

## **July 2018 – Events and Announcements**

Dear Growers and Friends,

May you all be enjoying the beautiful (though a little vuggy) summer days with family and friends!

### **Monitoring pH in catchment tanks and soil:**

Volcanic activity can cause water and soil become more acidic (lower in pH) than normal. Fertilizers, pesticides, etc. can have an optimal pH in which manufacturers recommend for best activity and effectiveness. For example, *Beauveria bassiana* is best put into solution with water pH of 6-7.

### **To correct water pH:**

- First, test your current water pH.
- Dissolve 1–2 boxes of baking soda in water and add it to your tank every 2–4 weeks to raise the pH of the water. Increasing catchment tank pH can also help to prevent copper and lead from leaching from pipes and fixtures into your water. You may need more, depending on the acidity of your water and size of your tank; too much baking soda will make water feel slippery. Food-grade calcium carbonate granules can also be used, but do NOT use large solid calcium carbonate solids, such as limestone, or concrete blocks or tiles.
- Retest your water to confirm pH status.

For more information on minimizing ash and debris in your catchment water, water filters, water testing, soil testing and other volcanic emission resources, visit <https://bit.ly/2KmeXMN>.

For information on water testing kits to test for fecal, chlorine and pH, visit <https://bit.ly/2MBFen8>. pH meters are available for purchase online and may be available locally.

View general guidelines for soil sampling at <http://bit.ly/2lUAeys>. Be sure to sample before applying fertilizers and other chemicals or products to the soil.

Also, view procedures specific to coffee leaf and soil sampling at <https://bit.ly/2tL490p>.

### **Soil and water samples:**

UH CTAHR's Agricultural Diagnostic Service Center will do THREE FREE SAMPLES of each type (soil and water - highlighted on ADSC analysis sheet) indicated per commercial farmer and per homeowner in volcano-affected areas: Puna, Volcano, Pahala, Naalehu, South Point, and Hawaiian Ocean View. If you are outside of these areas and would like request assistance with samples, please contact Dr. Susan Miyasaka at [miyasaka@hawaii.edu](mailto:miyasaka@hawaii.edu) or 808-969-8258.

To view and download the memo and ADSC analysis sheet, visit <https://bit.ly/2KD2kMP>

### **Pruning of summer fruit trees**

Fruit trees such as lychee and mango should be pruned during or immediately following the harvest season, which has, or is quickly coming to an end. Pruning can be light or heavy, depending on the trees' needs. Consider a heavy prune if tree height makes harvest and pest or disease control difficult. Consider light pruning for trees that need some rejuvenation and thinning of branches, but not much height or width control. Don't wait too long to prune as late pruning or out-of-season pruning can result is reduced to no yield in the following crop(s). During bloom initiation, branches must be mature and ready to receive the flowering stimuli - usually specific weather conditions or day/night length that plants respond to. If branches remain immature during the stimuli, the tree may flower very little, or not at all. Additionally, do not over fertilize as some trees like lychee remain vegetative, especially with excess nitrogen.



*Caption: Lychee tree with fruit, fruit bags and netting for bird protection (L) and post-pruning (R) with 8 ft ladder as height reference.*

**CTAHR pubs related to fruit tree requirements and pruning:**

- Pruning landscape trees and shrubs - <https://bit.ly/2tKBSY2> (fruit trees should NOT be pruned year-round)
- Growing lychee in Hawaii - <https://bit.ly/2KCEkJM>
- Mango - <https://bit.ly/2MAPDzt>

**Early-season strip pick for CBB control:**

Coffee is beginning to ripen at farms and particularly in lower elevations. Pick and remove color-break to raisin cherry. Either process or destroy this early-harvest season strip pick. I've noticed near 100% CBB infestation on these berry and CBB in the C/D position within the beans. If left, these berries drop to the ground or remain on the branches and are a big source of new CBB infestation on berries harvested during the main rounds.

