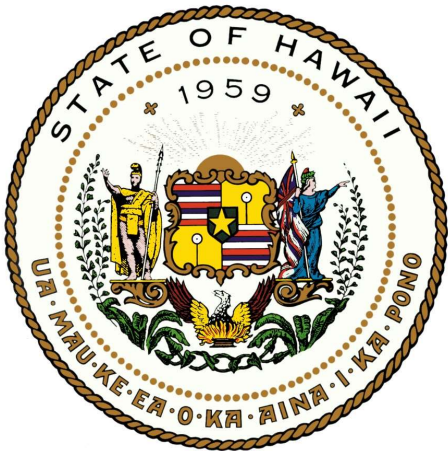


The Farmers' Experience: Managing CBB in 2017-18

Melanie Bondera

CBB Pesticide Subsidy Program

Hawai'i Department of Agriculture



CBB Pesticide Subsidy Program

- ▶ 50% back on Original Receipts for Botaniguard or Mycotrol annually
- ▶ Reimbursing July 1, 2016 - Jun 30, 2017 currently
- ▶ Fill out application online hdoa.hawaii.gov/pi/main/cbbsubsidy/ or take folder with paper application
- ▶ Need GET & federal tax#, Drivers License, TMK/Lease/Management Contract



MAHALO!!!

Farmers for taking the half hour to fill out this survey. This data assists our extension agents and researchers to refine their work on your behalf.



