Manoa CTAHR*

Suggested Commitments:

Learn and talk about climate variability, climate change, and understand the actions we can take to reduce vulnerability. Support indigenous agriculture by including more traditional crops such as breadfruit into our diets and food system.



Taylor Kellerman

CONCURRENT SESSION 2**Cracking the Nut on Affordable Housing on Farm Land in Hawai'i****1:15 PM – 3:30 PM, includes 15-minute break, Room 310****Moderator:** Albie Miles, *University of Hawai'i - West O'ahu*

This panel discussion will engage the key question of how to increase affordable housing for farmers on Hawai'i's public and private agricultural lands while preventing unintended non-agricultural development. The views of stakeholders from relevant government planning agencies, Hawai'i Department of Agriculture, Kamehameha Schools, private land owners, growers, and aspiring farmers will be represented. The goal of the panel discussion and follow-up working group will be to define physical and legal models through which farmers may have access to secure and affordable land and housing that enhances the viability of Hawai'i's small-farm sector while meeting the criteria of public and private landowners.

Panelists:

- Kamuela Cobb-Adams, *Kamehameha Schools, Community Engagement and Resources*
- Eugene Takahashi, *City and County of Honolulu, Planning Division (Invited)*
- Gary Maunakea-Forth, *MAO Organic Farms*
- Carl Bonham, *University of Hawai'i Economic Research Organization (Invited)*
- Dolores Foley, *UH Mānoa Department of Urban and Regional Planning, (Invited)*

Suggested Commitments:

Participate in dialogue that will lead to resolving issues of affordability of agricultural lands and affordable housing for agricultural producers.

Ag Tourism: Diversifying Economic Opportunity**1:15 PM – 2:15 PM, Room 306A****Moderator:** Taylor Kellerman, *Agricultural Leadership Foundation of Hawai'i*

Hawai'i's visitor industry numbers are at all-time highs, and visitors continue to look beyond the surf and sand for new activities. There is also the hot foodie and locavore movements – all reasons to explore ag tourism as a means to diversify and expand agricultural businesses. Attend this session to learn more about the global trends and media strategies that are driving this new opportunity. What educational and service aspects work well, and what value-added products and ready-made markets can support the success of such enterprises. What county and state permits are required including zoning and food service permits, insurance and more. Explore the successes and challenges of building a profitable ag tourism operation, and how the blending of food production and the visitor industry can create new economic viability.

Speakers:

- John Morgan, *Kualoa Ranch*
- Pomai Weigert & Lani Weigert, *Hawai'i Agritourism Association*
- Brooke Hansen, *University of Hawai'i at Hilo, College of Agriculture, Forestry and Natural Resource Management*

Suggested Commitments:

Engage with other companies with similar interests and needs to learn, leverage and grow collectively. Diversify business models to engage with and include local communities. Develop, new, non-traditional models for food production and opportunities for open space preservation. Learn what county and state rules and regulations are applicable to ag tourism and assure compliance which benefits the operators, neighbors and customers.

PROGRAM DETAILS

Tuesday, August 29, 2017

Three Ways to Build a Food System for Hawai'i's Future

1:15 PM – 3:30 PM, includes 15-minute break, Room 306B

Moderators: Tina Tamai, *The Hawai'i Good Food Task Force* and Kristin Frost Albrecht, *The Food Basket Inc., Hawai'i Island's Food Bank*

Through growing, marketing, distributing, and consuming local food, there are limitless opportunities to shape our future. In this symposium, three different community networks will be highlighted building stronger networks to increase healthy food access: 1) schools, 2) healthcare centers, and 3) food banks. This panel will also feature nationally recognized food system economist, Ken Meter, to present the results of a new report, "Hawai'i's Food System: Food For All." Troy Keolanui, of OK Farms, will provide a farmer's perspective on the challenges and opportunities in growing for local markets. Finally, a presentation of the results of a community food systems GIS mapping initiative, depicting the locations of food assets that can be leveraged to build a food system for Hawai'i's future.