-Andrea



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

Wednesday, July 4<sup>th</sup>, 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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**Ma'ona Community Garden - Hoop House Building and Worm Bin Workshop - Kona**

Saturday, July 7, 2018  
10:00 am - 12:00 pm  
Ma'ona Community Garden  
84-5097 Keala O Keawe Road  
Captain Cook, HI 96704

A free, hands-on workshop that will lead you through the basics of building a versatile, low-cost hoop house. A hoop house is a series of large hoops or bows-made of metal, plastic pipe or wood. They can be used for green houses, sheds, nurseries, animals and many more uses. Learn how to make a worm bin for great small space composting setup that will yield free, nutrient-rich compost for your garden. Registration is limited to 30 participants Register by sending an email to: [maonacommunitygarden@gmail.com](mailto:maonacommunitygarden@gmail.com) or calling Chantal at 808-937-9800

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### **Oahu RC&D - "Skill Up" Event on Cacao Orchard Management - Hilo**

Saturday, July 7, 2018

8:00 am - 4:00 pm

Hamakua Chocolate Farm (multiple farm visits scheduled)

27-2323 Mamalahoa Hwy; Papaikou, HI 96781

Come learn best practices for establishment and management of fine cacao with Dan O'Doherty of Cacao Services, Dave Elliott of O'ahu RC&D, and others. Hands-on training with cacao experts, including leading cacao farmers. Lunch, beverages, and materials to be provided. Space is limited. RSVP at <http://bit.ly/2Kx9lpl>. Contact Dave Elliott at [dave.elliott@oahurcd.org](mailto:dave.elliott@oahurcd.org) or 808-622-9026 with any inquiries.

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### **West Hawaii SBDC - Entrepreneur Meetup Group**

Wednesday, July 11, 2018

5:30 pm - 6:30 pm

West Hawaii Civic Center - Community Hale Building G

74-677 Kealakehe Pkwy.; Kailua Kona 96740

Guest speaker - Mattson Davis, President of Ulu Development and former CEO of Kona Brewing. A great opportunity to gain exposure for your business and network with other small business owners in the community. Come prepared with enough business cards to distribute and to enter the door prize drawing!!! For more information, contact [jason@hiplan.biz](mailto:jason@hiplan.biz)

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### **HMNA Annual Meeting - Hilo**

Saturday, July 28, 2018

Registration starts at 8:00 am

Event 8:30 am - 4:00 pm

Nani Mau Gardens

421 Makalika St.; Hilo, Hawaii 96720

Free for members who RSVP by July 15th, \$35 for non-members

The Hawaii Macadamia Nut Association invites you to the HMNA annual meeting and conference on Saturday, July 28th, at Nani Mau Gardens in Hilo. Registration begins at 8:00 am and the meeting will begin at 8:30 am.

For more information and to register online, go to [www.hawaiimacnut.org](http://www.hawaiimacnut.org)

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### **CTAHR - Pesticide Risk Reduction Education Short Course – Hilo**

Tuesday-Wednesday, September 11-12, 2018

8:15 am - 4:00 pm

Hilo, HI

Registration deadline: August 10, 2018. Enrollment is limited to 20 people.

Registration fee: \$100 per person

This in-depth two-day short course is about handling pesticides, including herbicides, in ways that will reduce risks to people and our environment. It will be conducted by an instructor from the College of Tropical Agriculture and Human Resources, University of Hawaii at Manoa.

The course would benefit people who want to be better informed about handling pesticides properly or prepare for the Hawaii Department of Agriculture's examination for restricted use pesticide certification. Certified applicators will not earn re-certification credits by attending this course.

For more information and to register, go to <http://bit.ly/2KIUEPJ> or Contact the Agricultural Diagnostic Service Center: ph. 808-956-6706 (Honolulu) or the instructor Charles Nagamine: 808-956-6007 or [cynagami@hawaii.edu](mailto:cynagami@hawaii.edu)

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### **Hawaii Tropical Fruit Growers Annual Conference - Save the Date**

Thursday - Sunday, September 20-23, 2018  
Leeward Community College  
96-045 Ala Ike; Pearl City, HI 96782  
+ mini conferences in Kauai, Molokai, Maui, Hilo and Kona

Please join us for the 28th Annual Hawaii Tropical Fruit Growers Conference "Bringing It Altogether" on September 20 to 23, 2018. The conference will start in Oahu, then move to Kauai, Molokai, Maui, Hilo and Kona. The Conference Registration Link is found here. For more information, visit [www.htfg.org](http://www.htfg.org) or please contact Ken Love at [ken@mycoffee.net](mailto:ken@mycoffee.net) or (808) 323-2417