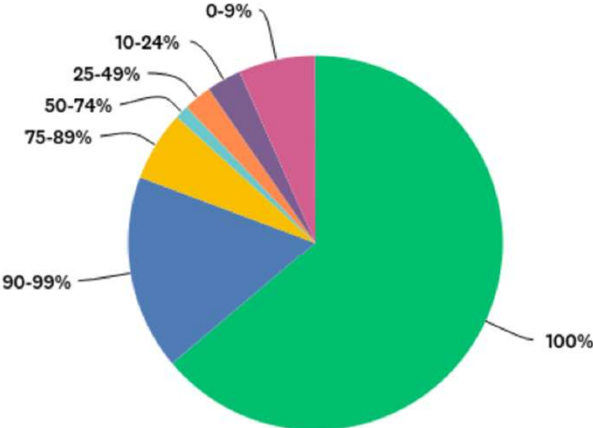
HDOA CBB Subsidy Program Survey Data

- ▶ Collected July 1, 2017 - March 31, 2018
- ▶ 175 Farmer Responses

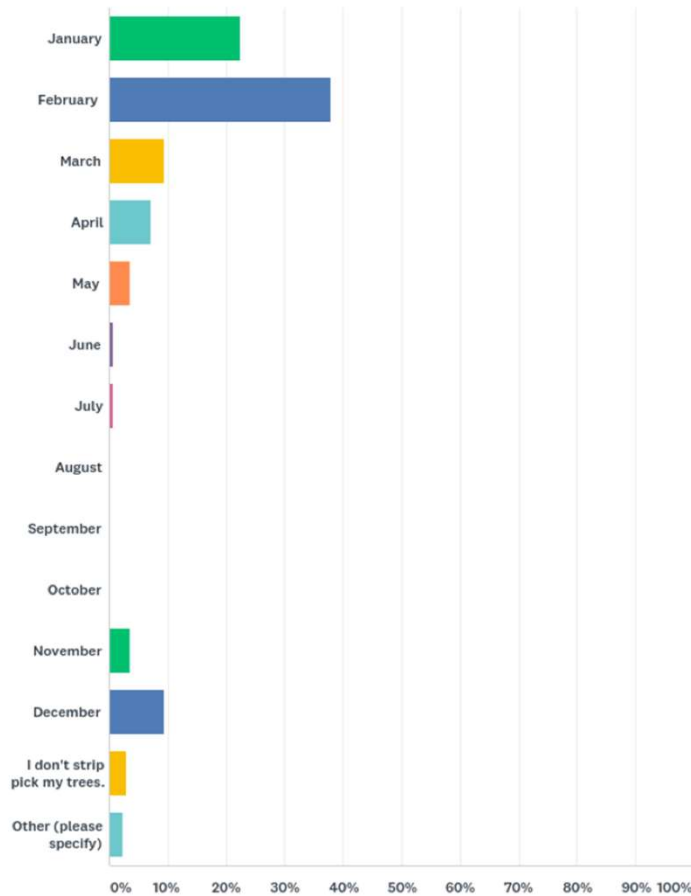


Percent of Trees Stripped

Q34 After the 2016-17 harvest season was completed, what percent of your harvested trees were strip picked; that is all immature, ripe, over-ripe and dried cherries (raisins) were removed from your trees and destroyed, even if you did not prune?



Q35 After the 2016-17 harvest season was completed, when did you finish strip picking your trees; that is all immature, ripe, over-ripe and dried cherries (raisins) were removed from your trees and destroyed, even if you did not prune?

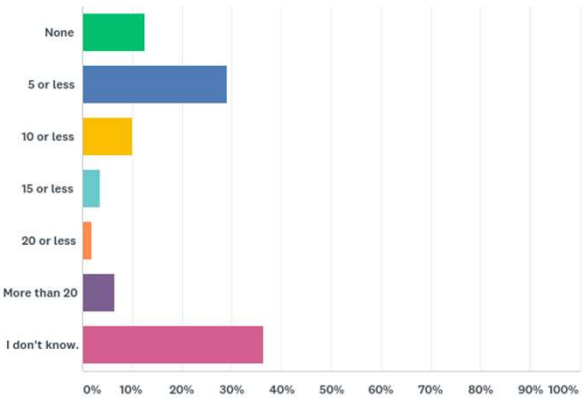


Month Strip Picking Completed

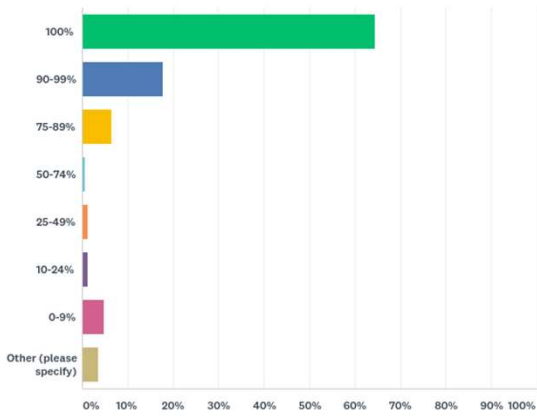


Raisins Remaining & Percent Trees Stripped

Q36 Can you estimate how many ripe, over ripe and dried cherries (raisins) remain on each tree after each picking this season? Select an answer.

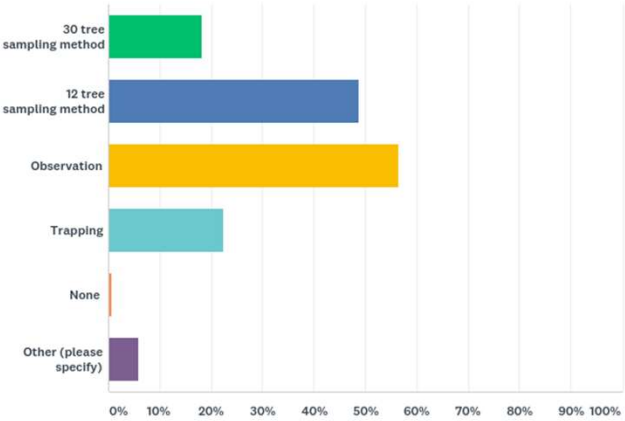


Q37 After this 2017-18 harvest season is completed, what percent of your harvested trees will you have strip picked - all immature, ripe, over-ripe and dried cherry (raisin) - removed from your trees and destroyed, even if you did not prune?

