



Department  
of Agriculture  

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STATE OF HAWAII

## CBB-CLR PESTICIDE SUBSIDY PROGRAM 2021-22 ANNUAL APPLICATION

Subsidy For Purchases made July 1, 2020 through June 30, 2021

Pesticides to Manage Coffee Berry Borer & Coffee Leaf Rust

### FOR THE ONLINE APPLICATION

Go to <https://hdoa.hawaii.gov/pi/main/cbbsubsidy/>

Aloha Coffee Farmers,

The Hawaii Department of Agriculture (HDOA) Coffee Berry Borer (CBB) Pesticide Subsidy Program was established by Act 105, Session Laws of Hawaii 2014, to assist Hawaii coffee farmers with the cost of pesticides containing the fungus, *Beauveria bassiana* (i.e. BotaniGard® and Mycotrol®) known to control CBB. In 2017, the Hawaii Legislature extended the program through 6/30/2021. In 2021, the program was extended to 2023 and a Subsidy for Coffee Leaf Rust (CLR) pesticides was added.

Currently, applications are accepted until 6/30/2022 for **purchases made from 7/1/2020 through 6/30/2021.** Reimbursement is available for up to 50% of pre-tax costs for *Beauveria bassiana* products (BotaniGard and Mycotrol) and HDOA listed pesticides for CLR on coffee in HI. Depending on available funds, up to a maximum of \$1,200 per acre (\$600 for CBB & \$600 for CLR) and \$12,000 per farm (\$6,000 for CBB & \$6,000 for CLR) can be reimbursed. Applications must be fully completed by 6/30/2022 or those receipts will not be eligible for reimbursement.

If you have eligible purchases and wish to apply for the subsidy, please complete Section I (Farm Owner/Manager Information). The additional Sections are a Grower Survey which is optional, but essential for researchers and extension to assist farmers. The survey has been reduced to 10 questions, primarily focused on Coffee Leaf Rust management, and should take about 10 minutes to complete.

**If you are using this as a guide to complete the online application**, once you start the online application, you cannot save your responses and return at a later time. Be sure to click the "DONE" button at the end to record your responses. You can upload your receipts and sign online or you will be contacted by email with a signature page and request for receipts.

**If you prefer to complete the application on paper**, contact the CBB Pesticide Subsidy Program office at 808-323-7578 or by email at [hdoa.cbb@hawaii.gov](mailto:hdoa.cbb@hawaii.gov). You can submit your application and receipts by mail (PO Box 226, Captain Cook, HI 96704) or make an appointment to bring them in to Room #7 (next to the tax office) at 82-6130 Mamalahoa Hwy, Captain Cook, HI 96704.

**For new applicants**, a Driver's License or State issued ID, your State of Hawaii General Excise Tax ID Number, and your Social Security Number or Federal Tax ID are required. If your name is not listed as an owner or lessee on the TMK information provided by the County Real Property Tax Office, you will need to provide a copy of your lease.

Thank you for taking the time to share your experiences in managing CBB and CLR on the Growers Survey.



**HAWAII DEPARTMENT OF AGRICULTURE**  
**CBB-CLR PESTICIDE SUBSIDY PROGRAM 2021-22 ANNUAL APPLICATION**  
 Subsidy For Purchases made July 1, 2020 through June 30, 2021

Section I. Farm Owner/Manager Information			
Applicant Name: (please print first name & last name)			
Farm Owner Name(s):			Date:
Farm/Business Name:			Doing Business As:
Phone Number:	Preferred Contact Method:		<input type="checkbox"/> Phone <input type="checkbox"/> Email
Email Address:			# of Acres in Coffee:
Farm Address:			Tax Map Key #(s):
City:	State:	Zip:	
Mailing Address: (if different from farm address)			
City:	State:	Zip:	
Farm Manager (If other than owner)			
Farm Manager Name:			
Phone Number:		Email Address:	
Mailing Address:			
City:	State:	Zip:	
<p>Hawaii Department of Agriculture shall maintain the confidentiality of the information submitted pursuant to the CBB-CLR Pesticide Subsidy Program to the extent permitted by law. The disclosure of government records in the State of Hawaii is governed by chapter 92F, Hawaii Revised Statutes.</p> <p>I understand HDOA requires original documentation of costs for purchasing pesticides that contain <i>Beauveria bassiana</i>, a fungus known to control the coffee berry borer, and costs for purchasing pesticides listed by HDOA for CLR on coffee in HI. Information gathered for Program Impact will not be shared on an individual level; only summarized results will be shared with the State Legislature, CBB Task Force, UH CTAHR, coffee growers, and coffee organizations.</p> <p>Further, I shall indemnify and hold harmless the State and County of Hawaii, its officers, agents, and employees from all claims arising out of or resulting from the pesticide purchased.</p>			
Applicant Signature:		Date:	Rate the Process: 1 (easiest) to 5 (most difficult)
<p>HDOA CBB-CLR Subsidy Program: Phone (808)323-7578 email: hdoa.cbb@hawaii.gov</p> <p>Mailing Address: PO Box 226, Captain Cook, HI 96704</p> <p>82-6130 Mamalahoa Hwy, Rm #7, Captain Cook, HI 96704</p> <p><i>NOTE: Incomplete or incorrect information may lead to a delay in processing the application.</i></p>			
<b>For Office Use Only:</b> Date Application Received		Grower Survey completed: paper/online <input type="checkbox"/>	Copied original receipts <input type="checkbox"/>
CBB Receipt(s) Total x 50% =		CLR Receipt(s) Total x 50% =	Approved Reimbursement Amount:
V8 <input type="checkbox"/>	TMK(s) Verified by/on <input type="checkbox"/>	Government ID on file <input type="checkbox"/>	Date Submitted for Reimbursement:

The information provided by the applicant for the following questions is voluntary. However, it is vital for assessing the effectiveness and impact of the CBB-CLR subsidy, educational programs, and research. (*Grower Survey takes approx 10 min*)

Most of the 10 questions are about your management of **CLR- Coffee Leaf Rust** (*Hemileia vastatrix*) or La Roya.

