

Kona Cooperative Extension – Events and Announcements Newsletter

Volume 11-3, November 2021

Dear Growers and Friends,

Save money on pesticides, protect the environment and our resources, and stay legal. Learn how to calibrate your handheld sprayer and calculate proper pesticide rates per gallon of water or per tankful with our recently published publication and Excel worksheets. Go to HawaiiCoffeeEd.com and click on the coffee leaf rust tab.

Please read through the publication first as it will help you understand the need to correctly adjust for good spray coverage, why, when, and how to calibrate your sprayer, and then provides a step-by-step guide on how to use the Excel Worksheets to calculate the amount of pesticide needed per gallon of water to remain within the pesticide label's legal requirements. Download and use the Excel worksheet. Input your own data and then use the information to mix and apply pesticides at a rate for your farm.

Learn How to Calibrate your Handheld Sprayer and Calculate Pesticide Rates per Gallon of Water and Per Tankful

Published 11/10/21



This "Sprayer Calibration with Handheld Sprayer Systems for Orchard Crops" publication includes information on:

- Why calibrate a sprayer?
- Examples of when to calibrate your sprayer
- What to do before calibrating your handheld sprayer
- How to calibrate your handheld sprayer for orchard crops
- Preparing and applying the pesticide spray solution
- Calculating the amount of product per gallon and per tankful
- Mixing and spraying pesticides
- Unit conversions, a field sheet for hand calculations and an example of calibration, pesticide calculations, mixing, and application is included.

Sprayer Calibration Excel Workbook - Windows 97-04 version, Windows/Mac version (coming soon)

- Simplifies calculations needed for calibrating a sprayer and determining the amount of pesticide product per gallon of water or per tankful of water
- Download the [Windows 97-04 version \(xls\)](#)
- Download the [Windows/Mac version \(xlsx\)](#)

In the new year, we'll be holding sprayer calibration field days to demonstrate how to calibrate sprayers and how to use the Excel Worksheets. Please join us when the field days are announced.

CBB/CLR Management

Many of us are done or nearly completed with the harvest season. I'm resending this information as a friendly reminder. Be sure to strip-pick your trees of all green, ripe and raisined coffee and process and/or destroy the coffee to manage CBB at the end of the harvest. This dry weather seems to have slowed the germination of CLR spores and current spread, but don't let your guard down. All that is needed is about 24-48 hours of water remaining on the leaves to allow CLR spores to germinate and create new spots and lesions. If weather conditions favor CLR, consider spraying an approved fungicide to kill live CLR spores on the leaves prior to rain. If necessary, spray following rainfall as well, especially if rain was not anticipated. The CLR spray publication is also available in Spanish, Ilocano, and Tagalog at <https://www.hawaiicoffeeed.com/clrspraying.html>

If you've already stripped your trees, you can also set up CBB traps to attract, capture, and kill any CBB remaining in coffee berries inadvertently left on the ground and in the trees. But, don't forget to remove your traps if you no longer can service them or when *Beauveria bassiana* (BotaniGard/Mycotrol)

spraying commences.

Coffee Pruning

Unless necessary, pruning before the new year is not recommended especially in these dry weather conditions. If possible wait until Jan/Feb to prune. But, PRIOR to pruning, be sure to:

1. Strip-pick all coffee from the branches to kill CBB, and
2. Spray before and/or after strip-picking with approved fungicides to kill CLR spores and reduce its spread.

If defoliation is severe, if CLR incidence is extremely high, or if you are unsure about continuing to actively farm coffee, please spray and then stump your trees and remove all foliage. Stumping in blocks or large continuous sections is also a means of controlling both CBB and CLR. If your trees are weak and may die from stumping, leave a nurse vertical (without leaves). See page 4 of the publication at <https://bit.ly/3lq6EAc>. Then, remove this nurse vertical once new verticals are generated on the stump. If you don't want to continue farming coffee, please stump and kill your coffee trees or remove the trees completely after strip-picking them. Don't be a reservoir of CBB and CLR for neighboring farms.

If you have any questions about CBB, CLR management, calibrating your sprayers, spray coverage, pesticide calculations, pruning, etc., please don't hesitate to contact me (andreak@hawaii.edu, 808-322-4892, 415-604-1511 (text ok too)).

Thank you,
Andrea

Visit <https://www.hawaiicoffeeed.com/events-and-announcements> for additional information on the following events, announcements and more.

Maui Tech Ohana - Ready to Launch: An Entrepreneur's Journey

Join us online for our next Maui TechOhana with networking and our guest speaker

Alex Fielding, CEO & Chairman, Privateer Space

Thursday, December 2

5:00 - 6:30 PM

VIRTUAL MEETING

Register at - <https://bit.ly/3DVZA5B>

Apply for the Kamehameha School's Mahi'ai Matchup Business Plan Competition -

<https://bit.ly/3D8qOVz>

HCA 26th Annual Conference - Save the Date - May 19-21, 2022

Aloha, HCA Friends and Supporters!

Please mark your calendars for the upcoming 26th HCA Annual Conference & Cupping Competition. We are planning on hosting a live event on the Island of Hawaii at the beautiful Outrigger Kona Resort &

Spa on the Kona coast.

More information about sponsorship opportunities, trade show and silent auction will be sent out soon. We hope to see you then!