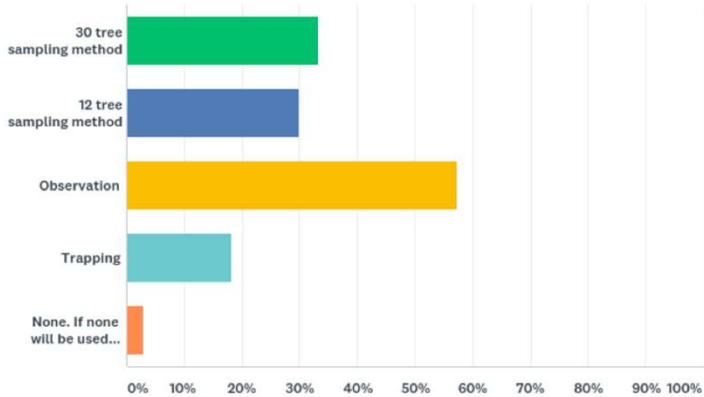


Preferred Monitoring Methods 2016/17 vs. 2017/18

Q38 What method(s) did you use to monitor CBB on your farm in the 2016-17 season? Select all that apply.

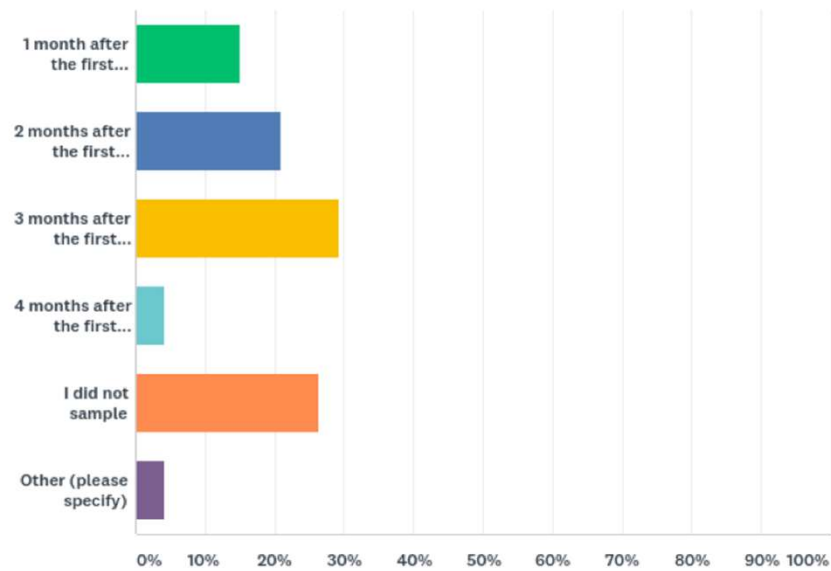


Q42 Which CBB monitoring method(s) will you use in the 2017-18 season?



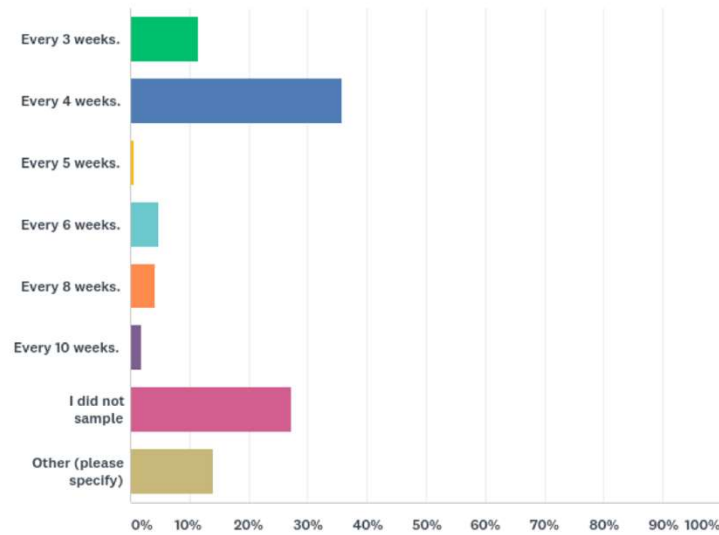
Initiate Monitoring

Q39 If you used a sampling method to monitor CBB, when did you start?

