

## August 2018 – Events and Announcements

Dear Growers and Friends,

### **Hawaii Coffee Association Conference:**

Thank you to organizers, volunteers, sponsors, exhibitors and participants at this year's HCA Conference on Kauai! And, congratulations to all coffee cupping winners and entrants! [www.hawaiicoffeeassoc.org/competition-2018](http://www.hawaiicoffeeassoc.org/competition-2018)

On behalf of Matt Miyahira and Stuart T. Nakamoto, we appreciate the chance to present and share the work that CTAHR faculty conduct on coffee. We are also grateful for the opportunity to display and educate participants on Extension and research projects conducted at the Kona Research Station via County of Maui, USDA, HDOA and County of Hawaii R&D grant funding. In the coming year, we look forward to hosting fun and educational outreach events and providing industry with applied research results that directly impact coffee producers. Presentations will be posted at the HCA website soon. --- Andrea ---

### **Estimating CBB damage to (ripe) cherry:**

The coffee harvest season is upon us and at CTAHR, we will also be busy picking and processing coffee. One thing that we do during this part of year, is to determine percent CBB damage to our harvested cherry.

How to:

1. Harvest ripe cherry (harvesting every 2-3 weeks is ideal so berries do not become raisins or over-ripe and drop to the ground).
2. Randomly sample 100 cherry (or more if you prefer).
3. Separate the cherry into two groups. Group 1 = non-infested cherry; Group 2 = infested cherry. Infested cherry will have a hole at the blossom-end of the berry.
4. Count the number of non-infested cherry from Group 1.
5. Pulp the non-infested cherry and count the number of parchment.
6. Count the number of infested cherry from Group 2 or subtract the number of non-infested cherry from the total number of cherry sampled.
7. Pulp the cherry and separate the parchment into two groups. Group 1 = non-damaged parchment; Group 2 = CBB-damaged parchment. Damaged parchment will have a hole and discoloration caused by CBB.
8. Count the number of non-damaged parchment
9. Count the number of CBB-damaged parchment.
10. Calculate the total number of parchment from non-infested cherry and infested cherry.
11. Divide the number of CBB-damaged parchment by the total number of parchment and multiply by 100.
12. This number will give you an estimated percent bean damage for that harvest.
  - a. Larger sample sizes will give you a better representative estimate of percent bean damage of your harvested crop.

Example:

1. Harvest
2. Total cherry = 100
3. Separate cherry into non-infested and infested groups
4. Non-infested cherry = 64
5. No. of parchment from non-infested cherry = 126
6. Infested cherry (100 minus 64) = 36
7. Pulp and separate parchment into non-damaged and CBB-damaged groups
8. No. of non-damaged parchment from infested cherry = 42
9. No. of CBB-damaged parchment from infested cherry = 30
10. Total no. of parchment (126 plus 42 plus 30) = 198
11. % bean damage (30 divided by 198 times 100) = 15.2
12. 15.2% bean damage

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

Friday, August 17<sup>th</sup>, in observance of Statehood 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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**Candidate Forum on Agricultural Issues - Kona**

Thursday, August 2, 2018  
6:00 pm - 8:00 pm  
81-1043 Konawaena School Rd.  
Kealahou, HI 96750

Aloha Agricultural-Minded Neighbors: Please remember to mark your calendars for the Agricultural Candidate Forum at Konawaena High School cafeteria from 6:00-8:00 pm- Thursday, August 2.

There will be coffee to sample and plenty of others present to talk with before we get started, so come early and we can all listen to and ask questions about Kona affected Senate and House seat races (which means Hawaii Senate District 3, and House Districts 5, 6 and 7).

Note that while they will not be participants in the Forum per se, that County Council candidates for Council Districts 6, 7 and 8 have been invited and encouraged to set up a table for people to talk with them directly prior to the start of the event — another reason to come early.

Look forward to seeing you there. Please email with any questions to [colemel2@gmail.com](mailto:colemel2@gmail.com).

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**West Hawaii SBDC - Introduction to Bookkeeping**

Wednesday, August 8, 2018  
9:00 am - 11:30 am  
(Registration 8:30 am)  
NELHA (OTEC) Campus - Hale Iako  
(next to Kona International Airport)  
73-970 Makako Bay Drive  
Fee: \$20

Bookkeeping (Accounting) skills are necessary when starting and running any business. This course discusses key principles and terminology to help develop these skills and gives an overview of the different types of financial statements available for entrepreneurs to make good business decisions.