Panelists:

- Ka'iulani Odom, *Kokua Kalihi Valley Health Center, ROOTS Program*
- En Young, *Hawai'i Food Basket*
- Robyn Pfahl, Esq., *Hawai'i Department of Agriculture, Farm to School*
- Troy Keolanui, *OK Farms*
- Ken Meter, *Crossroads Resource Center*
- Daniela Kittinger, *Hawai'i Department of Health, SNAP-Ed Program*

Suggested Commitments:

Seek unconventional local market opportunities through schools, healthcare centers and food banks. Build and support community-based farm-to-fork cooperative models and partnerships. Explore policy development that addresses a more self-determined economy in Hawai'i.

Part 1: The (K)new Agriculture: Generational Perspectives of Growing Farmers on the Land

1:15 PM – 2:15 PM, Room 308AB

Moderator: Neil J. Hannahs, *Ho'okele Strategies* and Manulani Meyer, Ed.D., *UH West O'ahu*

The (K)new agriculture is our term for an agriculture that embeds 'ike Hawai'i (indigenous knowledge and insight) as foundational- emanating through all parts of our agricultural system. If agriculture is the science, art and practice of farming, including the cultivation of soil for the growing of crops and the feeding, breeding, and raising of livestock, then- indigenous agriculture involves drawing on native, place-based knowledge, values, principles and cultural connections related to agriculture. (K)new agriculture creates pono, adaptive, sustainable and resilient farming systems that reflect our community's unique social, economic, and environmental context- past, present and future. Session 1 will include a panel of practitioners from three different generations, who will discuss how (K)new agriculture is not only inherent, but critical for success in their agricultural work, which includes growing a new generation of farmers. There will be ample time for audience questions to begin to discuss opportunities and challenges to (K)new agriculture moving forward.

Panelists:

- Eric Enos, *Ka'ala Farms*
- Nate Gyotaku, *KUPU Hawai'i*
- Cheryse Kauai Sana, *MA'O Farms*

Suggested Commitments:

Support the development of (K)new agricultural systems that simultaneously cultivate economic prosperity, ecological resilience, and social equity, diversity and inclusion. Incorporate at least one principle of indigenous agriculture into my farming practices. Seek out and get to know farmers utilizing indigenous agricultural techniques in your community. Ask your local grocery store to stock one more product of indigenous farming.

CONCURRENT SESSION 3

Continued: Cracking the Nut on Affordable Housing on Farm Land in Hawai'i

See Concurrent Session 2 for complete information.



Growing Agriculture with Technology

2:30 PM - 3:30 PM, Room 306A

Moderator: Jesse Cooke, *Ulupono Initiative*

Whether it's pursuing the \$300 million opportunity, supporting our local farms and communities or sustaining the 'āina for future generations, Hawai'i is on the path to growing its local agriculture through the deployment of technology. This session will focus on how farmers are able to utilize technology to bring their enterprises into the 21st century. Listen as knowledgeable professionals share the latest in technology to support crop management, adaption to weather conditions, connecting with potential markets and effectively managing natural resources.

Suggested Commitments:

Use technology to manage farmland utilizing public weather sensors/data. Connect with local farms and new markets via websites and applications. Use technology to learn about and install best management practices for natural resource stewardship.

Speakers:

- Michael Rogers, *Smart Yields*
- Hunter Heavilin, *Farm Link Hawai'i*
- Stephanie Mock, *O'ahu Resource Conservation & Development Council (O'ahu RCD)*



Continued: Three Ways to Build a Food System for Hawai'i's Future

See Concurrent Session 2 for complete information.

Part 2: (K)new Agriculture: Scaling Local Success to Meet Regional Demand

2:30 PM - 3:30 PM, Room 308AB

Moderators: Neil J. Hannahs, *Ho'okele Strategies & Manulani Meyer, Ed.D., UH West O'ahu*

Continuing from the previous session (see page 34), Part 2 will focus on the practical successes and challenges to developing (K)new agriculture concepts into a sustainable business model. Our two panelists will discuss examples of successful scaling up of (K)new agriculture in Hawai'i and Oregon. Then, this highly interactive session will include participant roundtable discussions around innovative solutions and commitments towards sustaining an indigenous agricultural sector, including supporting a (K)new agriculture network to continue the conversation after the conference.