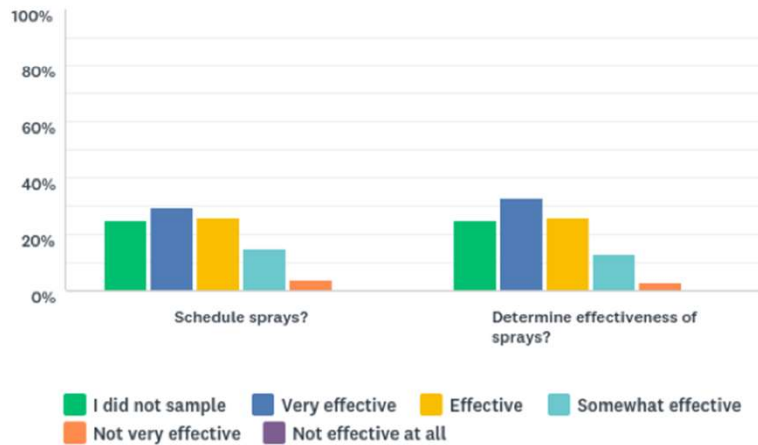


Monitoring Frequency & Effectiveness

Q40 If you used a sampling method to monitor CBB, how often?

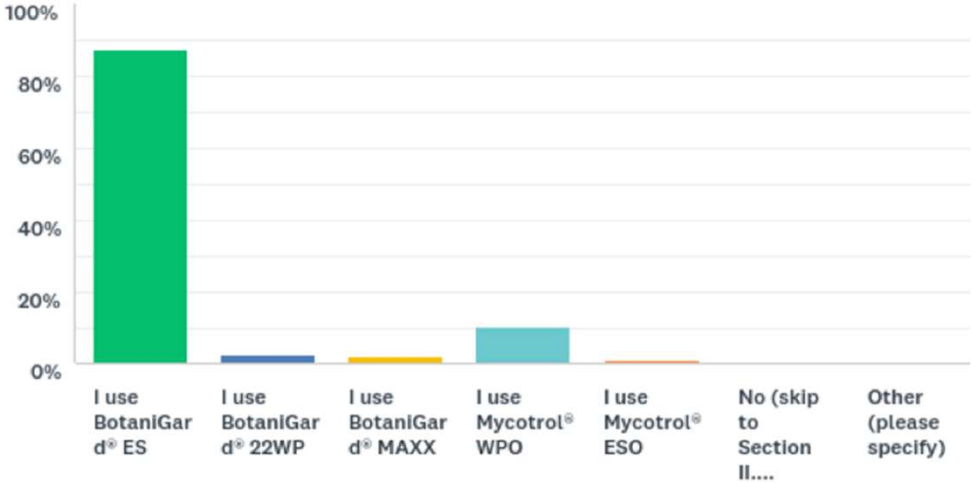


Q41 If you used a sampling method to monitor CBB, how well did sampling help you to:



