

**Kona Cooperative Extension – Events and Announcements Newsletter**  
 Volume 7-2, July 2020

Dear Growers and Friends,

**Pre-harvest Coffee Strip Pick**

Although the first round (usually a small volume) of coffee harvested will typically yield very little marketable coffee compared to main-round harvested coffee, avoid leaving this first-round cherry and raisin on the trees. Similar to the berries that were carried over between seasons, this crop will serve as a reservoir from which CBB will emerge and infest subsequent rounds.



- The first round of harvest often has a high level of CBB and may be treated as a sanitation strip-pick if all color-break, ripe, over-ripe, and raisin cherry are picked.
- Process and/or destroy fruit from this first-round harvest. An option is to float the harvest by dumping it into a container of water and removing the raisins and badly damaged berries which rise to the surface.

Check with your processor as some are offering to accept pre-harvest strip picked coffee and raisins with payment for ripe cherry.

Read additional recommendations for the coffee harvesting at: [www.hawaiicoffee.com/harvesting](http://www.hawaiicoffee.com/harvesting)

**Spray or Not to Spray?**

Some farmers are still seeing the development of young berries (and even flowering). You might consider sampling younger berries to determine if you should continue to spray and kill CBB, or stop spraying due to a majority of CBB being in the C/D position. In place of spraying, efficient harvesting and berry removal can be used to manage CBB populations in the field. Click [here](#) for the thirty trees sampling instructions.

This excel spreadsheet (click [here](#) or worksheet image) can be used to input your berry counts and dissection data when sampling. The embedded formulas will calculate your infestation and A/B alive percentages for you. Use these percentages and the colorful table provided on the spreadsheet, to help aid your decision to spray or not. After clicking the image to the right, check your downloads folder if the sheet does not automatically open on your screen. In the file, use the template worksheet to create additional copies and save each sampling on a separate worksheet, which you can rename.

Thirty Trees Sampling Worksheet: Percent Infestation by CBB

Date: \_\_\_\_\_ Farm: \_\_\_\_\_  
 Plot Size (a): \_\_\_\_\_ Frequency: \_\_\_\_\_

Branch	Column A: # of Green Berries	Column B: # of Infested Berries	Column C: Notes
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
Total	0	0	

Information to Determine When to Spray

X: Infested =  N/A    A/B Alive =  C/D =   
 Y: A/B =  N/A    A/B Dead =  Absent =   
 Z: C/D =  N/A    Total # Assessed Berries =

Form: [https://www.hawaiicoffee.com/30-Trees-Sampling-Worksheet-2019-08-01](#)

Table 1. Example of Percent Live CBB in the A/B Position for Spray Determination

Branch	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Legend:

- 0-100: Percent of live CBB in the A/B position
- 0-100: Percent of live CBB in the C/D position
- 0-100: Percent of live CBB in the E/F position
- 0-100: Percent of live CBB in the G/H position
- 0-100: Percent of live CBB in the I/J position
- 0-100: Percent of live CBB in the K/L position
- 0-100: Percent of live CBB in the M/N position
- 0-100: Percent of live CBB in the O/P position
- 0-100: Percent of live CBB in the Q/R position
- 0-100: Percent of live CBB in the S/T position
- 0-100: Percent of live CBB in the U/V position
- 0-100: Percent of live CBB in the W/X position
- 0-100: Percent of live CBB in the Y/Z position

-Andrea

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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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### **Virtual Entrepreneur Meetup**

Always FREE and open to the public  
Guest speaker - Elan Amir, Founder & Marketing Strategist - EPA Marketing  
Wednesday, July 8, 2020 from 5:30 pm to 7:00 pm  
Email [jason@hiplan.biz](mailto:jason@hiplan.biz) for Zoom link

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### **Little Fire Ant ZOOM Presentation**

Little Fire Ants (LFA) are listed as one of the world's top 100 most invasive species. They are a pest to residents and industry alike, with a fiery sting that is changing our way of life. The best way to lose coffee pickers is to have these pests on your farm. Many in the coffee industry are impacted by LFA, and we hope you can join the free webinar put on by Hawaii Ant Lab that will cover biology, prevention, early detection, and treatment of this horrible pest. Please see training details, including Zoom link, below. If you have any questions, please feel free to contact [heather.forester@littlefireants.com](mailto:heather.forester@littlefireants.com) or visit [www.littlefireants.com](http://www.littlefireants.com)

Topic: KCFA LFA Training  
Time: Jul 16, 2020 02:30 PM Hawaii-Thursday

Join Zoom Meeting - <https://bit.ly/3iFsltb>

Meeting ID: 864 2229 7285  
Password: 440729

Mahalo,  
Heather Forester  
Invasive Ant Extension Specialist

Hawaii Ant Lab  
16 East Lanikaula Street  
Hilo, HI 96720  
(808) 315-5656

For more information, please visit our website [www.littlefireants.com](http://www.littlefireants.com)

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**Webinar: Do's and Don'ts for Teaming Agreements & Subcontracts**

**Thursday, July 16**

**10:00 am - 1:00 pm**

Speakers: Christina Jones, Sr./Lead Procurement Specialist, Norcal PTAC

Monique M. Holmes, Deputy for Small Business Programs U.S. Army Corps of Engineers, Honolulu District

Topics Covered:

- What is a teaming agreement?
- Benefits of teaming
- Factors to consider when selecting a teaming partner
- Considerations when negotiating agreements
- 8(a) and Small Business considerations
- Introduction to the Mentor-Protege Program
- Differences between subcontracting, teaming, and joint venturing
- Tips for success
- Contracting with the US Army Corps of Engineers

For more information contact [www.hiptac.org](http://www.hiptac.org)

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### **Funds Awarded to Innovative Hawaii Island Ag Projects**

Four winners have been announced in the MahiX open innovation challenge to develop out-of-the-box solutions to some of Hawai'i's most pressing agriculture issues.