Additional Panelists:

- Kamuela Enos, *MA'O Farms*
- David Stone, Ph.D., *Food Innovation Center, Oregon State University*



Taylor Kellerman

PROGRAM DETAILS

Tuesday, August 29, 2017

CONCURRENT SESSION 4

Grow Me the Money

3:45 PM - 4:45 PM, Room 310

Moderator: Diane Ley, *Agricultural Leadership Foundation of Hawai'i*

In most cases, resources are stretched thin, particularly when it comes to agriculture production, infrastructure, access to land and capital. How can public/private collaborations help to achieve a win-win for all parties? Attend this session to learn more about the approach 'Āina Ho'okupu O Kilauea took in working with the County of Kauai and others to clean up degraded land and establish a thriving community agriculture park. Next the non-profit, National Fish and Wildlife Foundation will share information about available federal resources to support producers in their efforts to effectively manage the natural resources to the benefit of their own property and healthy land and coastal ecosystems. So, you still need cash to take your dream or operation to the next level? Learn about a wide range of public and private financing options for land purchases, refinancing, operations, processing facilities, storage and more.

Speakers:

- Jonathan Birdsong, *National Fish and Wildlife Foundation*
- Collin Darrell, *'Āina Ho'okupu O Kilauea*
- Jason T Okuhama, *Commercial and Business Lending*

Suggested Commitments:

Make connections – public and private – to turn potential projects into real action. Explore how federal resources may be used to effectively manage Hawai'i's natural resources. Explore available financing options to meet business needs.

Grower-Buyer Meet-Up Introduction

3:45 PM - 4:45 PM, Room 306A

Moderator: Derek Kurisu, *KTA Super Stores*

Building relationships with local growers and buyers requires clear and effective communication targeting the needs of your audience. This interactive session will inform your understanding of how successful relationships are built between local buyers and local producers. Hawai'i's humorous aggie and buyer for KTA Super Stores, Derek Kurisu will MC the stage and share best practices for building these relationships. Coordinators encourage participants to bring existing marketing materials and use this time to reflect on opportunities to improve them. Check in with Derek and coordinators to improve your pitch for the Grower-Buyer Meet-up on August 30th.



Taylor Kellerman

Biosecurity and Agriculture

3:45 PM - 4:45 PM, Room 306B

Moderator: Donna Ching, *Agricultural Leadership Foundation of Hawai'i*

Hawai'i's farms and forests are under attack from invading insects, diseases, slugs, frogs, and other unwanted guests. Invasive species are stretching tight resources even tighter; thus, we need to increase resources where we can and learn to work together more effectively. Attend this introductory session to the Hawai'i Interagency Biosecurity Plan to learn about the State's 10-year plan to strengthen protections for agriculture, the environment and communities from invasive species. This plan, produced through collaborative workshops and public meetings, outlines major infrastructure and technology investments, describes reforms to internal policies and processes, and identifies strategies to better engage and empower growers and the general public in decision making. Learn about this "all hands on deck" approach to improving pre and post entry systems, research, rapid response strategies and cost effective management tools, and provide your input as a grower on how Hawai'i's biosecurity system can best support you.

Panelists:

- Joshua Atwood, *Hawai'i Invasive Species Council*
- Additional speakers to be determined

Suggested Commitments:

Advocate for federal and state to increase staff capacity and adequately fund biosecurity facilities, monitoring technology, mitigation tools, and control and eradication programs. Identify opportunities for growers to engage in decision making regarding biosecurity and invasive species. Identify support needed by growers to mitigate invasive species impacts on production.



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PROGRAM DETAILS

Tuesday, August 29, 2017

Loko I'a: Restoration to Food Production

3:45 PM - 4:45 PM, Room 308AB

Moderators: Hi'ilei Kawelo, *Paepae o He'eia* and Brenda Asuncion, *Kua'āina Ulu 'Auamo*

Loko i'a are traditional Hawaiian fishponds, once prevalent throughout the islands and important sources of abundance in thriving communities. Loko i'a are innovative systems that enhance the natural nearshore environment, mitigating nutrient runoff, protecting shorelines, and amplifying estuarine productivity. Hui Mālama Loko I'a is a statewide consortium of loko i'a stewardship organizations and kia'i loko (fishpond guardians), formed in 2004 and currently representing nearly 40 sites and complexes. Many participants in Hui Mālama Loko I'a have been restoring sites from decades of neglect and absence of active management. After many years of this work, the tone of purpose and function of the hui has evolved to focus on reactivation of loko i'a throughout Hawai'i. This forum will feature a panel of kia'i loko from several different islands, representing diverse situations and perspectives of modern kia'i loko and mahi i'a (fish farmers).