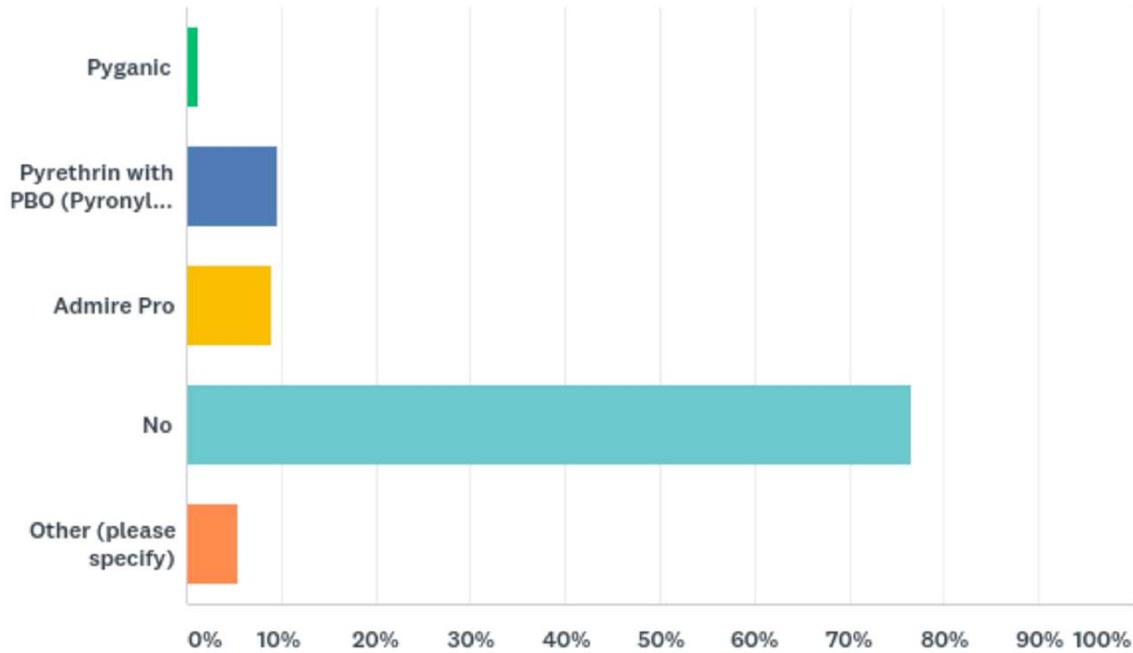
Beauveria bassiana Products

Q43 Did you spray commercial insecticides that contain Beauveria bassiana?



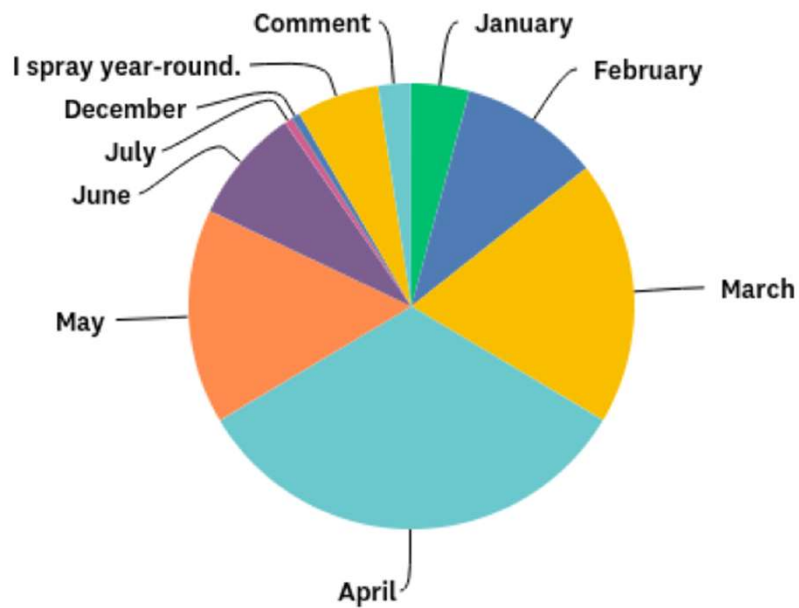
Additional Insecticides

Q44 Did you spray any additional commercial insecticides?