## Section II. Grower Survey

### 1. How did you learn about this program?

- HDOA       UH-CTAHR       Other Farmers       Coffee Organizations  
 Vendors       Processors       Other (please specify) \_\_\_\_\_

Applied previously

### 2. Estimate the level (% infection of coffee leaves) of CLR- Coffee Leaf Rust on your farm now.

- No CLR       5-10%       26%-50%       I don't know  
 Under 5%       11%-25%       Greater than 50%

### 3. Since the discovery of CLR in HI, what farm management practices have you changed? (check all that apply)

#### PREVENTION

- Decontaminate my field clothes, supplies, tools, and equipment, with 70% alcohol or 10% bleach (chlorine and water) solution before and/or after entering other fields or farms.  
 Require my employees/farm workers to wear clean clothing and decontaminate supplies, tools, and equipment before coming to my farm.

#### MONITORING

- Survey, scout and/or monitor for CLR on my trees.

#### FIELD SANITATION

- Destroy CLR-infected leaves on my farm by burying, covering, heating, or containing for at least 6 weeks.  
 Increased weed control and maintenance around my coffee trees.  
 Increased the level of pruning and desuckering, reducing the density of branches in my coffee lands.  
 Decreased overstory shade and surrounding trees and plants for greater airflow, lower humidity, and sunlight penetration to the ground and coffee trees.  
 Reduced or eliminated the use of (organic or non-organic) herbicides around my coffee trees.

#### TREE NUTRITION

- Submitted coffee soil and/or leaf tissue samples for pH and nutrient analysis.  
 Increased or modified my fertilization program to improve my farm's coffee tree health.  
 Increased, modified or begun to incorporate foliar fertilizers into my spray program.  
 Included organic matter, compost, mulch, green manure, and/or ground covers to improve soil health

#### SPRAY PROGRAM

- Spray HDOA-approved fungicides to control CLR and other diseases of coffee for the first time.  
 Tank mix HDOA-approved (organic or non-organic) pesticides to control Coffee Berry Borer and CLR and/or foliar fertilizer products to save money and time.  
 Following the product label, increased the rate and/or frequency of HDOA-approved (organic or non-organic) fungicide sprays for CLR prevention and/or control.  
 Other (please explain) \_\_\_\_\_

### 4. What fungicides are you using to manage or prevent CLR from establishing on your farm? (check all that apply)

- OMRI approved, organic copper-based fungicides (Badge X2, Cueva Fung. Conc., Kocide 3000-O, or Mastercop Bact/Fung.)  
 Conventional, non-organic copper-based fungicides (Badge SC, Champ Form. 2 Flow. AFB, Champ WG, Kocide 3000, Nu-Cop HB and Nu-Cop 30HB)  
 Biological fungicide (Serenade ASO, DoubleNickel LC or DoubleNickel 55)  
 OxiDate 2.0  
 Priaxor Xemium

- None
- Other (please specify) \_\_\_\_\_

**5. What combinations of commercial, coffee-approved products do you combine to save on time and the costs of spraying?** Such products can be foliar fertilizers, BotaniGard or Mycotrol, surfactant, spreader, and/or sticker adjuvants, copper fungicides, biological fungicides, OxiDate 2.0, Priaxor Xemium, insecticides, miticides, etc.

\_\_\_\_\_

\_\_\_\_\_

**6. Has spraying for CLR helped you control other coffee diseases such as cercospora & anthracnose on your trees?**

No                       Yes                       I don't know

If yes, what product(s) and rate(s) are working for you? \_\_\_\_\_

\_\_\_\_\_

**7. Do you feel that you are managing CLR on your farm at a level that keeps your operation profitable?**

Yes                       No                       I don't know

Why or why not? \_\_\_\_\_

**8. Select the most accurate response. Because of the presence (or prevention) of CLR on my farm(s):**

	Increased a lot	Increased a little	Remained the same	Decreased a little	Decreased a lot
My awareness of my farm's situation has					
The frequency that I walk/drive around my farm					
My physical participation in farm activities has					
The labor needed to farm my coffee has					
My farm costs have					
My farm profitability has					

**9. What coffee farming workshops, field days, webinars, training sessions are you interested in? (check all that apply)**

- CLR research and management recommendations
- CBB research and management recommendations
- Coffee root-knot nematode research and management recommendations
- Other coffee tree pest and disease management recommendations
- Feral pig and other ungulate control and management
- Coffee tree health, nutrition, soil and tissue sampling
- Soil health including composting, mulching, groundcover, and other considerations
- Coffee pruning and desuckering
- Coffee harvest and processing
- Worker protection standard (WPS) and safe pesticide use
- Train the trainer WPS to train your own workers and employees on WPS
- Sprayer calibration for proper pesticide application rates and understanding product labels
- Farm and production record keeping
- Financial and business record keeping
- Other (please specify) \_\_\_\_\_

**10. Do you have any Coffee Leaf Rust management techniques you'd like to share?**

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