

## **Kona Cooperative Extension – Events and Announcements Newsletter**

Volume 14: February 2020

**Dear Growers and Friends,**

The 2020 coffee berry borer integrated pest management recommendations for Hawaii coffee growers is in the process of being reviewed and published by the CTAHR Office of Communication Services. In the meantime, please find a draft of the various sections within this document at [HawaiiCoffeeEd.com](http://HawaiiCoffeeEd.com). Click on the “CBB Management” tab or hover your mouse over the tab to uncover the main topic areas of CBB management. Click each subject to learn more about new additions to the 2020 publication which includes updated information on the impact of feral and unmanaged coffee and the **importance of starting the season with as low an infestation as is feasible, then maintaining that with spraying and efficient harvesting.**

For growers **finished or nearly finished with harvest:**

- If not completed, strip pick ALL (green to ripe and raisin) coffee from trees as soon as possible, then prune and desucker as needed. Multiple strip-picks may be necessary to remove missed coffee.
- Keep records of coffee flowerings (initial, first major, etc.) and other farm activities, etc.
- Monitor for CBB infestation on young berries.
- If you see low numbers of berries with high CBB infestation, consider removing these berries if mature, or spraying if immature, to prevent CBB from continuing to infest these berries and create hotspots.
- Spray early in the season and as monitoring indicates to kill CBB in the A/B position and to keep infestation and bean damage low from the beginning of the coffee season.
- Growers might consider more frequent sprays when rain follows a dry period and when young berries are present on laterals.
- If young berries are present, consider removing traps from the field, cleaning and storing the traps for next winter.
- Fertilize as needed.

For growers **still harvesting and also with young, green berries** developing on the same laterals:

- Continue harvesting ripe to raisin berries, and spray to control CBB infesting young berries.
- Complete your harvest, strip-pick all mature green to ripe berries and raisins, and then prune and desucker as needed.
- Spray early in the new season and as monitoring indicates to kill CBB in the A/B position and to keep infestation and bean damage low from the beginning of the season.
- Growers might consider more frequent sprays when rain follows a dry period and when young berries are present on laterals.
- Traps may not be recommended for farms with year-round harvesting unless a break in berry production can be created.
- Fertilize as needed and maintain good farm records.

Economic models and our sampling research spanning three seasons, suggest that growers must **start with a low CBB infestation and damage rate and then maintain this low level** with monitoring,

spraying, field sanitation, and efficient harvesting, in addition to finishing the season with the end-of-season strip-pick. Starting as low as possible, provides growers the opportunity to complete the season with as low a bean damage rate, as possible. Front load your season with strip-picking, field sanitation, monitoring, and spraying to protect young, green berries, and consider it an investment into your farm's upcoming harvest.

**Mango:**

Protect mango flowers and branches from powdery mildew and/or anthracnose with approved fungicides. Multiple applications may be required for good control. Prophylactic treatment prior to panicle (flower stalk) emergence and bloom may be required in years that conditions favor disease.

**CTAHR Publications ([www.ctahr.hawaii.edu/site/Info.aspx](http://www.ctahr.hawaii.edu/site/Info.aspx)):**

- [The Impact of CBB on the Economics of Coffee Production in Hawai'i: 2007–2012 USDA Census Analysis](https://bit.ly/39dyIUk) - <https://bit.ly/39dyIUk>
- [A Pictorial Guide to Coffee Grafting](https://bit.ly/31z6ziD) - <https://bit.ly/31z6ziD>
- [Coffee Berry Borer IPM Flier](https://bit.ly/3bhWv1N) - <https://bit.ly/3bhWv1N>
- [Proceedings: 2018 Coffee Berry Borer Conference](https://bit.ly/2v9z36g) - <https://bit.ly/2v9z36g>

-Andrea


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**UH CTAHR Cooperative Extension Offices was closed on the following days:**  
Monday, February 17th in observance of Presidents' Day


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


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**COOPERATIVE EXTENSION**  
UNIVERSITY OF HAWAII AT MĀNOA  
COLLEGE OF TROPICAL AGRICULTURE AND HUMAN RESOURCES




Department  
of Agriculture  
STATE OF HAWAII



USDA

## Coffee Pruning and Leaf/Soil Sampling Field Day – Kona



**Registration is required. This class is limited to 30 participants.**  
RSVP at [www.HawaiiCoffeeEd.com/pruning](http://www.HawaiiCoffeeEd.com/pruning) or by contacting Matt at 808-322-0164 at least two days prior to the event.