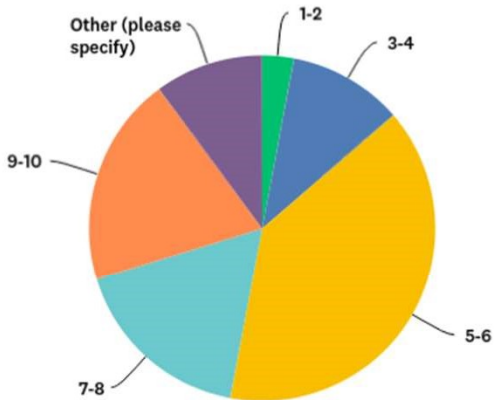


Start of Spraying

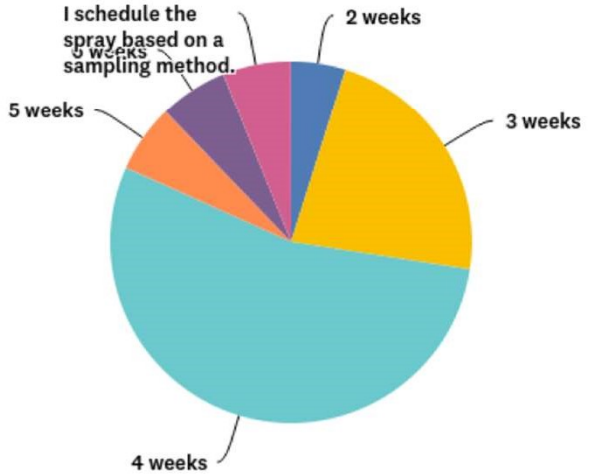
Q45 When did you start spraying in the 2017-18 season?



Q46 How many times do you think you will spray Beauveria bassiana in the 2017-18 season?



Q47 How many weeks between Beauveria bassiana sprays?

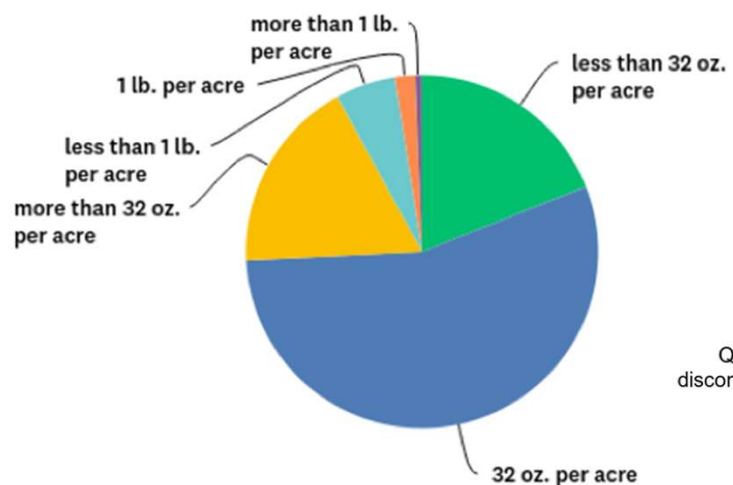


Spraying Frequency and Interval

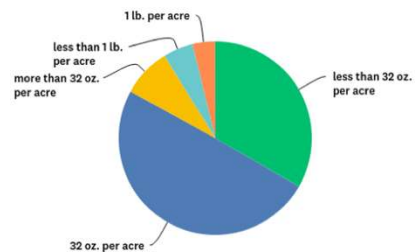


Product per Acre

Q48 How much BotaniGard® or Mycotrol® are you applying per acre (per application)?



Q50 If the current program(s) to reduce the cost of BotaniGard® or Mycotrol® were discontinued, and you had to pay the full price, how much would you use per acre each time you sprayed?



