

COFFEE BERRY BORER PESTICIDE SUBSIDY PROGRAM 2019-20 ANNUAL APPLICATION For Subsidy For Purchases made July 1, 2018 through June 30, 2019

Form PPC19-01 expires 6/30/2020

USE THIS AS A GUIDE TO THE ONLINE APPLICATION

Available online at https://www.surveymonkey.com/r/NDWKVK5

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.

Currently, applications are accepted until 6/30/2020 for **purchases made from 7/1/2018 through 6/30/2019**. For purchases made during this time period, reimbursement is available for up to 50% of out-of-pocket costs for *Beauveria bassiana* products and depending on number of applicants and available funds, up to a maximum of \$600 per acre and \$6,000 per farm. Any applications received or postmarked after 6/30/2020 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) and II (Program Impact). If you already applied for the subsidy for this year and would like to provide information on CBB management on your farm, please do for research and extension purposes.

It will take about 20 minutes to complete the application. You will need to provide your contact information, tax map key (TMK) number, total harvested cherry yield for 2018/19 season, 3 #s from your harvested cherry CBB% damage from mid 2018/19 season, and other general production and economic information about your farm. If you own more than one farm, one application is required for each GET tax entity.

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 will be contacted and provided an appointment date and time.

If you choose to complete the application on paper, contact the CBB Pesticide Subsidy Program office at 808-323-7578 or email at hdoa.cbb@hawaii.gov to schedule an appointment.

Bring these required documents to your appointment: original receipts, 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. 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 experience managing CBB.



HAWAII DEPARTMENT OF AGRICULTURE COFFEE BERRY BORER PESTICIDE SUBSIDY PROGRAM 2019-20 ANNUAL APPLICATION

For Subsidy For Purchases made July 1, 2018 through June 30, 2019

Section I.	Farm Owner/Manager Ir	nformati	ion			
Applicant Na	ame: (please print first name & last name)					
Farm Owne	r Name(s):				Date:	
Farm/Busine	ess Name:				Doing Busir	ness As:
Phone Num	ber:		Preferred Contac	t Method:	☐ Phone	☐ Email
Email Addre	SS:				# of Acres i	n Coffee:
Farm Addre	ss:				Tax Map Ke	ey #(s):
City:		State:	Zip:			
Mailing Add	ress: (if different from farm address)					
City:		State:	Zip:			
Farm Mai	nager (If other than own	er)				
Farm Manag	ger Name:					
Phone Num	ber:	Email Ad	dress:			
Mailing Add	ress:					
City:		State:			Zip:	
	tment of Agriculture shall maintair ne extent permitted by law. The di ntes.					
control the co	HDOA requires original documenta offee berry borer, and that HDOA not be shared on an individual level; rs, and coffee organizations.	nay contact	t me with important	information ab	out CBB. Info	rmation gathered for Program
	II indemnify and hold harmless the rom the pesticide purchased.	State and	County of Hawaii, its	officers, agen	ts, and emplo	yees from all claims arising out of
Applicant Sig	gnature:			Date:	1	late the Process: (easiest) to 5 most difficult)
, , , , , , , , , , , , , , , , , , , ,	HDOA CBB Subsidy Mailir	ng Address) Mamalal	s: PO Box 226, Capt hoa Hwy, Rm #7, Ca	78 email: ho tain Cook, HI aptain Cook,	doa.cbb@ha [,] 96704 HI 96704	waii.gov
For Office Use O	nly: Time/Date Received	TMK(s) Verif	fied by/on		Grower Survey	completed:
Receipt(s) Total	x 0.50		Approved Reimburseme	nt Amount:		
V8	Copied Original Receipts	Government	t ID on file Approved	Date:	Date Submitted	for Reimbursement:

The information provided by the applicant for the following questions is voluntary, however, it is vitally necessary for assessing the effectiveness of the CBB Subsidy Program and for HDOA's report to the Legislature.

