

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

Volume 7: July, 2019

### **Dear Growers and Friends,**

Happy 4<sup>th</sup> of July! The sunny mornings and overcast, rainy afternoons have been a welcomed relief for farming, and I hear this weather is similar to that of the early 80's and pre-Kilauea eruption timeframe. Is that true?

As much rain as we've received, we still need to be on the lookout for hot, dry weather conditions. The Southwest US, which includes Hawaii, is currently in an [El Niño Advisory status](#). See Hawaii's drought conditions as of July 2, 2019 and view more short-term outlooks, by visiting the [NOAA's National Weather Service Climate Prediction Center](#). We are also in the hurricane season (Jun. through Nov.), so please be prepared.

### **Macadamia nut:**

Please stay vigilant for any new infestations of macadamia felted coccid (MFC) and contact your nearest Extension agent for ID and treatment options. Early MFC symptoms include bark bleeding, leaf speckling (yellowish spots) and branch death. Heavy infestations can cause total tree and crop loss. MFC can be found on the trunk, branches, leaves, and husk and can potentially be spread with the transport of in-husk mac nuts and mulch made from mac nut.

### **Coffee:**

With harvest just around the corner, it's time to sanitize the field of early ripening cherries, raisins, and mummified berries.



Complete a pre-harvest or early season strip pick to remove and destroy these berries. Often, they are infested with coffee berry borer (CBB) and if left on the trees, will continue allowing CBB to reproduce and infest neighboring berries. If diseased, these berries may provide continual inoculum (spores) in the field. Continue to treat for CBB as necessary and also fertilize the crop. Often, yellowing of the leaves and tip burning from a lack of nitrogen and potassium, respectively, is observed during the summer to fall months. As coffee matures and ripens, greater berry loads require greater quantities of nutrients.

It's also a good idea to remove and bag branches with damages from black twig borer and anthracnose. BTB-damaged branches have a hole (~1.0 mm in diameter) on the underside of the branch and closer to the base of the lateral. Trim, don't snap off, to remove the hole and branch. Anthracnose-damaged branches typically do not have this hole, but berries often do not ripen properly. Diseased and infested branches should not remain in the field.

#### **Fruit trees:**

Summer is a time for abundant fruit. Unfortunately, fruit flies and other pests/diseases also enjoy the bounty. Pick up fallen, rotten, stung, and infested fruit from the ground and in the tree. Compost properly or discard in the trash, but don't allow the pests to escape back into the orchard.

#### **Upcoming orchard crop grower conferences and festivals:**

- Hawaii Macadamia Nut Association Annual Meeting and [Conference](#) – July 13 – Kona
- Hawaii Coffee Association [Conference](#) – July 25-27 – Oahu
- Seed to Cup [Festival](#) – August 4 – Maui
- Hawaii Tropical Fruit Growers [Conference](#) – September 27-29 – Kona

#### **Job announcements:**

If you or someone you know is interested in an agriculture-related position, please visit <https://bit.ly/2XoWz7Q>. There are several opportunities within Hawaii listed.

**I will be away from the office from July 19-28 for two conferences.** If you leave me a message or email and don't hear back, please follow-up with me after the 28th. I apologize for the inconvenience and will try to get back to you as soon as possible.

-Andrea

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

Thursday, July 4th, 2019 in observance of Independence 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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### **Predatory Flat Bark Beetle Update & Hands-on FBB Breeding Station Building Workshop**

Wednesday, July 31, 2019

10 am – noon or 2 pm -4 pm

Kona Cooperative Extension Office Conference Room

79-7381 Mamalahoa Hwy, Kealahou

This workshop has a fee of \$10 per person. Cash only. Pay at the door.

Each participant will receive one free “CBB Assassin” flat bark beetle breeding station to build during the workshop and take home.

Register at <http://www.hawaiicoffeeed.com/fbb> or by contacting Matt at (808)322-0164.