- Average: 40 gallons/acre (Water + Beauvaria) sprayed

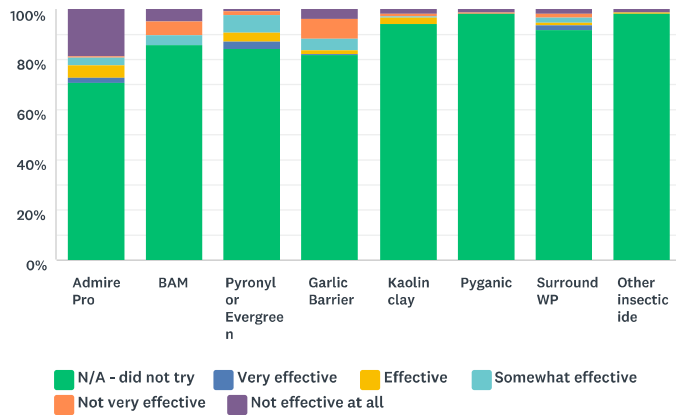


Department
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STATE OF HAWAII

Product Effectiveness

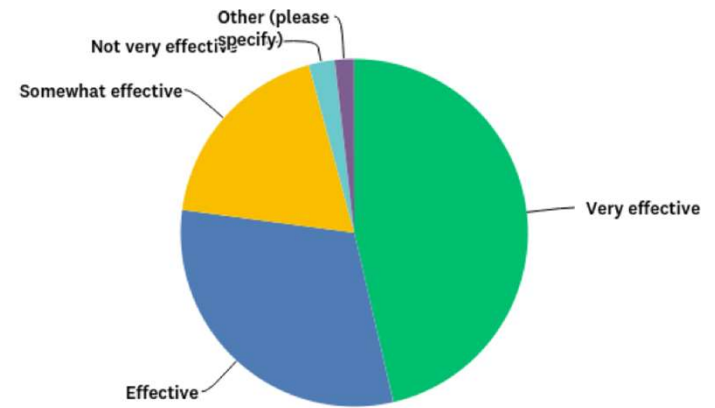
Q53 If you tried other products to manage CBB, were they helpful in controlling CBB?

Answered: 150 Skipped: 25



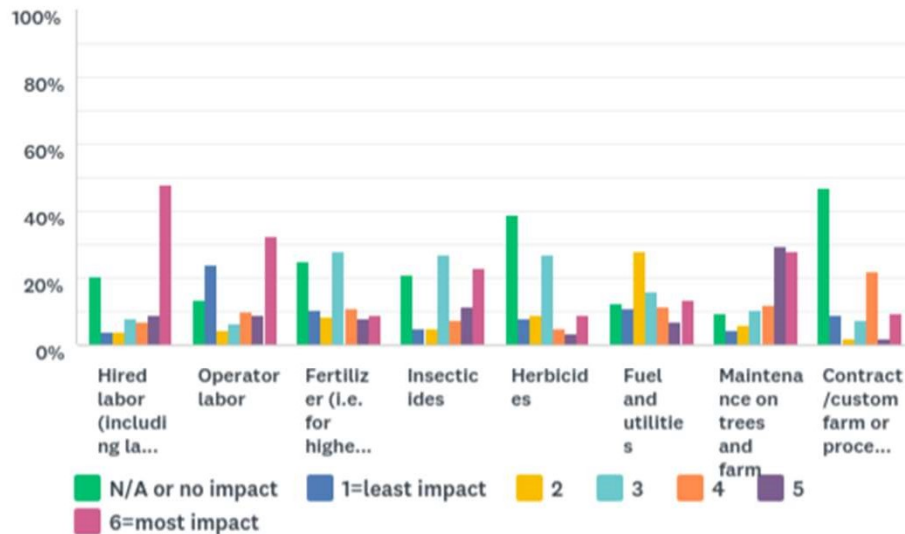
	N/A - DID NOT TRY	VERY EFFECTIVE	EFFECTIVE	SOMEWHAT EFFECTIVE	NOT VERY EFFECTIVE	NOT EFFECTIVE AT ALL	TOTAL	WEIGHTED AVERAGE
Admire Pro	70.92% 100	2.13% 3	4.96% 7	2.84% 4	0.71% 1	18.44% 26	141	0.29
BAM	86.13% 118	0.00% 0	0.00% 0	3.65% 5	5.84% 8	4.38% 6	137	0.36
Pyronyl or Evergreen	84.67% 116	2.92% 4	3.65% 5	6.57% 9	1.46% 2	0.73% 1	137	0.36
Garlic Barrier	81.88% 113	0.72% 1	1.45% 2	4.35% 6	7.97% 11	3.62% 5	138	0.50
Kaolin clay	94.70% 125	0.00% 0	2.27% 3	0.76% 1	0.76% 1	1.52% 2	132	0.10
Pyganic	98.48% 130	0.00% 0	0.00% 0	0.00% 0	0.76% 1	0.76% 1	132	0.03
Surround WP	91.85% 124	2.22% 3	0.74% 1	2.22% 3	1.48% 2	1.48% 2	135	0.17
Other insecticide	98.46% 128	0.00% 0	0.77% 1	0.00% 0	0.00% 0	0.77% 1	130	0.02

Q52 How effective is spraying BotaniGard® or Mycotrol® for you?