The workshop will be presented by Ms. Ann Chiodini. She has an MBA in Accounting and has worked as a CPA in the State of Rhode Island for 32 years. She is also a Certified Management Accountant and specializes in accounting and financial analysis for a variety of businesses.

For more information and to register, visit <http://bit.ly/2KhJ618>

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**CTAHR - Survey for Volcano-affected Farmers**

Below is a link to a survey for farmers who have been affected by the volcano. This survey will assist affected farmers by obtaining information required in order to request for assistance in recovery of their losses and to hopefully acquire the necessary resources to rebuild their farms and associated industries.

For the survey, go to <http://bit.ly/2M72iuc>

The completed surveys are **due by August 8, 2018**. Please send to: Matthew Loke, email [loke@hawaii.edu](mailto:loke@hawaii.edu) or by mail to Matthew Loke, c/o NREM, University of Hawaii at Manoa, 1910 East West Road, Sherman 101, Honolulu, Hawaii 96822.

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### **CTAHR - Mealani Tea Variety Distribution Event – Kamuela**

Tuesday, August 21, 2018  
10:00 am - noon  
Mealani Research Station  
64-289 Mamalahoa Hwy, Waimea

Cost: \$25 cash or check (payable to RCUH) at the door. Registration required by RSVP to Randy ([rth@hawaii.edu](mailto:rth@hawaii.edu)) or Kamalu ([kjoaquin@hawaii.edu](mailto:kjoaquin@hawaii.edu)) or at 887-6183 by 08/15/18.

The CTAHR Tea Project announces the release of the tea selection “Mealani.”  
‘Mealani’, A New Variety of Tea for Hawai‘i: <https://www.ctahr.hawaii.edu/oc/freepubs/pdf/NPH-15.pdf>

Learn about this variety of *Camellia sinensis* that is unique to Hawaii, as you taste some tea made from “Mealani.” Look at some matured plants in the field. We suggest bringing containers and/or plastic bags to hold your potted Mealani plants on your drive home. This is the only formal distribution planned, so be sure to reserve your spot! Hosts: Randy Hamasaki and Stuart Nakamoto.

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### **Hawaii Forest Stewards Program - Paauilo**

Thursday-Sunday, September 13-16, 2018  
Camp Mekokiko  
Paauilo, HI

The Hawai‘i Forest Stewards is a volunteer program that seeks to educate community leaders in good forest land management and empower them to reach out to their friends and neighbors to improve forest conservation in a peer-to-peer learning context. The program, now in its fifth year, consists of an intensive, three-day workshop on forest land management in Hawai‘i, including Hawaiian natural history, wildlife habitat, tree farming, invasive species, forest health, koa forestry, working with professionals, taxes, estate planning, financial matters, and Hawaiian culture. Half-day classroom sessions will be balanced with afternoon field trips to managed private forests. Field trip transportation is included in the program. Participants will receive a “book bag” with valuable reference materials.

This program is provided by the UH Mānoa CTAHR Cooperative Extension Service free of charge, except for meals. In return, upon completion of the program, participants are asked to design and carry out a volunteer program of their own to “give back” at least as much time as they received in training (about 30 hours). Past participants have led field days to their own forests, worked with local invasive species eradication efforts, and worked with local schools. Other possibilities include:

- holding coffee hours to explain how property tax incentives for forest conservation work
- hosting student work from local high schools and colleges
- writing articles for local media to inform citizens on forestry and conservation issues
- other efforts to help other landowners better manage their forests

Participants are expected to share their knowledge and experience with their neighbors and participate in program evaluations by the UH forestry extension program. Planning for the outreach project will be part of the program.

There are 10 slots available for this program. Application forms are due on July 31st. For more information and to apply, visit: <http://bit.ly/2AgyMjX>

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#### **Update: FDA Equivalent Water Testing Methods**

The Food and Drug Administration has recently updated its list of valid water testing methods of E. coli to include the following presence/absence tests. These are an addition to the eight previously approved quantification methods.

1. TECTATM EC/TC medium and the TECTATM Instrument
2. Modified Colitag<sup>TM</sup> Test Method for the Simultaneous Detection of E. coli and other Total Coliforms in Water
3. IDEXX Colilert Test Kit
4. IDEXX Colilert-18 Test Kit
5. IDEXX Colisure Test Kit
6. E\*Colite Bag or Vial Test for Total Coliforms and E. coli in Potable Water
7. 101298 ReadyCult Coliforms 100. EMD Millipore

For more information on approved water testing methods or the "Equivalent Testing Methodology for Agricultural Water" factsheet, visit the following FDA websites.