**Wednesday, February 19, 2020**

**9:00 am – 11:30 am**

Kona Research Station  
79-7381 Mamalahoa Highway  
Kealahou, HI 96750  
(Google Map "Kona Cooperative Extension Office", not the address)

**AGENDA**

- 9:00 am - Welcome & introductions
- 9:10 am - Leaf and soil sampling demo
- 9:40 am - Basics of coffee pruning
- 9:55 am - Coffee pruning demo, Q&A
- 11:10 am - Field tour of pruning project
- 11:30 am - End of field day

UH-CTAHR welcomes you to participate in a coffee pruning and leaf and soil sampling demonstration field day event held at the Kona Research Station in Kaili. The goal of this event is for growers to learn about methods of coffee pruning, proper leaf and soil sampling procedures, and to tour an exploratory trial of different pruning techniques.

During the field day, participants will be provided a demonstration of the Kona-style and stump-pruning (with nurse vertical) techniques and then will be able to walk through the pruning trial. Trees in the trial were first pruned on Feb. 13, 2017. The first comparative harvest took place in the 2018-2019 season and second harvest in 2019-2020.

This event is co-sponsored by UH-CTAHR and USDA. The pruning trial was funded by HDOA.

Speakers include: Dr. Stuart T. Nakamoto, Andrea Kawabata and Matt Miyahira of CTAHR.

For more information or to register visit [www.hawaiicoffeeed.com/pruning](http://www.hawaiicoffeeed.com/pruning)

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### **ADSC is Open for Business**

ADSC is now fully operational. We can do all elements including Nitrogen, Carbon, and Crude Protein.

We apologize for any inconvenience.

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### **BioWorks Compatibility test - BotaniGard ES vs Rampart**

Here is a quick summary as stated by the lab:

There was no inhibition seen when BotaniGard ES and Rampart were tank mixed.

Rampart did not inhibit BotaniGard ES when sprayed onto actively growing colonies

There were no physical incompatibilities seen.

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### **How to Write a Business Plan**

#### **So you've started your business journey, but do you know where you're going?**

You need a map, a map for your business, and that's what a Business Plan is. It lays out the route to your business goals in both words and numbers, both preceded by a lot of thought.

#### **Focus your vision and develop your mission**

**Communicate to lenders**

**Develop a marketing plan**

**Project your sales and expenses**

All in the format of a Business Plan: a map guiding you to business success. Overwhelming? Maybe. One foot in front of the other; you'll get there.

**Wednesday, February 12, 2020**

**9:00 am - 11:30 am**

*Registration 8:45 am*

Hale Iako, Suite 119, NELHA (OTEC) Campus

73-970 Makako Bay Drive

Kailua-Kona, HI 96740

Fee: \$20

Register at <http://bit.ly/372sZtA>

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### **UPDATE: List of RESOURCE PARTNERS INFO - 2020 Ho'opili Na Mahi'ai**

2020 Ho'opili Na Mahi'ai "Farmers Gathering"

Come meet & "*talk story*" with representatives from valuable resources & other farmers.

Saturday, February 22, 2020

9:45 am - Check In

10:00 am - 3:00 pm - Event at Lanikeha Community Center

\*Lunch will be provided to registered attendees only

Attendees must register by February 15, 2020

To register call (808)553-8100 or visit <https://conta.cc/2v7LgbA>

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**YOU'RE INVITED**

**2020 HCCA CONFERENCE**

WHEN: MARCH 27TH, 28TH, 29TH  
LOCATION: HILO, BIG ISLAND, HAWAII

[www.hawaiichocolate.org](http://www.hawaiichocolate.org)





## Honey Bee Health Workshops & Lectures

### Food Animal Medicine Continuing Education Series (Part 3)

Dr. Meghan Milbrath, honey bee extension specialist from Michigan State University, will be featured in a series of workshops and lectures on Honey Bee Health (dates and times below). She manages the Sand Hill Apiary and is the Veterinary Information Network provider of many CE courses in honey bee health and management. Please join us!


