

July 2017 – Events and Announcements

Dear Growers and Friends,

Coffee Nutrition:

Tree health is especially important during this time of year as leaves are very important for a tree's ability to create its own energy (photosynthesis), for gas exchange, and for such activities as berry maturity. Your goal should be to keep as many leaves on the coffee tree as possible through harvest.

During bearing you may notice the leaves turning yellow and perhaps the leaf tip and margin are brown. Coffee fruits require more nitrogen and potassium than other elements to develop properly and mature. According to research, a harvested crop of 10,000 pounds of cherry (ripe berries) contains about 63 pounds of nitrogen (N), 13 pounds of phosphorus (P, but calculated as P₂O₅), and 68 pounds of potassium (K, but calculated as K₂O). This means that to keep your crop sustainable, you should at least provide your trees with nutrients in a ratio of about 5:1:5 (N, P, K) throughout the season to replace what is removed from harvest. For example, coffee special (12-5-25) has a ratio of about 2.5:1:5. Depending on the nutritional status and production load, you will likely need to apply additional nitrogen to the trees during the summer to supply enough nutrients to the plants to support berry development through harvest. Leaf and soil samples, past yield records, and estimated current yield can help to determine which macro- (N, P, K, Ca, Mg) and micronutrients (B, Cu, Fe, Mn, Na, Zn) and how much of each are needed by the plants. Find additional coffee information at: <http://bit.ly/2tmDiJn>.

CBB Control:

Field sanitation is very important for controlling Coffee Berry Borer (CBB). Early rounds of harvest are happening now for some growers, and have happened for our research station as well. These berries were likely the result of flowering that happened in Nov/Dec. This will not be a typical harvest, but is a CRITICAL harvest. Early season harvests tend to be small with a lot of floaters (hollow beans) and high CBB damage. Please DO NOT leave these berries on the tree. Pick all cherries to raisin (dried) berries and destroy if not worth processing. Water can be used to float out and remove raisins from the harvest. Continue to harvest as often as possible once berries begin ripening. Every 2-3 weeks is ideal for CBB management as this interval will prevent cherry from becoming raisins and the next generation of CBB from exiting the coffee and infesting nearby berries. For more information about CBB visit: <http://hawaiicoffee.weebly.com/>

Lychee:

Most 'Kaimana' and early-bearing cultivars have been harvested, although varieties like Groff and Kwai May Pink, also called Bosworth 3, may still be available. Light tip pruning should be done with the harvest or immediately following the end of harvest. Severe pruning should be used to reduce tree height with the understanding that fruit production will be minimal to non-existent in the next season. Apply a fertilizer with moderate N, low P, and higher K such as 10-5-20, immediately after harvest to encourage some flushing. Too much nitrogen can encourage excessive vegetative growth and nitrogen in the tree thereby reducing flowering and fruit production in the following season. Find additional lychee information at: <http://bit.ly/2tmFEHF>.

New Fruit Extension Publication:

"Local and Imported Fruits in Hawaii From a Nutrient Perspective" - <http://bit.ly/2soa9IS>

Coming soon! Be on the look-out for our new "Tropical Fruit Tree Propagation Guide".

Reminder:

I will be away from the office July 5th to 14th and then again from July 19th to 22nd. If you have a farm emergency, please contact Dr. Alyssa Cho at [\(808\) 969-8225](tel:8089698225) or acho@hawaii.edu or Sharon Motomura-Wages at [\(808\) 969-8250](tel:8089698250) or smotomur@hawaii.edu. For tissue/soil, water, insect/nematode/disease samples, contact the Kona Extension Office at [\(808\) 322-4892](tel:8083224892). If you send me an email or leave a message while I'm away and don't hear from me in a timely manner post July 22nd, please follow-up with me.

-Andrea

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

Tuesday, July 4th, in observance of Independence Day

Visit <http://hawaiicoffee.weebly.com/events-and-announcements.html> for additional information on the following events, announcements and more.