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### **Produce Safety Alliance Grower Training – Honoka‘a**

Thursday, August 1, 2019

8:00 am – 4:30 pm

North Hawaii Education and Research Center

- **Who should attend?**
  - Fruit and Vegetable Growers interested in learning about produce safety, the Food Safety Modernization Act (FSMA) Produce Safety Rule, Good Agricultural Practices (GAPs), and co-management of natural resources and food safety.
- **What to expect at the PSA Grower Training**
  - The trainers will spend about 7 hours of instruction time covering content contained in these seven modules:
    - Introduction to Produce Safety

- Worker Health, Hygiene, and Training
  - Soil Amendments
  - Wildlife, Domesticated Animals, and Land Use
  - Agricultural Water
  - Postharvest Handling and Sanitation
  - How to Develop a Farm Food Safety Plan
  - **Benefits of Attending the Course**
    - This training satisfies the FSMA Produce Safety Rule requirement for covered farms that “at least one supervisor or responsible party” completes “food safety training... recognized as adequate” by FDA (21 C.F.R. §112.22(c)).
  - **Cost to Attend**
    - Registration for the training is \$150 and \$200 for late registration (after July 29). Registration includes lunch and refreshments, PSA Grower Training Manual, and a Certificate of Course Attendance. After attending the entire course, participants will receive a certificate from the Association of Food and Drug Officials (AFDO) as proof that they have completed the training course. To receive an AFDO certificate, a participant must be present for the entire training.
  - **Additional Information**
    - A limited number of scholarships are available for eligible producers. To request a scholarship application, email the Kohala Center at [info@kohalacenter.org](mailto:info@kohalacenter.org). Growers who wish to participate in an On-Farm Readiness Review (OFRR) should complete this training prior to scheduling an OFRR. An OFRR is a voluntary, non-regulatory assessment to help farms prepare for Produce Safety Rule compliance. Trainers reserve the right to cancel or reschedule this course due to unforeseen circumstances.
  - **Register online by July 29th at <https://honokaapsa2019.eventbrite.com>**
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### **Agricultural Technician III positions - External recruitment is open for 4 positions on HI Island**

External recruitment is now open for all 4 positions of Agricultural Technician III on Hawaii Island - two at Waiakea station, one at Mealani station, **and one at Kona station**. Please help spread the word to qualified candidates.

To view the full job description or to apply visit <http://bit.ly/2J8IW8F>

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### **Job Announcement: Āhualoa Farms Farm Supervisor**

Āhualoa Farms is searching for a new team member to join our growing family farm. The Farm Supervisor position is a leadership role, assisting the Farm Manager with managing a small farm crew and making crop management decisions. Primary crops grown are macadamia nuts and coffee located

in Honoka'a. Āhualoa Farms strives to be progressive and intensively manage its land and resources to sustainably produce healthy and productive crops.

To view the full job description visit <http://bit.ly/2XlswCV>

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### **USDA-ARS project on: The "Queensland" Longhorn Beetle**

Species name: *Acalolepta aesthetica*

Common name: Queensland Longhorn Beetle\*

This beetle is a recently introduced invasive species. Adult beetles lay eggs and larvae attack cacao, kukui, citrus species, and a long list of potential host trees.

The USDA-ARS, in collaboration with Hawaii Department of Agriculture (HDOA) and the Big Island Invasive Species Council (BIISC) will be assessing the efficacy of several commercial lures with the objective of developing a trapping and early detection system for *A. aesthetica*.

If you capture an adult or larva, please note its location and host tree species (if larva). If you would like to contribute your capture to our genetic study, please contact [sheina.sim@usda.gov](mailto:sheina.sim@usda.gov) to arrange drop-off at the USDA-ARS facility in Hilo, HI.

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### **Farm Equipment Opportunity**

We'll have more equipment info shortly, and I'll be sure to send it to you when I have it. Feel free to email or call us anytime at 412-765-1170.

For more information <http://bit.ly/2xmueo7>

Bryan Bowman  
Harry Davis & Company

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### **News Release from HDOA regarding Papayas from Mexico**

HAWAII PAPAYAS NOT INVOLVED IN SALMONELLA OUTBREAK ON THE MAINLAND

HONOLULU - The Food and Drug Administration (FDA) and the Centers for Disease Control and Prevention (CDC) are investigating a multistate outbreak of 62 Salmonella illnesses potentially linked to whole, fresh papayas imported specifically from Mexico.

The Hawaii Department of Health (DOH) and the Hawaii Department of Agriculture (HDOA) emphasizes that there is no reason to avoid Hawaii-grown papayas.

To view the rest of the new release visit <http://bit.ly/2FFJy3J>

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### **FSA Full Time Temporary Job Announcement**

FSA is looking to hire a temporary full-time worker to assist with a high volume of work. The application period is June 28, 2019 to July 15, 2019.