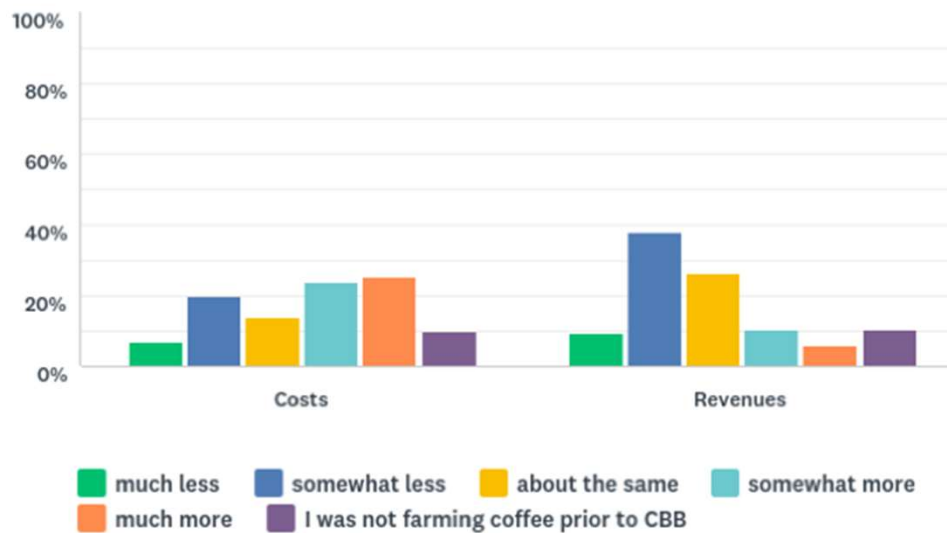
CBB Cost Shifts

Q54 How is CBB impacting your other farm costs compared to before CBB infested your farm? Please rate the following six cost categories, from 1= least cost increase due to CBB to 6 = most cost increase due to CBB.



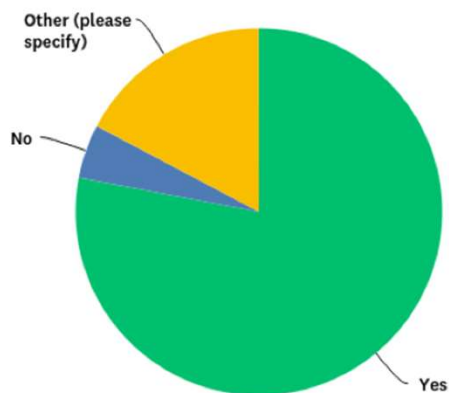
Before & After CBB

Q57 How did the costs and revenues in 2016-2017 compare to the year before CBB infested your farm? Select the choice that best represents your situation.

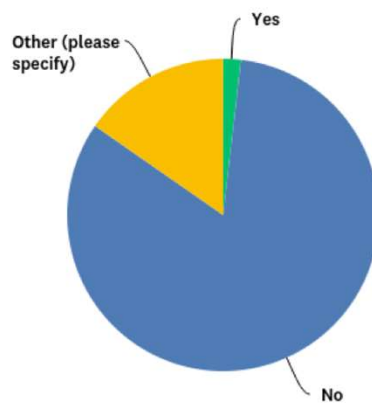


Continue Growing Coffee

Q51 If the current program(s) to reduce the cost of BotaniGard® or Mycotrol® were discontinued, and you had to pay the full price, would you continue to grow coffee?



Q61 Are you planning to stop growing coffee because of CBB?



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STATE OF HAWAII

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