**FDA Laboratory Methods webpage:** <http://bit.ly/2AgzDBi>

**FSMA Final Rule on Produce Safety:** <http://bit.ly/2uUv9eo> (on the right column)

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#### **USDA NASS - 2017-2018 Hawaii Coffee Acreage & Price Increased; Marketings and Value Decreased**

The final Hawaii utilized coffee production is estimated at 24.6 million pounds (cherry basis) for the 2017-2018 season, a 14 percent decrease from the previous season, according to a recent report from USDA's National Agricultural Statistics Service. Bearing acreage totaled 7,200 acres, up 200 acres from the prior season. New coffee farms contributed to the increase in acreage. Average yield decreased to 3,530 pounds (cherry basis) from 4,180 pounds per acre last season. The statewide farm price for coffee averaged \$1.78 per pound (cherry basis), up 4 percent from the previous season's price of \$1.71 per pound. The value of utilized production for coffee is estimated at \$43.8 million (cherry basis) for this season, 10 percent less than last season's \$48.9 million. Coffee berry borer remains a concern for the industry, though controlling measures are showing signs of progress. Growers expressed concern about the possible invasion of coffee rust. To view the report, go to: <http://bit.ly/2Oz7HLW>

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#### **USDA NASS - Macadamia Nut Utilized Production up 17 Percent from Last Season**

Hawaii utilized macadamia nut production for 2017-2018 increased 17 percent from last season to 49.0 million pounds (net, wet-in-shell basis) according to the National Agricultural Statistics Service. The crop posted the largest production in six year and had a new record high farm price. Growing conditions were generally favorable for the crop but spoilage was higher. Labor shortage, wild pigs, and pest problems continued to be challenges this season.

The in crop and harvested acreage estimates for 2017-2018 remained unchanged from the previous season at 18,000 and 16,000 acres, respectively. Approximately 1.3 million trees were estimated for in crop acreage.

Yield averaged 3,060 pounds per acre, up 16 percent as compared to the previous year's estimate of 2,630 pounds.

Average moisture content for the overall crop this season was 20.5 percent compared with 19.8 percent from last season.

Farm value for the 2017-2018 crop is estimated at \$53.9 million (net, wet-in-shell basis), up 28 percent from the 2016-

2017 season. The average farm price increased 10.0 cents from last season to 110.0 cents per pound and a new record high. For more details, view the report: <http://bit.ly/2OnUzJG>

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### **CTAHR Notes**

Check out this week's CTAHR notes: Issue 370, July 25, 2018

This issue includes:

- Don't Get Sprayed - Worker Protection Standard Workshops - Big Island
- How to Deter Elephants
- Fishing for Knowledge..and Fertilizer
- Extension Excellence

Visit CTAHR news for the articles: [cms.ctahr.hawaii.edu/News](https://cms.ctahr.hawaii.edu/News)

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### **HCA - June Newsletter**

For the newsletter, go to: <http://eepurl.com/dymkh5>

- Hawaii Coffee Association 23rd Annual Conference & Cupping Competition
  - Mahalo to Pacific Coffee Research for hosting this year's HCA Cupping Competition
  - Free Booklets for H.C.A. Member Businesses
  - Kilauea Eruption Relief
  - Donations for the Silent Auction
  - New Member Benefits
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### **USDA Hawaii & Pacific Basin Farm Service Agency - July 2018 Newsletter**

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

- USDA Announces Signup for the 2018 Reimbursement Transportation Program
  - Hawaii County Eligible for Emergency Loans Following Presidential Disaster Declaration
  - Youth Loans
  - Livestock Losses
  - Supervised Credit
  - July 2018 Interest Rates
  - FSA Hawaii & Pacific Basin State Committee
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### **P&A Coffee Newsletter - Confidential**

To view the newsletter, go to: <http://bit.ly/2v77yGE>

- Exports Down 35% Due to Truckers' Strike
- Robusta Clones Developed for São Paulo State
- New Approach Helps Control Coffee Leaf Rust
- Brazilians Love Soccer...and Coffee!
- Melitta to Enter Brazilian Capsule Segment
- Outlook: How to Counteract the Fall in Demand for Sustainable Coffee? (Page 3)
- Machine of the Month: Challenges to Design Ecological Wet Mills (Page 4)