Kamehameha Schools (KS) and Ulupono Initiative made the announcement on Thursday during a video conference, and said the institutions are investing a combined total of \$50,000 in the MahiX winners.

MahiX is modeled after the XPRIZE, and is a component of Kamehameha Schools' Mahi'ai a Ola initiative, "which strives to promote sustainable agriculture and revitalize Hawai'i's farming industry," representatives say.

**The winners are:**

- **SmartWater CSI**
- **Hawai'i Island Farm Trails smartphone application and website**
- **A collective impact initiative**
- **Policy research and solutions**

Continue reading at <https://bit.ly/3gAH9qQ>

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### **USDA Agriculture Innovation Agenda Listening Session**

**USDA Solicitation of Input from Stakeholders on Agricultural Innovations - Western Region**

*WEDA, WAAESD, eXtension*

**July 9th, 2020, 12 Noon – 2 PM Hawaii (HST)**

**Register at <https://bit.ly/3iMnQg8>**

**The meeting agenda is provided at the end of this email.**

The Western Extension Directors Association (WEDA) and the Western Association of Ag Experiment Station Directors (WAAESD) invite you to participate in the USDA Agricultural Innovation Agenda Listening Session for the Western Region on **July 9th from 12 Noon – 2 PM Hawaii Time**. Please share this invitation with other agriculture professionals and producers.

### **Background on USDA's Agriculture Innovation Agenda**

The Agriculture Innovation Agenda (AIA) is the USDA commitment to support American farmers, ranchers, producers, and foresters through an effort to align and help measure progress toward meeting the food, fiber, fuel, feed, and climate challenges of the future. Read more about the Agriculture Innovation Agenda at <https://bit.ly/38LCxvt>

### **Overview**

USDA is accepting public comments and written stakeholder input (Federal Register Requests) through August 1, 2020. Respondents are asked to identify transformational innovation opportunities for the next era of agriculture productivity and environmental conservation, and propose approaches to these opportunities with an eye to the public and private sector research and education needed to support them. Input from the agricultural and scientific communities will help inform USDA's research goals for the next 10 to 30 years, with the intent of aligning applications, technologies, and innovation strategies to best address these goals. The report is to be released by the end of this year.

### **Framing the Discussion**

USDA has identified four innovation clusters that present broad potential for transformative innovation around which input is being sought. These clusters are:

- **Genome Design**—Utilization of genomics and precision breeding to explore, control, and improve traits of agriculturally important organisms.
- **Digital/Automation**—Deployment of precise, accurate and field-based sensors to collect information in real time in order to visualize changing conditions and respond automatically with interventions that reduce risk of losses and maximize productivity.
- **Prescriptive Intervention**— Application and integration of data sciences, software tools, and systems models to enable advanced analytics for managing the food and agricultural system.
- **Systems Based Farm Management**—Leverage a systems approach in order to understand the nature of interactions among different elements of the food and agricultural system to increase overall efficiency, resilience, and sustainability of farm enterprises.

Short videos by subject matter experts provide context for these innovation clusters and can be viewed at <https://bit.ly/2CIDUVK>

Stakeholders are asked to respond to the following questions:

- What agricultural commodity, group of commodities, or customer base does your response pertain to or would benefit?
- What are the biggest challenges and opportunities to increase productivity and/or decrease environmental footprint that should be addressed in the next 10- to 30-year timeframe?

- For each opportunity identified, answer the following supplemental questions: a. What might be the outcome for the innovation solution (e.g., the physical or tangible product(s) or novel approach) from each of the four innovation clusters? b. What are the specific research gaps, regulatory barriers, or other hurdles that need to be addressed to enable eventual application, or further application, of the innovation solution proposed from each of the four innovation clusters?

USDA Solicitation of Input from Stakeholders on Agricultural Innovations - Western Region

**Time (Hawaii - HST)**

**Activity**

12:00 PM - 12:05 PM - Welcome

12:05 PM - 12:30 PM - What is the Ag Innovation Agenda & Why Are We Here? Questions

12:30 PM - 1:20 PM - Brainstorming: Challenges & Opportunities

1:20 PM - 1:30 PM - BREAK

1:30 PM - 2:00 PM - Summary & Review of Innovation Priorities - Facilitators Report Back

2:00 PM - End Event

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**The Independent Voice July 2020 Newsletter**

To view the full newsletter visit <https://bit.ly/2O7IY3B>

In this issue:

- Candidate Colehour Bondera
  - Buy Hawaii, Give Aloha Website
  - Surplus Green Coffee? Farmer Relief
  - Longtime KCFA Member Jim Hope Died
  - Worker Travel under Quarantine Conditions
  - Coffee Root-knot Nematode Webinar
  - NAFTA Expires on July 1st
  - Webinars on Hawaii Coffee
  - SBA COVID-19 Relief Options
  - CDC Guidance for Ag Employers and Workers
  - Little Fire Ant ZOOM Presentation
  - To Freeze or not to Freeze
  - Short Joke
  - Chet's COVID Vacation
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