

December 2018 – Events and Announcements

Dear Growers and Friends,

We would like to take this opportunity to extend our gratitude to you, our volunteers, support staff, partners, colleagues, collaborators and funding agencies, for making 2018 a year filled with achievement and blessings. Your time, feedback, assistance, teachings, and encouragement are all very much appreciated. Thank you for making all that we can do for you as well, possible.

We are very proud to share our accomplishments of the past year with you. In 2018, we...

- Hosted, co-hosted and participated in 40 outreach events including hands-on workshops, field days, conferences and expos.
- Co-organized the 2018 CBB Conference.
- Educated over 930 growers and participants during workshops and field days.
- Informed more than 20,000 attendees at public and industry conferences and expos.
- Published and presented nine Extension publications, videos and posters.
- Delivered presentations about Hawaii's CBB IPM Recommendations and other production challenges to coffee producers at the World Coffee Science Summit in San Salvador, El Salvador and at the California Coffee Summit held at Cal Poly Pomona.
- Visited 65 farms to diagnose coffee and other orchard crop problems and provide farm management guidance; an 85% increase over prior year farm visits.
- Continue to conduct applied research and educational projects on topics such as CBB control, coffee root-knot nematode, pruning, pesticides, rootstock germplasm, a citrus variety trial, and PBO residues at the Kona Research Station and collaborating farms.
- Directed, co-directed or collaborated on eight grant-funded projects totaling \$363,349 in support of Hawaii growers. Mahalo CTAHR, USDA, HDOA, County of Hawaii, Maui County, and Western Extension Risk Management Education for your financial backing!

As 2019 approaches (and rather quickly), we hope you will consider investing in the future of coffee, avocado, macadamia nut, citrus and other Hawaii-grown crops by donating to the Friends of the Kona Extension Office and Research Station foundation account. With your generous donation, we will continue to provide important and useful information from our humble center. Your contribution is tax-deductible and will stay in Hawaii to benefit growers who learn from projects and outreach events provided by Kona's Cooperative Extension and research staff. If you would like to donate, please contact Andrea (andreak@hawaii.edu or 808-322-4892) or visit <https://bit.ly/2hjZk7K>.

Thank you for your support of our programs and warm aloha. On behalf of the faculty and staff of the Kona Cooperative Extension and Research Station, we wish you a safe and joyous holiday and an inspiring new year.

- Andrea, Matt and Jen





Coffee Root-knot Nematode Project Field Day



Avocado Grafting Workshop



Coffee Grafting Workshop



Coffee Pruning Project Field Day



CBB Conference



KFA Expo Booth



Kona Coffee Cultural Festival Booth



Long-term Coffee Root-knot Nematode Project Team



California Coffee Summit



Banana Macropropagation Workshop



Coffee Desuckering Field Day



World Coffee Science Summit in El Salvador

UH CTAHR Cooperative Extension Offices will be closed on the following days:

Tuesday, December 25th, in observance of Christmas Day

Visit <https://www.hawaiicoffeeed.com/events-and-announcements> for additional information on the following events, announcements and more.

CTAHR Extension Agent Interview Seminars

Seminar topic: **“Vision and Approach to Expand Sustainable and Organic Agriculture Program on Oahu”**

Dr. Raju Pandey
Friday, Dec. 7th, 2018 @ 10:30 am
St. John 106, Manoa Campus
Zoom link: <https://zoom.us/j/110597284>

Dr. Amjad Ahmad
Tuesday, Dec. 11th, 2018 @ 10:30 am
St. John 106, Manoa Campus
Zoom link: <https://zoom.us/j/544561692>

Mr. Mitchell Loo
Thursday, Dec. 13th, 2018 @ 10:30 am
St. John 106, Manoa Campus
Zoom link: <https://zoom.us/j/582464077>

Seminar topic: **“Developing a Livestock Extension Program in Hawaii County”**

Whitney Boteilho
Monday, Dec. 10th, 2018 @ 10:30 am
Ag. Sci. 219, Manoa Campus
Zoom link: <https://zoom.us/j/378407287>

Melelani Oshiro
Wednesday, Dec. 12th, 2018 @ 10:30 am
Ag. Sci. 219, Manoa Campus
Zoom link: <https://zoom.us/j/378407287>

Cacao Drying Workshop

Friday, December 7th, 2018
Komohana Research and Extension Center Room D202
875 Komohana St.
Hilo, HI 96720

UHM CTAHR and the County of Hawaii invites you to learn about cacao drying and the preliminary results of Colin Hart's thesis trial on cacao drying.

This workshop will cover cacao drying with the commercial processor in mind.

This is a great opportunity to learn about drying cacao in Hawaii and to network with your fellow cacao dryers and processors.