To view the full job description visit <http://bit.ly/2Ypn6TF>

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### **AG2019 - Hawai'i Agriculture Conference 2019 - October 15-16, 2019**

Register now for the Hawai'i Agriculture Conference 2019 at the Hawai'i Convention Center. The theme of this year's conference is **AGdaptation: Hawai'i's Growing Opportunity**.

- Conference registration information: <http://bit.ly/2KPUQXh>
  - To view information on the conference's keynote speakers: <http://bit.ly/302SwQ5>
  - Sign up to be a sponsor or exhibitor: <http://bit.ly/2NqVOGM>
  - View current sponsors: <http://bit.ly/2XgtPD3>
  - Find out more about the LICH Green Industry Conference that will take place one day before AG2019: <http://bit.ly/2xyhECp>
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### **Southwest Climate Hub Bulletin - June 2019**

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

In this issue:

- Hub and ITEP team up to support Tribal climate adaptation planning
- Southwest Agroforestry Action Network
- S4W - Soil for Water

- A Ubiquitous time at UCOWR
  - Tribal Food Sovereignty and Climate Change Preparedness of Tribal Agriculture
  - A deeper-dive into early snowmelt
  - Climate reporting for the Southwest
  - Funding Opportunities
  - Events
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### **HMNA Annual Meeting and Conference**

This year's Hawaii Macadamia Nut Association annual meeting will be held Saturday July 13th at the King Kamehameha Kona Beach Hotel in Kailua-Kona.

#### **Event Highlights**

Presentations will touch on: tree nurseries, rock crushing for orchard floor renovation, harvesting options, weed control, fertilizer and other Macadamia topics. Vendors will showcase crop production aids.

Registration and meeting are free, please RSVP by July 5th.  
Yearly membership is available at the door for \$50  
HMNA will validate your parking at the King Kam while at the meeting.

For online registration: <http://bit.ly/2FD9J12>  
For the registration form: <http://bit.ly/2KRNEdo>  
Or visit [www.hawaiimacnut.org](http://www.hawaiimacnut.org)

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### **NASS Releases Census of Agriculture Congressional District Profiles and Rankings**

The U.S. Department of Agriculture's (USDA) National Agricultural Statistics Service (NASS) today release the Congressional District Profiles and Rankings from the 2017 Census of Agriculture on the NASS website. This summary presents data by congressional district that includes land, farms, market value of agricultural products sold, rankings, and producer characteristics. These profiles are often used by producers congressional leaders, and others to support agriculture in their districts.

To view the list of reports and publications that came from the 2017 NASS visit <http://bit.ly/2NgFrBq>

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### **HDOA: Compost Reimbursement Program Accepting Applications**

The Hawaii Department of Agriculture (HDOA) has established the Compost Reimbursement Program which may reimburse agricultural producers for the cost of purchasing compost.

Act 89 which was enacted in 2018, allocated \$650,000 over a two-year period for the reimbursement of 50 percent of compost cost incurred by agricultural producers during fiscal year 2019 (July 1, 2018 to June 30, 2019) and a portion of fiscal year 2020 (July 1, 2019 to March 30, 2020) not to exceed \$50,000 per applicant per year. Funds for the remainder of the three-year program have not yet been funded by the legislature.

“This reimbursement program is aimed at providing assistance to farmers to ease some of the operational cost relating to the purchase of composting material,” said Phyllis Shimabukuro-Geiser, chairperson of the Hawaii Board of Agriculture.

Under the reimbursement program, compost must be purchased from a certified processor, retailer or wholesaler licensed to do business in Hawaii. In addition, certified Hawaii processors are limited to those companies regulated under the Hawaii Department of Health’s Solid Waste Management Program.

Qualified applicants must also provide a W-9 tax form, sample invoice and proof of compliance with federal, state and county tax and business regulations.

For more information and to download the application forms, go to: <http://bit.ly/2NqTJ2u>

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### **Seeking a General Manager for a multi-farm company on Hawaii Island**

The General Manager will work with the company's clients that own farms on the island of Hawaii to manage operations, scheduling, employees, and the company's facilities/equipment. A Bachelor's degree in agriculture and 5 years agricultural management experience (preferably in Hawaii) is preferred. Those interested in applying should email their resume to [lmakiya@inkinen.com](mailto:lmakiya@inkinen.com). For inquiries, please contact Lori Makiya at 808-340-4173.

For the full job description visit <http://bit.ly/2Ls463r>

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### **Farm Service Agency County Committee Nominations Open June 14**

USDA's Farm Service Agency (FSA) will begin accepting nominations for county committee members on Friday, June 14, 2019. Agricultural producers who participate or cooperate in an FSA program may be nominated for candidacy for the county committee. Individuals may nominate themselves or others as a candidate.