Hawaii Macadamia Nut Association Annual Meeting - Hilo

Saturday, July 8, 2017

8:30 am - 4:00 pm

Nani Mau Gardens

421 Makalika Street

Hilo, HI 96720

Presentations will touch on: • Preliminary results from macadamia variety trials • Climate change and weather patterns
• Soil health for orchards • FSMA compliance for growers

Register online at <http://www.hawaiimacnut.org/>

Hawaii Organic Farming Association - Annual Conference - Kona

Saturday, July 22, 2017

8:30 am Registration

9:00 am - 4:00 pm

Ma`ona Community Garden

84-5097 Keala O Keawe Road

Captain Cook, HI 96704

Register Online & See Schedule at: hawaiiorganic.org/membership/conference-registration

2017 Hawai'i Ag Conference - Oahu

Tuesday, August 29, 2017 - Wednesday, August 30, 2017

Hawaii Convention Center

1801 Kalakaua Avenue

Honolulu, HI 96815

Registration is now open and available online. General registration is \$250 through July 15, then \$300. For more information about AG2017 or to register for the conference, visit <http://hiagconference.org>.

Job Announcement - CTAHR - Junior Extension Agent - KONA

Position #: 0085500T
Position Title: Junior Extension Agent
Closing date: Continuous Recruitment, Review of Applications to begin July 17, 2017

This full-time position in Kona has been **re-advertised**. It will involve extension and outreach on Coffee Berry Borer. To view the job announcement, go to <http://bit.ly/2rZfZ4f>.

Questions, please contact Andrea Kawabata at 808-322-4892 or andreak@hawaii.edu.

Job Announcement - CTAHR - Junior/Assistant Extension Agent - HILO

Position Number: 85440
Position Title: Junior or Assistant Extension Agent
Closing date: August 15, 2016
For best consideration, all application materials should be submitted by July 24, 2017.

The Big Island Jr./Asst. Extension Agent position in Sustainable Agriculture for Edible Crops has been **re-advertised**. Application review will begin after July 31, 2017.

For the full job announcement and how to apply, go to <http://bit.ly/2sjMqtk>.

EPA Comments on Pyrethroids by June 29, 2017

EPA is requesting comments on the ecological risk assessment portion of the registration review of the pyrethroid insecticides. EPA is conducting this step on the pyrethroids as a class of chemicals rather than conducting assessments by individual chemical. This is the reason EPA is requesting comment on most of the registered pyrethroids at the same time.

Please be aware that EPA has identified ecological risks of concern for the pyrethroid insecticides (for most of the chemicals and most of the uses). To address these risks, label changes for the various pyrethroids are quite possible.

So, at this time, it would be appropriate to provide EPA with use and usage information for the various pyrethroids. Many products that contain a pyrethroid have label directions for use on food crops.

Please review, "pyrethroid products for food crops", <http://bit.ly/2tl2wlh>, for the specific pyrethroid ingredients and examples of products that contain these ingredients. If you use any of the ingredients or products listed (or any other pyrethroid product), please answer "questions for pyrethroid ecological risk assessments," <http://bit.ly/2rZ6HW2>, for each of the products.

Further information about the registration reviews for the pyrethroid insecticides can be found at <http://www.regulations.gov>. In the search box, type in the docket ID number for the ingredient you are interested in. The docket ID number is in parentheses next to the active ingredient name in the list of products. (The format for EPA's docket ID numbers is "EPA-HQ-OPP-20xx-xxxx").

All are welcome to submit comments directly. Comments must be received before 11: 59 p.m., Eastern Standard Time, on July 7, 2017. Go to <https://www.regulations.gov>, type in the docket ID number in the blue search box. On the search results page, click on the blue "Comment Now!" button to submit comments.

If you are submitting directly to regulations.gov, please send a copy or a notification of comments to Cathy Tarutani (UH Extension Pesticide Programs). Comments and questions can also be sent directly to Cathy by June 29, 2017 at:
voice: [808-956-2004](tel:808-956-2004)
ctarutan@hawaii.edu

CBB IPM Recommendations for Hawaii 2016 - Spanish version now available

The Spanish version of the CBB IPM Recommendations for Hawaii 2016 document is now available. To view the publication, go to <http://bit.ly/2tIA3IO>.

HDOA Beauveria Subsidy Program Announcement

Aloha Coffee Growers,

The **new** application is available for reimbursement on purchases of *Beauveria bassiana* made from **7/1/2016 through 6/30/2017**. Applications will be accepted through June 29, 2018.