Section I. Farm Owner/Manager Information (continued)

1.	How did you learn about this program? ☐ CTAHR ☐ HDOA ☐ Vendors ☐ Processors	☐ Applied previously ☐ Other Farmers ☐ Coffee Organizations ☐ Other (please specify)
2.	☐ In the past 6 months☐ In the past 7 to 12 months	lanagement workshop? Check all that apply. ☐ In the past 1 - 2 years ☐ In the past 3 or more years ☐
3.	Have you received the 2016 CBB Integrated ☐ Yes ☐ No	Pest Management document from the University of Hawaii?
4.	Where do you get information to control CE □ www.hawaiicoffeeed.com website □ CTAHR workshops □ Talking with CTAHR staff □ Talking with HDOA staff □ HDOA webpage for CBB □ 2018 CBB Conference	BB? Select as many as you use. Your coffee organization webpage/newsletter Your coffee organization workshops Talking with other coffee growers Talking with processors/millers Other web based information Other (please specify)
Sect	ion II. Program Impact Part	1. Information About Your Coffee Farm
1.	What was your total cherry yield in lb.s for	2018-19 harvest season?
2.	What percent do you sell as: % cherry % roasted % not sold	% parchment % green
3.	What is the average elevation in feet of you	r farm?
4.	Estimate the total number of coffee trees o	n your farm
5.	What is the normal tree spacing on your far Feet between trees in the row. Feet between rows.	m (e.g. 8 by 8 ft.)? □ I do not have clear rows. □ Other (specify)
6.	Estimate the number of grafted trees on yo	ur farm
7.		oltiple varieties, indicate the % of each variety (to equal 100%). ———————————————————————————————————
	☐ Hedging - top and/or sides cut ☐ Other (please specify)	

1. At peak of 2018-19 harvest, what were 3 of your Harvested Cherry CBB % Damage numbers? (Check your Mill receipts or Estate harvest records; do not estimate)

Saction	11	Program	Impact
SECTION			

Part 3. CBB Management Strategies Strategy 1. Sanitization

Three strategies are recommended to reduce CBB damage: sanitation, sampling/monitoring, and using insecticides. The following questions ask about your use of these strategies.

1.	After the 2018-19 harv	est season was con	npleted, what perc	ent of your harvest	ed trees were strip picke	d
	(all immature, ripe, over 90-100% Comment	□ 50-89%	□ 1-49%	□ 0%	stroyed)?	_
2.	After the 2018-19 harv	est season was cor	npleted, when did	you strip pick your	trees (all immature, ripe,	over-ripe and
	dried cherries (raisins)	were removed and	destroyed)? Chec	k all that apply.		
	☐ when 5-10% of h	narvest remained	□ a	fter harvest	□ after pruning	
	☐ Pre-season gree	n pinhead berries	□b	egin of harvest	☐ I don't strip pio	k my trees
	☐ Other (please sp	ecify)				
3.	What was the frequence	cy of your harvest i	n 2018-19 harvest	season?		
	☐ every 1-2 weeks	□ ev	ery 3-4 weeks		depended on labor availa	ability
	every 5-6 weeks	Comment				
Sec	tion II. Program Impac	t Part 3. CBB N	lanagement Stra	tegies Strategy	2: Sampling and Monit	toring
Hov	v you monitor CBB on y	your farm.				
1.	What method(s) did yo	ou use to monitor (CBB on your farm in	n the 2018-19 seaso	n? Select all that apply.	
	☐ 30 tree sampling	g method	☐ Observation	n 🗖	Trapping	
	☐ None		☐ Other (plea	se specify)		
	If you used a sampling 1 month after th 2 months after t 1 did not sample If you used a sampling Every 3 weeks. Every 4 weeks. Other (please sp	e first flowering he first flowering Ot method to monito	☐ 3 ☐ 4 her (please specify) r CBB, how often? ery 5 weeks. ery 6 weeks.	months after the firmonths after the firmonth	rst flowering eks.	not sample
4	If you used a sampling					
4.	☐ Very effective	· ·	mewhat effective		Not effective at all	
	☐ Fffective	□ 50	at very effective	_	Not circuive at all	
	☐ Effective ☐ Other (please sp	ecify)				
	tion II. Program Impac		rt 3. Managemer	-	Strategy 3. Sp	oraying
Spra	aying commercial <i>Beau</i>	ıveria bassiana aı	nd other insectici	des.		
1	Did you spray commer	cial insacticidas the	at contain <i>Requie</i> r	ia hassiana ?		
Τ.	☐ I use BotaniGard		☐ I use Mycot			
	☐ I use BotaniGard	-	☐ Tuse Mycot			
		ZZVVP	i i use iviycot	101 E30		
	☐ Other					
2.	When did you start spr	aying in the 2019-2	20 season?			
-	☐ January	☐ March	☐ May	□ July	☐ September	☐ November
	☐ February	☐ April	☐ June	☐ August	☐ October	☐ December
	☐ I spray year-rour	nd.	□ Comment _			