- Hands-on Workshop for veterinarians, veterinary technicians, veterinary technology students, and extension personnel, 3 hours. **MUST RSVP TO ENSURE PPE IS AVAILABLE!!**
- Lecture (open to all), 1.5 hours (Oahu, Kamuela, Hilo, Lihue)

Dr. Jenee Odani (CTAHR Extension veterinarian), Dr. Christina Mogren (CTAHR Honey Bee Researcher), Savannah Katulski (CTAHR Livestock Extension Agent), Melelani Oshiro (CTAHR Livestock Extension Agent), Michael Dupont (CTAHR Livestock Extension Agent), Dr. Birendra Mishra (CTAHR Assistant Professor), and CTAHR Cooperative Extension will be assisting.


For more information or registration materials, contact Jenee Odani at [jsodani@hawaii.edu](mailto:jsodani@hawaii.edu) or (808) 956-3847

If you have needs due to your disability, please contact Halina Zaleski, CTAHR Cooperative Extension, at 956-7564 or [halina@hawaii.edu](mailto:halina@hawaii.edu) at least one day before the workshop.

Friday, 2/21: Oahu Workshop & Lecture  
Saturday, 2/22: West Hawaii Lecture (evening)  
Sunday, 2/23: Honokaa Workshop (morning)  
Sunday, 2/23: Hilo Lecture (evening)  
Monday, 2/24: Lihue Lecture (evening)  
Tuesday, 2/25: Lihue Workshop (morning)



**COOPERATIVE EXTENSION**  
UNIVERSITY OF HAWAII AT MANOA  
COLLEGE OF TROPICAL AGRICULTURE AND HUMAN RESOURCES



United States Department of Agriculture  
National Institute of Food and Agriculture

### **HCCA 2020 Conference Tickets are Now Live! + 2 Surveys**

Join us for this year's HCCA Conference taking place March 27-29, 2020 featuring 3 farm tours, networking events, and guest presentations!

Guest presentations will include: agri-tourism, small batch chocolate making equipment, blending to improve consistent flavor profiles, fermentation techniques, discussions about the long-horn beetle and of course cacao bean and chocolate tasting.

Additionally, we will be offering a FREE Cacao 101 Workshop on Friday March 27th for all conference



attendees and just \$50 (\$60 with lunch) for people not attending the conference. It will give new or prospective growers a crash course in all the "best practices" of cacao selection, growing, and post harvest processing (see agenda below).

HCCA Speakers include: Chuck Kerchner (Zorzal Cacao from the Dominican Republic), Greg D'lessandre (Dandelion Chocolate, San Francisco), David Menkes (Letterpress Chocolate, Los Angeles), Sheina Sim (USDA), Angela Fa'anunu (Assistant professor of tourism at UH Hilo), Kalisi Mausio (Hawaii Farm Trails App developer and farmer), Dave Elliott (director Oahu RC&D), Max Breen (UH researcher), and cacao farmers: Ben Field, Colin Hart, Susan Bassett, Will Lydgate, Ken Melrose and Dan Corson.

Full itinerary and tickets can be viewed at <http://bit.ly/2RHD6iV>

Please take a moment to participate in the following two surveys if they apply to you:

If you are a farmer, chocolate/cacao producer, or hold tours we welcome you to participate in this brief 5 minute survey to help us gain information to frequently asked questions for our website. To be a part of this survey go to <http://bit.ly/3aSyZSB>

The USDA has put together a short survey to assess the geographic distribution of the Queensland longhorn beetle on Hawaii island in addition to identifying volunteers (both growers with beetles and growers without) to participate in future trapping and other studies. To be a part of this survey visit <http://bit.ly/2OdVzBP>

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### **The State of Hawaii Needs Your Input**

The Hawaii State Legislature last year enacted a law mandating the Department of Business, Economic Development & Tourism (DBEDT) and the Hawaii Department of Agriculture (HDOA) to conduct a study to assess the impact of the deceptive misuse of Hawaii place names in the marketing of products without material ties to Hawaii (Act 258, SLH 2019).