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### **Taste of Hawaiian Range – Businesses and Organizations - Invitation to Exhibit at the Agricultural Festival**

Saturday, September 29, 2018  
9:00 am – 3:00 pm  
Mana Christian Ohana (Old Kahilu Town Hall) and YMCA Minuke Ole Park  
67-1182 Lindsey Road; Waimea, HI 96743

You are invited to be a part of the 22nd annual Taste of the Hawaiian Range's Agriculture Festival on Saturday, September 29, 2018 at the Mana Christian Ohana (old Kahilu Town Hall) and YMCA Minuke Ole Park in Kamuela on Hawaii Island. The family day event will be held from 9:00 a.m. to 3:00 p.m. and will offer ag-themed educational booths and activities for people of all ages. There will also be food booths and product sampling.

If you would like to be a selling vendor or an educational exhibitor at the festival, please visit [www.tasteofthehawaiianrange.com](http://www.tasteofthehawaiianrange.com), click "Participants," and view the three options. Please note, the evening gala event (traditional food-grazing event) is separate from the day event that is free & open to the public. Questions? Please contact Susan Miyasaka at [TasteAgFest@outlook.com](mailto:TasteAgFest@outlook.com).

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### **Survey - Hawaii Farmer Needs Assessment**

Farmers and ranchers - PhD candidate Hunter Heavilin of UH Manoa and Albie Miles of UH West Oahu would like to get your input! The purpose of the Hawaii Farmer Needs Assessment is to understand the barriers and needs of farmers related to increasing food production in Hawaii.

This 3-5 minute survey will help define the kinds of support, extension, training, research, and public policy that may best meet the needs of growers across the state. Visit [hawaiifarmersurvey.com](http://hawaiifarmersurvey.com) to learn more. A summary of the findings will be posted to [hawaiifarmersurvey.com](http://hawaiifarmersurvey.com) in late 2018. If you have questions about the survey, please contact Hunter at [huntersh@hawaii.edu](mailto:huntersh@hawaii.edu) or 808-391-8687.

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### **County of Hawaii - Agricultural Producers Affected by Lava Flows - Preliminary Business Damage Assessment - Update**

*Message from Glenn Sako, Hawaii County Research & Development*

We have received 45 agricultural producers' reports totaling 45 million dollars in losses from the recent lava flows. At this time, we ask that you hold off on having the form filled out as we prepare the initial application for assistance. I will accept any forms that come in, but they won't be included in the initial application. The form called **2018 Kilauea Eruption- Preliminary Damage Assessment Report** and can be found on our website at <http://www.hawaiicounty.gov/research-and-development/>

Glenn T. Sako, Agriculture Specialist  
Hawaii County Research and Development (25 Aupuni St., Room 1301, Hilo, HI 96720)  
Direct line: 808-961-8811; Email: Glenn.Sako@hawaiicounty.gov

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**HCA Newsletter - Kilauea Damage Assessment & Resources**

For the newsletter, go to [eepurl.com/dxxlX5](http://eepurl.com/dxxlX5)

In this issue:

- 2018 Kilauea Eruption- Preliminary Damage Assessment Report
- *Agricultural Resources*
  - emergency low-interest agricultural loans
  - Puna evacuees who need a place to board their horses
  - Farm Service Agency, USDA
  - The Kohala Center: The Hawai'i Food Producers Fund
  - Real Property Tax FAQs Regarding Agriculture Use Properties Affected by the East Rift Zone Eruption.
  - CTAHR Agricultural Diagnostic Service Center (ADSC)

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**KCFA - The Independent Voice - Newsletters**

View the June 2018 newsletter, go to <http://eepurl.com/dwORPn>

In this issue:

- Volcano Emissions Injury to Plant Foliage
- Volcanic Effect on Ka'u Coffee
- Legislative Update
- KCFA Supports Pahoia Evacuees
- Brew and Roast Guide
- Slow Food Nations Festival
- Video on Rat Lungworm Disease
- Thoughts on Coffee Terroir
- No – Coffee does not Cause Cancer
- What Do You Want to Learn?
- Op/Ed – Distinguishing Coffee Grades
- Response to OP/ED
- Arabica Genome Sequenced
- Coffee Tips, Recipe: Kona Coffee Mochi