For more information visit <https://bit.ly/2PZOnfh>

2019 Master Cho Natural Farming Hawaii/JADAM Seminar & Local KNF Course

Friday, Jan 11 & Saturday, Jan 12, 2019

10:00 am – 5:00 pm

Hilo Korean Christian Church

17-248 Volcano Drive,

Kurtistown, HI 96760

Join 3 generations of Cho for a two day seminar on the Big Island of Hawaii. Additionally Local Master Cho Certified teachers will be holding a hands on certification course, encompassing 6 afternoons of valuable information, prior to the seminar, in Hawaiian Paradise Park.

For more information please visit <https://bit.ly/2ByMA81>

Hawaii Freshwater Prawn Farming Workshop by Hawaii Department of Agriculture

Outline

The workshop will give the participants the tools to produce freshwater prawns, through all stages of their production lifecycle in the required areas of knowledge and skill sets below.

Scope and Timing

The course will be composed of 6 once weekly (Saturday morning 8:00 am - 12:00 pm) sessions of 2 hours theory and 2 hours practical participation in the production cycle.

Venue

UH College of Agriculture, Panaewa

Course Topics

Natural biology and life cycle, distribution, identity and morphology, growth and survival, food, and feeding habits.

Prawn hatchery - site and environmental requirements, components, feeding, water quality and hatchery operation. Larval stages and monitoring.

Routines and record keeping for hatchery. Post larval - transportation and nursery procedures.

Grow out and pond preparation and management

Post harvest physiology and food safety

Economics of Freshwater Prawn culture

Practical study

Participants will spend from 6 two hour practicals running all stages of hatchery production (this during the overall period of the 6 sessions)

Saturday Sessions: Please inform your capability of attending and if any dates are problematic.

December 2018: 8th, 15th

January 2019: 5th, 19th

February 2019: 5th, 9th

If you're interested in signing up or have questions, please email Liz.J.Xu@hawaii.gov

HTFG 2019 Conference: Save the Date

September 27-29
Royal Kona Resort
Focus on Brazil

CBB Subsidy Reminder

The HI Department of Agriculture CBB Subsidy Program is currently offering 50% back on all original receipts for *Beauveria bassiana* purchased between 7/1/17 and 6/30/18, with an annual cap of \$600 per acre and \$6000 per farm.

Your farm is probably busy with coffee harvest, and you have until June 30, 2019 to apply for this annual reimbursement. Please do take advantage of this state support for your CBB IPM while the funding is still available. The program Application is attached to a Grower Survey, which is critical information for extension and researchers about your coffee farm and CBB IPM practices.

Visit <https://bit.ly/2zsLJUJ> to start your application online. You can also email HDOA.CBB@hawaii.gov, call 808-323-7578, or stop by the office at the Captain Cook Civic Center Rm #7 for a paper application or with questions.

Thank you!

-Melanie

<http://hdoa.hawaii.gov/pi/main/cbbsubsidy/>

Crop Insurance Meeting Opportunities – Big Island

If you are interested in learning about or acquiring crop insurance, Bonnie Lind of Lind Insurance Services, welcomes farmers to meet with her on the Big Island between Nov. 13 and Nov. 16, 2018. Please contact her if you are interested in a meeting and for more information.

888-276-7728 toll-free 559-285-8973 cell phone (call or text) 888-708-1875 toll-free fax

Email agsecure@sbcglobal.net website www.LindInsuranceServices.com

AZ LIC NO 56402 CA LIC NO 0B76415 HI LIC NO 118279 MT LIC NO 970993

This email provides limited information, and the information herein cannot be considered an offer or guarantee of insurance coverage. See Risk Management Agency's website for complete policy language. Equal opportunity provider.

Mention of the agent and company does not constitute an endorsement, guarantee, or warranty by the University of Hawaii Cooperative Extension Service or its employees and does not imply recommendation to the exclusion of other suitable businesses, agents or agencies providing crop insurance.

LFA Control and Farm Visits by Hawaii Ant Lab Opportunity

Asmannia auropunctata (the Little Fire Ant or LFA) is one of Hawaii's most significant invasive invertebrate species. It has the potential to impact virtually every tropical fruit enterprise through promotion of phytophagous insects, interfering with beneficial insects, reducing pollination, stinging agricultural workers, and rejection of infested export commodities.

Nowhere is this impact more obvious than in Hawaiian tropical fruit enterprises which are comprised almost totally of specialty crops grown on small holdings. The East side of the Island of Hawaii have been struggling with LFA for some time, but more recently West Hawaii has begun to experience these impacts.

LFA are notoriously hard to control because of their social behavior and nesting habitat. Colonies are small but

numerous with a network of colonies all working together and sharing resources. LFA not only inhabit the ground, but are also nesting in trees; therefore, treatment is a three dimensional problem.

Hawaii Ant Lab received USDA Farm Bill funding to work with tropical fruit growers (all orchard crops) and bee keepers on LFA prevention and management strategies. If your farm is one of the many farms impacted by this invasive ant, please contact Heather Forester, Invasive Ant Extension Specialist, to schedule a visit.