HCA Planning Committee

EPA Proposed Interim Registration Review Decisions (PIDs) Open for Comment

Aloha,

There are a few products available for public comments. Please see below, I would love your feedback on the extent of use of these products on the islands. Please let me know if you are using any of these products and how important it is to your cropping system. Mahalo

HAPPY THANKSGIVING!

Napropamide (L-Devrinol) sweet potatoes 2005 - <https://bit.ly/3lbGT6E>

- Napropamide is a selective, pre-emergence herbicide with products registered for a variety of agricultural uses
- Substantive mitigations proposed in the PID include:
 - Require a PF-10 respirator for dry flowable (water dispersible granules) formulations, for ground boom applications for all uses (except for landscaping, turf, orchards, and vineyards) and for all dry flowable (water dispersible granules) formulations applied by chemigation for all uses;
 - Prohibit chemigation application with dry flowable (water dispersible) formulations for cranberry use and prohibit aerial application;
 - Reduce the maximum annual application rate for ornamentals from 12 lbs ai/acre/year to 8 lbs ai/acre/year (e.g., two applications of 4 lbs ai/acre per calendar year) or 6 lbs ai/acre/year (e.g., one application of 6 lbs ai/acre per calendar year);
 - Amend labels for 2 products as follows: (1) update all end-use product labels intended for occupational use to have an REI of 24 hours and (2) clarify the number of applications.

Permethrin - <https://bit.ly/3p3OogX>

- The comment period is only for the antimicrobial/wood preservative use of permethrin.
- Eco issues - potential aquatic risks of concern from use of permethrin in treated wood in aquatic environments (docks).
- HH issues - no risks of concern for the wood preservation uses.
- EPA already issued an Interim Decision for the conventional agricultural uses of permethrin.

Chlormequat chloride (Chlormequat E, Citadel) - <https://bit.ly/3E8KQQI>

Clorflurenol methyl ester (CME) - <https://bit.ly/3cRVS0R>

Cycloate (Ro-neet) - <https://bit.ly/3cYdlzb>

Famoxadone (Famoxate) - <https://bit.ly/3FPPaVB>

Sodium Chlorate - Inorganic Chlorates (Atlacide, Defol, De-Fol-Ate, Drop-Leaf, Fall, Harvest-Aid, Kusatol, Leafex, and Tumbleaf) - <https://bit.ly/3FL4Glu>

Nicarbazin (Carbigran) - <https://bit.ly/3cUnYZk>

Pentachloronitrobenzene -PCNB (Quintozene) - <https://bit.ly/3FNfZty>

Pyridalyl (Overture) - <https://bit.ly/3p2g3ik>

Spirodiclofen (Envidor) - <https://bit.ly/3FOQlo9>

Tetraconazole (Terazol) - <https://bit.ly/3HWvdyj>

Natalie Hein-Ferris

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Virtual Talk Story Feedback Survey

Aloha HCA Members and Friends,

Thank you for attending our Virtual Talk Story webinar! We really appreciate all of your participation and engagement. Please help us improve our future webinars by sharing your feedback.

- Complete Survey - <https://bit.ly/3p6j3dw>

To those who were not able to join us yesterday below is the recording of the session and [here](#) is more information from the webinar, including some of the presentation PDFs.

- View the Virtual Talk Story video - <https://bit.ly/3G6RHuX>

Mahalo and we look forward to connecting with you again!

Stay well,

Christopher A. Manfredi
President

Hawaii Coffee Association
president@hawaiicoffeeassoc.org

Mahalo - 1118 Virtual Invasive Pest Mini-Conference

Mahalo!! everyone who attended the 1118 Virtual Invasive Pest Mini-Conference yesterday (Nov 18, 2021). It's my pleasure to interact with you all with four valuable talks on invasive plants - detection, distribution, and prevention in Hawaii. Special thanks to the speakers - Ryan Perroy, Christy Martin, Nate Dube, and Chuck Chimera. Great presentations!!!

Here is the link to the mini-conference video recording just in case you have missed this meeting and are interested in viewing it on later dates. A chat note is also attached (Please check, it consists of some resources and useful links).

<https://bit.ly/32Djx3p>

Looking forward to the next min-conference.

Sincerely,
Roshan

USDA Agricultural Marketing Service (AMS) -- Local and Regional Food Systems Funding + Native American Heritage Month

View the full newsletter - **<https://bit.ly/3HQxFGF>**

In this issue:

- Recent Notices of Funds Available
 - Recent Grant Awards
 - November is Native American Heritage Month
 - New Initiatives from the National Organic Program
 - Seeds of Success: Digging into Farmers Market and Local Food Promotion Program
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The Kohala Center AG Resources November / MEDB Maui Tech Ohana / Western SARE November / Mahiai Match Up link to apply

View the full newsletter - **<https://bit.ly/3p3PwRJ>**

In this issue:

- COVID-19 Information
- Opportunities
- Events
- Production News

USDA FPAC Hawaii and Pacific Basin November Newsletter

View the full newsletter - <https://bit.ly/3DWv4bD>

In this issue:

- Is the Noninsured Crop Disaster Assistance Program Right for You?
 - Coronavirus Agricultural Relief Payments (CARPS)
 - FSA Encourages Farmers and Ranchers to Vote in County Committee Elections
 - Report Banking Changes to FSA
 - Dates to Remember
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