The law mandates DBEDT and HDOA to gather insights from Hawaii-based farmers and they have retained a research firm to survey farmers and others. The firm, SMS Research & Marketing Services, has requested KCFA's assistance in obtaining farmer input by encouraging our members to participate in the survey. Particularly in light of economic damage to coffee farmers from "10% blends", KCFA fully agrees that farmer input is essential to this study and we encourage all members to provide their insights.

**Please request that the survey to be sent to you as a Hawaii coffee farmer by contacting Mr. Hersh Singer of SMS Research at [hsinger@smshawaii.com](mailto:hsinger@smshawaii.com).** The survey is 2 pages and is not difficult to complete.

The importance of having Hawaii coffee farmers provide information to DBEDT/HDOA can be confirmed by review of the following studies:

\*\*The 2018 United Nations/Food and Agriculture Organization publication on protecting regional agricultural product names -- <http://bit.ly/2OeX1nh>

The section on Kona Coffee in this study is at pp. 83-90--and it concludes that, "This coffee, with its unique typicality and a market with a major high-added-value demand does not enjoy any strong protection of its name, leaving the downstream stakeholders [not farmers] to reap the economic

benefits of the fame of Kona."

**\*\*The Marvin Feldman 2010 economic analysis of "Kona Blends"— <http://bit.ly/38SeKJ5>**

This study concludes that \$14.4 million or more are annually lost by Kona coffee farmers because of 10% Kona blends. \$14.4 divided by roughly 750 Kona coffee farms = an annual loss of more than \$19,000 for the average Kona coffee farm.

## **PLEASE REQUEST AND RETURN YOUR COMPLETED SURVEY**

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### **FSA Emails to be discontinued**

The Farm Service Agency has established a link that will allow you to subscribe to information regarding FSA program deadlines and program information through its GOV Delivery service. Type in to your browser or search engine: **[www.fsa.usda.gov](http://www.fsa.usda.gov)**

Click on the red email button found at the bottom of the page and type in your email address. You will be asked to type your email twice. A password is optional.

If the button doesn't work, here is the link to the GOV Delivery Page: <http://bit.ly/38Zl2XD>

Lastly, here is a list of programs we currently offer here in Hawaii County. Please stay in touch with us by subscribing to our newsletter and bulletins through GOV Delivery or you can always speak to one of us by calling 808-933-8381 ext 2.

NAP... Noninsured Crop Disaster Assistance Program. Sign up for 2021 protection. Provides financial assistance to producers of noninsurable crops to protect against natural disasters that result in lower yields or crop losses.

WHIP+... Wild Fires, Hurricanes Indemnity Program for 2018  
For Hawaii County this includes the Volcanic Eruption.  
Provides assistance to eligible producers who suffered losses to crops, trees, bushes and vines.  
Sign up for WHIP benefits are ongoing.

LFP...Livestock Forage Program  
Sign Up is ongoing for 2019 loss. Last day to signup is January 30, 2020.  
Provides payments to eligible livestock owners and contract growers who have covered livestock and who are also producers of grazed forage crop acreage that suffered grazing losses due to a qualifying drought.

LIP...Livestock Indemnity Program  
Available for 2020 loss.  
Provides benefits to eligible livestock owners or contract growers for livestock death in excess of normal mortality or reduced sale prices for owned livestock due to injury caused by eligible loss conditions.

ELAP...Emergency Assistance for Livestock, Honey Bees and Farm Raised Fish Program  
Available for 2020 loss. Provides emergency assistance to eligible producers of livestock, honey bees and farm-raised fish loss from eligible adverse weather event or loss conditions.

ECP...Emergency Conservation Program  
Provides emergency funding and technical assistance to farmers and ranchers to rehabilitate farmland



damaged by natural disaster and to implement emergency water conservation measures in periods of severe drought.

**TAP...Tree Assistance Program**

Available for 2020 loss. Provides financial assistance to eligible orchardists and nursery tree growers to replant or rehabilitate eligible trees, bushes, and vines lost by natural disasters.