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## Molokai Beginning Farmers Quarterly Newsletter - Spring 2019

*Aloha from Molokai,*

*Happy Summer Solstice, the longest day of the year! Hopefully the scorching weather will start to taper off, but don't plan on it.*

*We have an interesting organic papaya industry that's emerging as an important export crop, but there's so much to learn in developing this crop from seed to market. We're starting to revisit the whole production system, especially as we run into challenges. One way of approaching this is by "Thinking Like a Papaya" which is the name of this quarterly newsletter. Although it's focused on papaya production on the island of Molokai, this can be applied to any crop that's approached from a holistic perspective. I'm still playing catch up on my newsletters. I hope you enjoy this newsletter and please share it with others who may be interested. More to come...*

*For back issues of this newsletter, please visit the CTAHR Sustainable and Organic Agriculture website, Hanai Ai at: <http://bit.ly/2H280TQ>*

*To view the full Molokai Beginning Farmers Newsletter visit <http://bit.ly/2NnVwoQ>*

*Mahalo,*

*Glenn I. Teves  
County Extension Agent  
UH College of Tropical Agriculture and Human Resources  
Tropical Plant and Soil Science  
Cooperative Extension Service – Molokai*

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## Helpful Information Regarding the HDOA's Compost Cost-Sharing Reimbursement Program

The state has a new reimbursement program to help cover mulch costs provided you have receipts, the mulch provider is on the DOH list of Regulated Commercial Composting Facilities-v2, and a copy of your W-9 then, you might be able to get some of your funds reimbursed. One other thing, per the form in the Word Document, ***To receive funds, the operation must be in compliance with the State as certified by the Hawaii Compliance Express system (vendors.ehawaii.gov).***

- Fiscal Year 2019 Compost Reimbursement Program Fact Sheet: <http://bit.ly/2J4rHWd>
  - DOH List of Regulated Commercial Composting Facilities: <http://bit.ly/2XIGqVk>
  - Fiscal Year 2019 Compost Reimbursement Form B-v1: <http://bit.ly/2YrJqfm>
  - Fiscal Year 2018 Compost Reimbursement Form A-v5: <http://bit.ly/2XiATiA>
  - W-9: <http://bit.ly/2FifDaT>
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## **Hānai'Ai - Summer 2019 Newsletter**

To view the full newsletter visit <http://bit.ly/2WUe1Rs>

In this issue:

- CTAHR's Sustainable and Organic Agriculture Program (SOAP) Expands
  - Design of a Small-Scale Off-Grid Hydroponic System for Screen House Leafy Vegetable Production
  - Field Screening of Various Lettuce Cultivars for Tip Burn Tolerance in Hawai'i
  - Organic Screenhouse Trial of TYLC Resistant Tomatoes: Preliminary Results
  - Electric Fence: Non-Chemical Wild Pig Deterrent
  - Evaluation of Non-Chemical Deterrents to Repel Slugs
  - The Importance of Testing pH and EC in Agriculture
  - The Hawai'i Seed Growers Network
  - Food Safety & Good Agricultural Practices Workshop
  - Publications & Programs
  - Organic Update
  - Upcoming Events
  - Western Region Sustainable Agriculture and Research Education Program (WSARE)
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### **Update from ADSC**

Darren Park starts as CTAHR's new Agricultural Diagnostic Service Center Manager on June 19th. Analyses will continue as normal. Ray Uchida will continue to do the soil recommendations on a limited basis during this transition stage, so please be aware that there may be a delay in receiving your results and recommendations.

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### **FSA County Committee Election Nominations are Open**

Aloha!

The 2019 FSA County Committee nomination period is open. Last day to submit a nomination is August 1, 2019. The person nominated must farm, ranch or live in the South Hilo and Hamakua area. For more information contact us at 933-8381 ext 2. Mahalo and have a great day!