Panelists:

- Keli'i Kotubetey, *He'eia Fishpond (Paepae o He'eia)*
- Luka Mossman, *Hale o Lono Fishpond (Edith Kanakaole Foundation)*
- Ikaika Valez, *Moli'i Fishpond (Kualoa Ranch)*
- Buddy Keala, *Loko 'Ea Fishpond (Malama Loko 'Ea)*

Suggested Commitments:

Learn about and get involved in volunteer work at loko i'a in your home area. Commit to mālama (care for) the areas surrounding loko i'a, since mauka activities affect fishponds, and makai fisheries ultimately provide the stock for fishponds.

.....

Commitments: "Our world is changing. You can help shape its future."

5:00 PM - 5:30 PM, Room 310

Throughout the day, speaker after speaker will have addressed the need and the opportunities before the agricultural sector to identify commitments that will have the potential to generate collective impact to support the growth of Hawai'i's agriculture and its future vibrancy. Conference participants also will have had opportunities to express their own individual commitments. Join this quick session in which the most widely held commitments will be shared, followed by a bit of 'food for overnight-thought' and an invitation to join a working session the following morning to drill down on potential challenges and opportunities for future work on selected commitments.



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FARM TO TABLE TASTINGS, BEVERAGES & NETWORKING

5:30 PM – 7:30 PM, Rooftop Garden

Join us for “Farm to Table Tastings” where you can network with agriculture producers and professionals, foodies, backyard farmers, teachers, and students. Enjoy delicious food prepared by local chefs using local produce and meats. Friends of James A. Wriston III are hosting the first round of beverages for conference participants. This event is the perfect time to make new connections and renew friendships. We look forward to seeing you there!

See page 24 for featured restaurants.



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PROGRAM DETAILS

Wednesday, August 30, 2017

REGISTRATION

8:00 AM – 9:00 AM, Outside Room 313



AGxChange

Throughout Conference, Room 313ABC

Visit AG2017 exhibitors in the AGxChange room to learn about innovative practices, discover resources that can help you grow your business and connect with others who believe agriculture is an important part of Hawai'i's future. Businesses, government agencies and nonprofit organizations will all be represented at the AGxChange—offering up talks, poster presentations and café-like seating areas, with free wi-fi, food and beverages. AGxChange will be open throughout the conference - please stop by!

NEXT GEN: The Future of Hawai'i Agriculture

8:00 AM – 8:45 AM, Room 310

Moderator: Ashley Willits, *Future Farmers of America*

Panelists: Hawai'i FFA Students

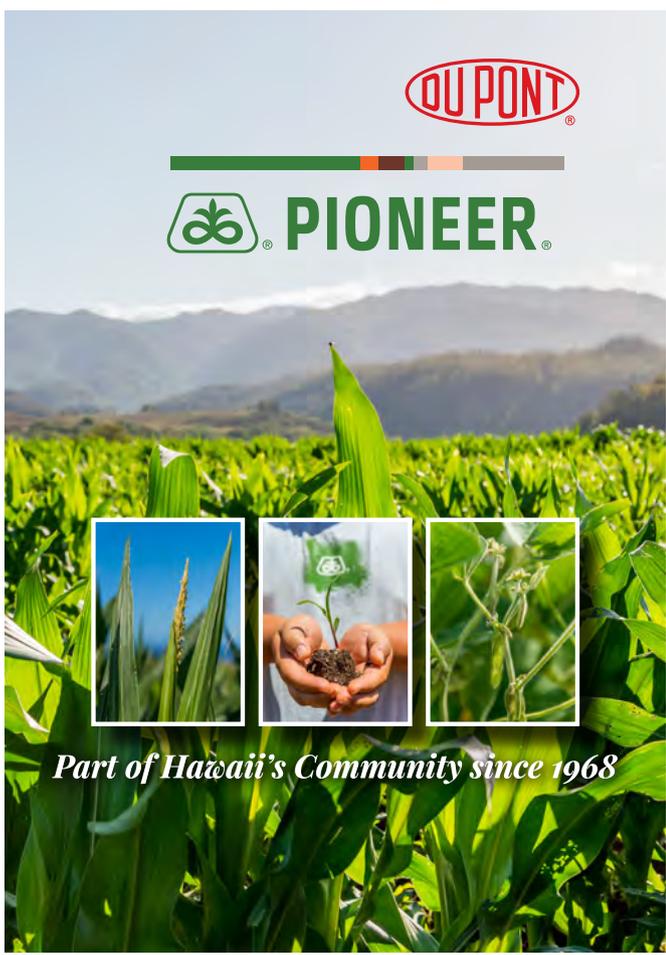
Join Future Farmers of America (FFA) Eastern Region Vice-President Ashley Willits as she provides an overview of one of America's longest established youth leadership organizations and makes a call to action in support of FFA's future. Then listen with intent as a panel of Hawai'i FFA high school students talk about their preferred future for the agricultural sector and what specific commitments they would ask the adults at the Conference to make towards that preferred future.