	☐ 1 to 2 ☐ ☐ Other (please specif						□ 9 ·	to 10
4.	How many weeks betweer 2 weeks 1 schedule the spray Comment	3 weeks based on a s	□ sampling r	4 weeks esults.	_		□ 6 	weeks
5.	How much BotaniGard® or ☐ less than 32 oz. per a ☐ less than 1 lb. per ac Comment	acre re		32 oz. pe 1 lb. per	r acre acre		□ m	ore than 32 oz. per acre ore than 1 lb. per acre
6.		educe the contractices for the contractices for the contraction of the	ost of Bota r CBB cont tation only	aniGard® rol Spray fev	or Mycotro	ol® were dis Spray less t er year	than 32 oz. p	and you had to pay full price, er acre
7.	7. How effective is spraying BotaniGard® or Mycotrol® for you? ☐ Very effective ☐ Somewhat effective ☐ Not effective at all ☐ Effective ☐ Not very effective ☐ Other (please specify)							
8.	If you tried other products	, how effect	ive were t	hey in co	ntrolling Cl	BB?		
		N/A - Did not try	Very effective	Effective	Somewhat effective	Not very effective	Not effective at all	
	Admire Pro						40	
	Pyronyl or Evergreen							
	BAM							
	Garlic Barrier							
	Kaolin clay							
	Movento							
	Pyganic							
	Surround WP							
	Other (please specify)							
Ca -1	ion II. Drogram Immart		Dort 4 F	avea Cast	a and Du-4	ii+o		
	tion II. Program Impact	et of CDD -			s and Prof			
	stions related to the impa		·		·		our farm? P	lease rate the following six

	N/A or no impact	1=Least impact	2	3	4	5	6=most impact
Hired labor (including to spray)							
Farmer/Operator labor							
Fertilizer (to offset CBB \$ loss)							
Insecticides							
Equipment							
Fuel and utilities							
Maintenance on trees and farm					·		
Contract farm/processing work							

	What % of your household						
3.	How much Revenue, Exper	Revenue	Expenses	Net Profit	(check 1 box per column)		
	less than \$1,000		Expenses	Nettrone	 		
	\$1,000 - \$9,999						
	\$10,000 - \$24,999						
	\$25,000 - \$49,000						
	\$50,000 - \$99,999						
	\$100,000 - \$249,999						
	\$250,000 or more						
	I prefer not to answer						
4.	costs by: (check all that ap ☐ Increasing coffee pri ☐ Increasing fertilizer ☐ Other (please specif	ice	☐ Planting coffee in ☐ Diversifying crops	S	as ☐ Keeping my CBB low —		
Sect	ion II. Program Impact	F	art 5. Farmers' Comme	nts			
1.	What other pests of coffee ☐ Black Twig Borer ☐ Little Fire Ant ☐ Cercospera ☐ Anthracnose	e are causing	concern? Check all that ap Coffee Root-knot Slugs and snails (Green Scale and Banana Moth	Nematode Rat Lung Worm)			
	☐ Mites		☐ Other (please spe	ecify)			
2.	2. Do you have observations on CBB control that you want to share?						
3.	What research do you wan	nt done about	the CBB problem or othe	r pests & diseases	of coffee?		

Thank you for participating and sharing your experience with CBB!