The HDOA CBB Pesticide Subsidy application is online at <http://bit.ly/2tqmKR7>

The application requires your contact information, TMK number, CBB damage, CBB management strategies and other information about your farm, and takes approximately 25 minutes to complete. Once you have completed the application, you will be contacted within two weeks by the CBB Pesticide Subsidy office to schedule an appointment to sign the application and bring in the required documents (original receipts, a Driver's License or State Issued ID, your State of Hawaii General Excise Tax ID and Social Security number or Federal Tax ID, and your land lease *if* your name is not listed on the TMK).

Thank you for your interest in the CBB Pesticide Subsidy program. Contact the office at hdoa.cbb@hawaii.gov or call 808.323.7578 to obtain a copy of the application, or for additional information.

New Coffee Pesticide Product Registered for Use in Hawaii

[Delegate WG](#) has been recently (March 2017) registered for use on coffee in Hawaii and is also labeled for use on fruit and nut crops. This product is labeled for control or suppression of lepidopterous larvae (worms, caterpillars), dipterous leafminers, thrips, and certain psyllids in banana and plantain, bushberries, caneberrries, citrus, coffee, cranberry, dates, fig, grape, hops, pistachios, pome fruits, pomegranate, stone fruits, tree nuts, tropical tree fruits.

This product (Delegate WG) has restrictions:

- Preharvest Interval: Do not apply within 7 days of harvest.
- Do not apply more than a total of 19.5 oz of Delegate WG (0.305 lb ai spinetoram) per acre per year.
- Maximum Number of Applications: Do not make more than six applications per calendar year.
- Minimum Treatment Interval: Do not make applications less than 5 days apart.

If using this product or any pesticide, follow all label instructions and directions.

The label can be downloaded at: <http://bit.ly/2snXANK>

New Scale on Papaya

Grey scale, *Pseudoparlatoria ostreata* Cockerell, found on papaya is a new state record for this species in Hawaii. For more photos of the scale, check out Dr. Scot Nelson's flickr page, <http://bit.ly/2sjugZ3>.



CTAHR - CTAHR Guidelines for Extension and Research Activities on Marijuana

CTAHR recently updated the guidelines for extension and research activities on Marijuana. To review the guidelines, go to <http://bit.ly/2thS8QX>.

KCFA - The Independent Voice - June 2017 Newsletter

To view the newsletter, go to <http://bit.ly/2tltQ9m>. In this issue:

- Doing Business in China
- Legislative Update
- Q Trader Training and Exam
- Thank You Volunteers
- Growing Coffee in California
- Chemistry of Coffee Roasting
- Local Inventors Attack Fire Ants
- Interested in Export Markets?
- Hawaii Farmers Exchange
- The Price of Kona Coffee on the Mainland
- Salute to Supporting Business Member: Kona Decaf Coffee Co.

HCA - June Newsletter

For the Hawaii Coffee Association Newsletter, <http://bit.ly/2sj04eG>. This month's issue includes:

- Barista Throwdown - Sign up for the Free-Pour Latte Art Competition
 - HCA Conference Workshops & Presentations
-

USDA Farm Service Agency Hawaii & Pacific Basin - June Newsletter

For the newsletter, go to <http://bit.ly/2sec7jY>. This issue includes the following:

- Census of Agriculture Countdown Begins for America's Farmers and Ranchers
- County Committee Nominations Open
- Payment Limitations by Program
- Farm Reconstitutions
- June 2017 Interest Rates

Coffee & Cocoa International - Newsletter - Issue 78

For the newsletter, go to <http://bit.ly/2t1p1wB>. This issue includes the following topics:

- Future of Coffee Depends on Adequate Income for Farmers Says Report
- Coffee Prices Continue to Fall but at Lower Rate
- ISO Standard for Cocoa to be Reviewed
- Côte D'ivoire and Ghana to Create Joint Cocoa Body

Coffee & Cocoa International - Newsletter - Issue 79

For the newsletter, go to <http://bit.ly/2thgijH>. This issue includes the following topics:

- Veolia Unveils Coffee Cup Recycling Solution
- Guatemala Cup of Excellence Breaks Records
- Action Needed to Safeguard Ethiopian Coffee from Effects of Climate Change