Suggested Commitments:

Lobby for support of agriculture education as a high priority for the State. Share the message that FFA and AG students can use more support in the classroom and for extracurricular activities. Address critical issues related to agricultural land, housing, transportation, etc. Hire a student and provide direct mentorship.



Aaron Yoshino



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PROGRAM DETAILS

Wednesday, August 30, 2017

CONCURRENT SESSION 5

Scaling-up Production & Profits with Cooperatives & Food Hubs

9:00 AM - 10:00 AM, Room 310

Moderator: Matt Johnson, *Agricultural Leadership Program*

The profile of farms in Hawai'i is typically small with a significant number of family-run and part-time operators. This can result in operational and fiscal challenges and missed opportunities to meet expanded market opportunities and increase profits. Even mid-size operations find their businesses pressed to meet a myriad of regulations, manage risks and expeditiously take advantage of opportunities. A growing number of producers are taking a look at or a second look at cooperatives or variations on the cooperative model to achieve common goals. In this session learn about a group of producers committed to implementing a common on-farm food safety program and quality management system to meet industry recognized good agricultural practices and compliance with the Food Safety Modernization Act. Taking the next step learn how cooperation through food hubs can serve as the coordination arm for product aggregation, safe food assemblage, distribution and marketing; thereby collectively strengthening the ability to meet large scale retail, wholesale and institutional market opportunities. By working together, producers can reduce costs, identify the resources to expand production, access new and expanded markets and allow for expanded production and increased profits.

Speakers:

- Paul Arinaga, *Friends with Farms Agricultural Cooperative*
- Collin Darrell, *Āina Ho'okupu O Kīlauea*
- Kevin Kelly, *North Shore EVP*

Suggested Commitments:

Support local farmers by buying local. Support farmers' access to land, publically supported storage and distribution infrastructure and information. Support producers in bridging the gap to achieve and maintain food safety certification. Learn more about cooperative models, resources and guidance offered through the USDA Rural Development. Scale up my farm operation by collaborating with other producers.

Value Added: Doing it Right from Harvest to Sale

9:00 AM - 10:00 AM, Room 306A

Moderator: Sydney Keli'ipuleole, *Agricultural Leadership Foundation of Hawai'i*

So, the farmer hits the mark on Good Agricultural Practices; the next step may be adding value to that product, but it is critical to 'do it right' to maintain a safe product all the way to the consumer. In this session learn about the art and science of processing and preserving locally grown foods available through the Hawai'i Master Food Preservation Certificate Training and the latest from the Oregon's Food Innovation Center, which specializes in product and process development, package engineering and shelf life, food safety training, market access and consumer sensory testing. Finally, learn about the Maui County public/private partnership which launched an on-line marketing hub for vendors of "Made in Maui" agricultural value-added products; thus, establishing a 24/7 marketing presence and expanded relationships between producers and value-added entrepreneurs.

Speakers:

- Cindy Reeves, *PhD, MPH, UH Mānoa CTAHR*
- Luisa F. Castro, *Ph.D., Hawai'i Department of Agriculture*
- Dave Stone, *Ph.D., Food Innovation Center, Oregon State University*

Suggested Commitments:

Commit to purchasing locally grown and value-added agricultural products. Increase your knowledge and appreciation for safely growing, preserving and storing foods. Access the latest in innovation and technology related to product and process development, packaging and shelf life, market access and consumer demands.