View the July 2018 newsletter, go to <http://eepurl.com/dz1Tur>

In this issue:

- President's Message
- Legislative Update
- Vog and Your farm
- Canadian Tariff on Coffee Beans
- Slow Foods Nation Preparation
- Giant Mushroom Cluster
- Sorting Coffee Beans by Smell
- CTAHR Needs Your Input
- Kona Historical Society Auction
- Coffee and Heart Health Study
- Another Use for Coffee Grounds
- Recipe: Kona Coffee Fudgy Brownie

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**CTAHR - Hanai'Ai - SOAP Newsletter**

To view the Sustainable and Organic Agriculture Program Newsletter, Volume 32: March, April, May 2018, go to <https://conta.cc/2KkiVBz>

In this issue:

- Research & Outreach News
  - Use of Resistant Varieties in Combination with Screen Systems
  - Evaluation of Multi-Colored Carrot Varieties
  - D.I.Y Screen houses for Crop Producers in Hawaii
  - Curcuminoid Content of Turmeric Grown in Hawaii
  - UH CTAHR Macnut Variety Trial: Preliminary Data
  - Trap Cropping and Biofumigation for Plant-parasitic Nematode Management
- Publications and Programs
- Organic Agriculture Update
- FYI
- New Farmers
- WSARE
- Featured Farmer: SeaSons, Waimanalo, Oahu

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### **USDA Hawaii & Pacific Basin Farm Service Agency – June 2018 Newsletter**

For the newsletter, go to <http://bit.ly/2lHgNsX>

This issue includes the following:

- Secretary Perdue Names FSA Administrator
- Hawaii Farmer Needs Assessment Survey is now live!
- Announcing FY 2017 Payments for Reimbursement Transportation Cost Payment (RTCP-VIII) Program for Geographically Disadvantaged Farmers and Ranchers in Alaska, Hawaii, and Insular Areas
- Loan Servicing
- Filing CCC-941 Adjusted Gross Income (AGI) Certifications
- Environmental Review Required Before Project Implementation
- Direct Loans
- July 2018 Interest Rates

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### **USDA FSA - Announcement**

USDA Partners with Texas A&M to Help Veterans Seeking Agriculture Loans and Careers. For more information, go to <http://bit.ly/2Kil8Bz>

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### **USDA NASS - Last chance to complete the 2017 Census of Agriculture**

#### **Last chance to complete the 2017 Census of Agriculture**

Contact: Kathy King (808) 522-8082

The questionnaire needs to be completed by everyone who received a form - including landowners who lease land to producers, those involved in conservation programs, even those who may have received the Census and do not farm. Every response matters.

For more information about the 2017 Census of Agriculture or to respond online, visit [www.agcensus.usda.gov](http://www.agcensus.usda.gov). Improved in 2017, the online form is faster and more convenient than ever. For questions about or assistance with filling out the Census, call toll-free (888) 424-7828.

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## **Coffee & Cocoa International - Newsletter - Issue 129**

For the newsletter, go to <http://eepurl.com/dy8ZLH>

This issue includes the following articles:

- NCA Lauds IARC Cancer Finding
- OEHHA Fights Back Against Proposition 65 Ruling
- Cocoa Growers' Collaboration Plan Met with Skepticism
- July 2018, Inside Coffee & Cocoa International (C&CI)

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## **P&A Coffee Newsletter - Confidential**

To view the newsletter, go to <http://bit.ly/2MzuCVJ>

In this issue:

- New App Helps Identification of Pests and their Enemies
- Water Stress Damage to Crops
- Coffee to be Planted in Restored Degraded Pastureland
- Brazil Leads Global Coffee Production but Loses Revenue
- Truckers Strike Affects Coffee Market
- **Outlook:** The Role of National Sustainability Curricula in Advancing Sustainability (Page 3)
- **Machine of The Month:** Static Predrier For SRE Rotary Drier Launched (Page 4)