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### **HCA June Newsletter: 2019 Conference, SHAC Update**

To view the full newsletter visit <http://bit.ly/2lHaKj9>

In this issue:

- 24th Annual Conference & Cupping Competition
  - US Coffee champs Prelim Competitions
  - Mahalo to Pacific Coffee Research
  - Donations for the Silent Auction
  - Sponsor a Coffee Break
  - We need volunteers
  - SHAC Update: Taiwan Trade Show
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### **Hawaii and Pacific Basin Farm Service Agency: June 2019 Newsletter**

To view the full newsletter visit <http://bit.ly/2MKuw2r>

In this issue:

- Eligibility for Nominations for the 2019 County Committee Elections
  - 2019 Livestock Forage Losses
  - USDA Designates Kauai County, Hawaii, as a Primary Natural Disaster Area
  - Youth Loans
  - Changes in Your Farming Operation
  - Preauthorized Debit Available for Farm Loan Borrowers
  - Changing Bank Accounts
  - Report Damage or Loss of NAP Covered Crop Acres
  - June 2019 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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### **O`ahu RC&D Newsletter: New grant announcement, meet our new team members**

#### **Grant funding available for BMP projects in Waimanalo**

Applications for a **funding opportunity** are being accepted now through June 27th within the **Waimanalo and Kahawai watersheds**, for farmers and land managers implementing **best management practices**.

More details on this great opportunity and how to apply can be found at <http://bit.ly/2ZkVY8w>

Applications are due by 3 pm on Thursday, June 27th and completed applications can be emailed to

[admin@oahurcd.org](mailto:admin@oahurcd.org)

### **O`ahu RC&D is growing... Introducing our awesome new staff!**

Introducing Hannah Hubanks!

As the Project Coordinator for the Waimanalo Watershed, Hannah works with farmers to improve soil and water resources through conservation planning. Originally from Wisconsin, she earned her B.S. degree from UW-Madison in Zoology. After time abroad and working in a variety of science disciplines and ecosystems, she arrived in Hawai`i and took interest in global and local challenges within food systems. She focused on soil health assessment in Hawai`i for her M.S. thesis work at the University of Hawai`i at Manoa in Natural Resource and Environmental Management. She looks forward to carrying out the mission of O`ahu RC&D and promoting a more sustainable Hawai`i.

### **Parade of Farms: Cultivating Community (and Opportunities)**

At the 2019 Parade of Farms held in Wai`anae on May 4th, Jean Brokish, O`ahu RC&D's executive director, met Christina McKinnon and discovered how attending the 2018 Parade of Farms created a life-changing opportunity...

Christina first heard about the GoFarm program at the 2018 Parade of Farms in Waimanalo and says, "It was a dream come true." She is excited to be part of a program designed to help aspiring farmers, and believes it's important for the community to see where their food comes from and understands the labor and love that goes into producing it. Parade of Farms connects people with local agriculture and is an excellent opportunity for aspiring farmers to get a behind-the-scenes look at successful local farms. Learn more about Christina's Story at <http://bit.ly/31w1eZ0>

### **Garbage to Gold**

The windward Zero Waste School Hui collected 50 tons of cafeteria waste from five school campuses, and through the magic of composting, has turned it into gardener's gold!

### ***You can purchase finished compost and worm castings at their upcoming Compost Sale!***

Saturday, June 29

9:00 am - 2:00 pm

Kainalu Elementary School (Kailua)

### **Sponsor Spotlight: The Western Extension Risk Management Education Center (Western Center)**

The Western Extension Risk Management Education Center (Western Center) is one of five USDA NIFA Extension Risk Management Centers. Partnering with state university Extension educators and public and private sector partners in the west, the Center has provided tools and training since 2001 to support producers in establishing long-term risk management strategies that will strengthen the economic viability of their farm and ranch enterprises.

### **Upcoming Events & Opportunities**

June 15, 2019 - HCCA Farm Tour and Mini-Conference: <http://bit.ly/2X6fsQU>

Lahaina, Maui

9 am - 9 pm

June 27, 2019 at 3:00 pm - O`ahu RC&D Watershed Application Due - Waimanalo, O`ahu:

<http://bit.ly/2R9VeQN>

June 28, 2019 at 12:00 pm - O`ahu RC&D Watershed Application Due - Kahalu`u, O`ahu:

**<http://bit.ly/2KheRpd>**

June, 29, 2019 - Compost Sale: **<http://bit.ly/2WFPqVc>**

Kainalu Elementary School, Kailua, O`ahu

9:00 am - 2:00 pm

July 22-27, 2019 - Seeds - 4 - Tomorrow Camp: **<http://bit.ly/2MJlzqi>**

Kunia, O`ahu

October 15-16, 2019 - 2019 Hawaii Agriculture Conference: **<http://bit.ly/2WGS5Oo>**

Hawaii Convention Center, O`ahu

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