Taylor Kellerman

Growing New Farmers and New Markets: Farmer Training and Farm to School

9:00 AM - 10:00 AM, Room 306B

Moderators: Janel Yamamoto, *GoFarm Hawai'i* & Melanie Willich, *The Kohala Center*

Learn about the state of beginning farmer training in Hawai'i and the many organizations behind the training programs and approaches to developing new farmers for Hawai'i. Hear directly from some of the largest and most successful training programs, both public and private, and about a new network that is bringing these programs together to achieve a common goal – growing new farmers. Hear about the Hawai'i Farm to School Initiative and the pilot project at the Kohala school complex on Hawai'i Island that is developing a new market for locally grown food and providing a way for producers to make sure kid's plates include local foods!

Speakers:

- Jay Bost, *GoFarm Hawai'i*
- Melanie Willich, *The Kohala Center*
- Georgia Pinsky, *Hawai'i Farmers Union United*
- Anna-Lisa Okoye, *The Kohala Center*

Suggested Commitments:

Express support for continued funding and support for producer training programs. Donate to local training programs. Sign up for an AgCurious event. Host an AgXposure tour. Contact a local farmer training program to advise of land availability or for employment opportunities. Express support for continued funding for Farm to School Initiatives. Participate in sourcing local products for school food.

THE LEAN FARM: Applying the Lean System to a Farm or Ranch: A Vegetable Farm Example

9:00 AM – 11:45 AM, Room 308AB

Featuring: Ben Hartman, *Clay Bottom Farm and Author of "The Lean Farm"*

This workshop will explain in detail how Ben Hartman and his wife Rachel use the lean system to earn a com-

fortable living growing vegetables on less than an acre of land. He will explain lean concepts – like heijunka, kanban, and muda – that any farmer or rancher can use to increase their profits with less work.

Grower-Buyer Meet-Up

9:00 AM - 11:00 AM, Room 301AB

Moderator: Michelle Gorham, *O'ahu Soil and Water Conservation Districts*

In an effort to support local food producers, the public's growing interest in local food, and the State's commitment to significantly expanding local food production, the Grower-Buyer Meet-Up is offered. The goal of this inaugural event is to facilitate connections that lead to successful sales relationships. The meet-up is a knowledge exchange designed to build understanding between well-suited growers and buyers about the business and communication needs on both sides to forge successful long-term relationships.

This event requires pre-work to participate. Growers and buyers will complete event registration forms and coordinators will pre-set meetings between growers and buyers based on compatibility. Register by submitting your form on-line or via email by August 5th; go to www.hiagconference.org for details.

Commitments: The Future of Agriculture in Hawai'i

10:15 AM – 11:45 AM, Room 310

This working session will afford Conference participants the chance to roll-up their sleeves and to collectively shape the future of Hawai'i's agriculture sector. Participants will identify next steps, champions and a communication process that will support moving the stated commitments from statements to action and moving forward to fulfilling the full promise Hawai'i's agriculture has to offer. Be sure to join us for this most important session.

SPECIAL SESSIONS

Wednesday, August 30, 2017



Kokua Hawaii Foundation

2017 Farm to School Symposium

12:00 PM – 5:00 PM, Room 306AB

Attend the 2017 F2S Symposium to learn about new F2S resources, explore successful procurement strategies, connect to local growers, discuss advancing agricultural education across Hawai'i, and bust some myths on school gardens, composting, and cafeteria rules with F2S pioneers and department officials. F2S Programs across Hawai'i will be recognized in a parade of programs and awards ceremony.

'Āina Ho'opulapula, From the Land We Flourish

1:00 PM – 4:00 PM, Room 308AB (By Invitation Only)

Department of Hawaiian Homelands (DHHL) will host this special agricultural workshop in conjunction with AG2017. Prince Jonah Kūhiō Kalaniana'ole had a vision to rehabilitate his Hawaiian people by returning them to their home lands. The Hawaiian Homes Commission and the Department of Hawaiian Home Lands have been awarding agricultural leases to their native Hawaiian beneficiaries for almost 100 years. Department staff will facilitate a workshop with DHHL agricultural beneficiaries to dialogue and create a picture of what agriculture looks like in the next 100 years of this Hawaiian land trust.