Mahalo,
Heather Forester
Invasive Ant Extension Specialist
Hawaii Ant Lab
16 East Lanikaula Street
Hilo, HI 96720
(808)315-5656

NAP Sign Up for 2019 Ends December 1, 2018

Sign up for NAP 2019 ends on December 1, 2018 for Fruits, Vegetables, Grass, and Honey. If possible, call for an appointment.

For those vegetable growers who are not sure of planting in 2019, sign up anyway. Better safe, than be unprotected.

Update: Seeking Cooperators for Research Regarding Coffee

This is an update for Ryen Helzer's previous request. Please answer the following questions and email them to Ryen at ryenh@hawaii.edu

- 1) How many years have you been cultivating/studying coffee? "Kona coffee"?
 - 2) What do you know, or heard, about the future conditions of the coffee farming regarding climate change?
 - 3) What practices should Kona coffee farmers implement to decrease negative effects of climate change?
 - 4) How do you, or advise other farmer to use beneficial microorganisms in agricultural practices?
 - 5) What do you know about the effects of mycorrhizae fungi? Are these effects significant in your professional opinion?
 - 6) How many species of mycorrhizae are you aware of?
 - 7) What do you know about indigenous mycorrhizae species in Hawaii?
 - 8) How is weed control typically implemented in the Kona Coffee Region/ On your farm?
 - 9) What positive and negative effects in plant health are you aware of regarding the use of glyphosate herbicides?
 - 10) What agricultural practices are used to store, or effectively use, water during times of drought?
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Oahu Cooperative Extension: Romaine Lettuce E. Coli Outbreak

The Centers for Disease Control and Prevention have issued a Food Safety Alert on an outbreak of E. coli infections linked to romaine lettuce.

The CDC advises that consumers should:

- not eat romaine lettuce, and throw it away
- wash drawers or refrigerators where romaine lettuce was stored
- if you have symptoms of E. coli infection, see your healthcare provider and report your illness, if confirmed, to the Hawaii Department of Health

For more information visit <https://conta.cc/2TO072Q>

Hawaii County Producers May be Eligible for Emergency Conservation Program Assistance

Brush fires that occurred August 1 - 6, 2018 have caused severe damage in the Waikoloa area(s) of Hawaii County.

Farms and ranchers suffering severe damage may be eligible for assistance under the Emergency Conservation Program (ECP) administered by the Hawaii County Farm Service Agency (FSA).

For land to be eligible, the natural disaster must create new conservation problems that, if untreated, would:

- be so costly to rehabilitate that Federal assistance is or will be needed to return the land to productive agricultural use
- is unusual and is not the type that would recur frequently in the same area
- affect the productive capacity of the farmland
- impair or endanger the land

For more information please visit <https://bit.ly/2PY5UVi>

Cacao is Eligible for NAP Coverage

Cacao has recently been approved for NAP coverage. Anyone wanting NAP coverage for cacao needs to apply for coverage by December 1, 2018. Call Gail at 933-8369 or Debbie at 933-8340.

ECP Brush Fire Sign Up Period starts November 19, 2018

The sign up period for ECP (Emergency Conservation Program) for those farms/ranches that were affected by the brushfire starts on November 19, 2018 and ends on December 18, 2018.

ECP helps restore conservation structures destroyed by the brush fire such as fence, water tanks, pipelines, etc.

Please contact Keisan at 933-8342 to sign up or for more information.

Oahu Cooperative Extension: November 2018 Update

Visit <https://conta.cc/2KxfHvo> to view the newsletter. In this issue:

Tomato Yellow Leaf Curl Virus Screening
Wild Animal Deterrent: Electric Fence Field Day

Hawaii and Pacific Basin Farm Service Agency: November 2018 Newsletter

Visit <https://bit.ly/2SeQ1X8> for the newsletter. This issue includes the following:

- FSA Encourages Farmers and Ranchers to Vote in County Committee Elections
- December 1st -- NAP Deadline
- Acreage Reporting Dates
- Environmental Review Required Before Project Implementation

- Loan Servicing
 - Sign In/Sign up!
 - November 2018 Interest Rates
 - FSA Hawaii & Pacific Basin State Committee
 - Sign Up Today for Text Alerts from FSA
 - Hawaii County Mailing Address Update
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KCFA - The Independent Voice - December 2018 Newsletter

Visit <https://bit.ly/2Rw06ip> to view the newsletter. In this issue:

- CBB Subsidy Program
 - Kona Coffee Wins Paris Award
 - Single-Origin Saint Helena Coffee Selling \$160/lb
 - KCFA Board Nominations Sought for 2019-2020
 - How to Export Overseas
 - Kona Coffee Art for Sale
 - Why Specialty Coffee Costs So Much
 - Greenwell Debuts New Coffee Variety
 - Recipe: Christmas Coffee
 - Recipes wanted
 - Write to Us
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