**CREP...Conservation Reserve Enhancement Program**

Sign Up is ongoing.

Provides financial and technical assistance to improve water quality and enhance wildlife habitat through the establishment of riparian buffers, hardwood trees and the restoration of wetlands.

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**Southwest Climate Hub Bulletin - January 2020**

To view the full newsletter visit <http://bit.ly/2RXnze1>

In this issue:

- Drought Learning Network: Communities learning from Communities
  - FireCLIME Vulnerability Assessment Tool
  - Diné Women in Agriculture and the Importance of Our Water
  - Optimizing Forest Management Stabilizes Carbon Under Projected Climate and Wildfire
  - Community Forest Adaptation Training
  - Climate reporting for the Southwest
  - Funding Opportunities
  - Job Opportunities
  - Events & Announcements
- 

**News from the Sustainable and Organic Program @ CTAHR**

Visit <http://bit.ly/2WUe1Rs> to view the latest newsletter.

In this issue:

- Juice Yield of Hawaiian Sugarcane (Kō) Varieties
  - Ecosystem Enhanced Screenhouse Cucumber Production
  - The Use of Crop Residues on the Farm
  - The Importance of Keeping Records for Farmer's and Rancher's Taxes
  - Molokai Beginning Farmers Quarterly
  - Agriculture Leadership Foundation of Hawaii
  - The Hawaii Seed Growers Network
  - Publications & Programs
  - Organic Update
  - Upcoming Events
- 

**Hawaii and Pacific Basin Farm Service Agency January 2020 Newsletter**

Visit <http://bit.ly/2RMzk6K> to view the full newsletter.

In this issue:

- Changes in Your Farming Operation
  - Payments to Deceased Producers
  - Filing CCC-941 Adjusted Gross Income (AGI) Certifications
  - Communication is Key in Lending
  - Livestock Inventory Records
  - USDA Microloans Help Farmers Purchase Farmland and Improve Property
  - USDA Announces Streamlined Guaranteed Loans and Additional Lender Category for Small-Scale Operators
  - January 2020 Interest Rates
  - Sign Up Today for Text Alerts from FSA
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### **CTAHR Notes Issue 422 - January 2020**

To view the full newsletter visit <http://bit.ly/38xBON9>

In this issue:

- Protect the Avos!
  - Got a Date?
  - Ready for Your Closeup?
  - Wearable Design
  - FETCHing Some Engagement
  - Gay Styles
  - Co-KEE! Co-KEE!
  - Spittlebugs on the Move
  - Beginning With the Beans
  - Alumni Learning and Connecting
  - Good Advice
- 

### **Farm Service Agency Annual Policy Reminders**

To view the full news release visit <http://bit.ly/31rxBby>

In this issue:

- Administrative Policy Reminders
  - Farm Program Policy Reminders
  - Farm Loan Policy Reminders
- 

### **NASS: Hawaii Tropical Fruit and Crops Report**

#### **Hawaii's Tropical Fruit and Specialty Crops Valued at over \$13 Million in 2018**

The farm gate value for Hawaii's tropical fruit and specialty crops is estimated at \$13.4 million for 2018. Cumulative production for fruits and tropical crops was 9.65 million pounds. Bananas, valued at \$5.7

million, are the top crop published by value for 2018. Bananas are a new addition to the list of tropical crops surveyed in 2018. Turmeric, at \$1.2 million, is the second highest value in published crops.

To view the full report visit <http://bit.ly/2vVvCk7>

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### **February 2020 - The Independent Voice Newsletter**

To view the full newsletter visit <http://bit.ly/2SjNOLG>

In this issue:

- Welcome - the New Board of Directors
  - Legislative Update
  - Protect the Name of Hawaiian Coffees from 10% Blends
  - Annual Pruning Workshop
  - KCFA Membership List to be Updated Soon
  - Biology of Coffee
  - Blockchain for Coffee Farmers
  - Long Term Preservation of Roasted Coffee
  - How Packaging Materials Affects Green Coffee over Time
  - Flat vs. Cone Filters
  - Join the State Survey
  - The Fermentation Effect
  - What Do Coffee Roast names Really Mean?
  - Recipe
-