Future Farmers of America: Leadership Training

Ongoing throughout conference, Room 304AB (By Invitation Only)

FFA is an intracurricular student organization for (high and middle school students) interested in agriculture and leadership. FFA student leaders from across the State of Hawai'i will gather at AG2017 to learn how to become effective leaders by exploring their own purpose; how to take action; and how to value and serve others. The students will leave the conference with expanded knowledge and heightened confidence to act in ways that help their schools, community and country. FFA students will also participate in AG2017 plenary sessions where they will be exposed to sector-wide agriculture issues and in an interview panel discuss the future of agriculture and their plans to participate in that future.



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- Cover Crop Cocktails: Evaluating Costs & Benefits for Hawai'i Farms**
Dave Elliott, O'ahu Resource Conservation & Development Council, (Oahu RC&D)
Jayne Barton, Hawai'i Agricultural Research Center
Jean Brokish, Oahu RC&D
- FarmCorps Hawai'i**
Shannon Ramirez, FarmCorps Hawai'i (AmeriCorps), a program of Friends of Kona Pacific Public Charter School
- Food Waste: Metrics, Effects, and Hunger in Hawai'i**
Matthew Loke, Ph.D., Hawai'i Department of Agriculture & UH-CTAHR-NREM
- Hops as a New Crop for Hawai'i Farmers**
Cindy Goldstein, Ph. D, Ag Matters LLC
- Mākeke Mahi'ai 'O Wai'anae: A Community Health Center Approach to Supporting Local Agriculture**
Alicia Higa, Waianae Coast Comprehensive Health Center
- Oceanic Institute's Feeds Research & Pilot Production Facility: An Opportunity to Enhance Island Food Security**
Dr. Fabio Soller, Oceanic Institute of Hawai'i Pacific University
- Sustaining the 'Āina for Future Generations: A Detailed Look at Monsanto Hawai'i's Sustainable Farming Practices**
Joe Para, Monsanto Company
- Towards a Hawai'i Soil Health Index: Water stable aggregates and carbon pools following change from conventional to conservation management**
Hannah Hubanks, University of Hawai'i at Mānoa, NREM
- Vertical Farming's Role in Hawai'i Agriculture**
Kerry Kakazu, Ph.D., MetroGrow Hawai'i
- Water Diversion: Assessment of Optimal Water Flow for Sustainable Ecosystem Functions in Kawainui Marsh and Agricultural Activities in Waimanalo**
Kristen Harmon, University of Hawai'i at Mānoa, NREM



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Youth in Agriculture

The 2017 Hawai'i Agriculture Conference welcomes the following educational programs, students and advisors/teachers. By participating in the conference, the students will have significant opportunities to learn, engage and grow as future agricultural leaders and practitioners. Take a minute to thank the advisors and teachers and acknowledge the students as they truly are *"the future of agriculture in Hawai'i."*



KUPU

Description: Kupu offers opportunities for youth and young adults age 17 and older throughout the state of Hawai'i, as well as Midway and American Samoa

Mission: To empower youth to serve their communities through character-building, service-learning, and environmental stewardship opportunities that encourage pono (integrity) with ke Akua (God), self, and others.

Website: <http://www.kupuhawaii.org>



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Website: www.ctahr.hawaii.edu



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Website: <http://www.uhwo.hawaii.edu/academics/degrees-and-certificates/bachelor-of-applied-sciences/food-systems/>



Youth in Agriculture



MA'O ORGANIC FARMS

Description: MA'O works with students from pre-K to post-secondary who are from the Wai'anae Moku or have roots to the moku. The MA'O Youth Leadership Training engages youth through an 'auwai (pathway) of programs that foster educational attainment while training them as mahi'ai (farmers) at the real-time, community-based social enterprise MA'O Organic Farms. College programs also provide tuition for youth to pursue a two-year, Associate of Arts program with a Certificate in Community Food Systems from Leeward Community College, after which, apprenticeships are available and students can pursue baccalaureate degrees and participate in externships with partner organizations in the fields of health, education and business.

Website: <http://maoorganicfarms.org>

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FUTURE FARMERS OF AMERICA

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Mission: To make a positive difference in the lives of students by developing their potential for premier leadership, personal growth and career success through agricultural education.

Website: www.hawaiiiffa.wwbley.com

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