Tally of CBB from Dissected Berries

A/B Alive:	A/B Absent:
A/B Dead:	C/D:
Total # of Dissected Berries =	

Calculations Used to Determine When to Spray

$$\text{\% infestation} = \frac{\text{Column B Total:}}{\text{Column A Total:}} \times 100 = \quad \square$$

$$\text{\% A/B alive} = \frac{\text{A/B Alive Tally:}}{\text{Dissected Berry Total:}} \times 100 = \quad \square$$

$$\text{\% C/D} = \frac{\text{C/D Tally:}}{\text{Dissected Berry Total:}} \times 100 = \quad \square$$

Table 1. Example of Percent Live CBB in the A/B Position for Spray Determination

% Infestation \ % AB Alive	0	1%	2%	3%	4%	5%	10%	15%	20%	25%	30%	35%	40%	45%	50%	55%	60%	65%	70%	75%
1%	0.01	0.02	0.03	0.04	0.05	0.1	0.15	0.2	0.25	0.3	0.35	0.4	0.45	0.5	0.55	0.6	0.65	0.7	0.75	
2%	0.02	0.04	0.06	0.08	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1	1.1	1.2	1.3	1.4	1.5	
3%	0.03	0.06	0.09	0.12	0.15	0.3	0.45	0.6	0.75	0.9	1.05	1.2	1.35	1.5	1.65	1.8	1.95	2.1	2.25	
4%	0.04	0.08	0.12	0.16	0.2	0.4	0.6	0.8	1	1.2	1.4	1.6	1.8	2	2.2	2.4	2.6	2.8	3	
5%	0.05	0.1	0.15	0.2	0.25	0.5	0.75	1	1.25	1.5	1.75	2	2.25	2.5	2.75	3	3.25	3.5	3.75	
10%	0.1	0.2	0.3	0.4	0.5	1	1.5	2	2.5	3	3.5	4	4.5	5	5.5	6	6.5	7	7.5	
15%	0.15	0.3	0.45	0.6	0.75	1.5	2.25	3	3.75	4.5	5.25	6	6.75	7.5	8.25	9	9.75	10.5	11.25	
20%	0.2	0.4	0.6	0.8	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
25%	0.25	0.5	0.75	1	1.25	2.5	3.75	5	6.25	7.5	8.75	10	11.25	12.5	13.75	15	16.25	17.5	18.75	
30%	0.3	0.6	0.9	1.2	1.5	3	4.5	6	7.5	9	10.5	12	13.5	15	16.5	18	19.5	21	22.5	
35%	0.35	0.7	1.05	1.4	1.75	3.5	5.25	7	8.75	10.5	12.25	14	15.75	17.5	19.25	21	22.75	24.5	26.25	
40%	0.4	0.8	1.2	1.6	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	
45%	0.45	0.9	1.35	1.8	2.25	4.5	6.75	9	11.3	13.5	15.75	18	20.25	22.5	24.75	27	29.25	31.5	33.75	
50%	0.5	1	1.5	2	2.5	5	7.5	10	12.5	15	17.5	20	22.5	25	27.5	30	32.5	35	37.5	

=0-0.99 – Spraying not recommended; will cost more than the expected value of coffee saved from CBB

=1-1.99-Consider spraying, especially early in the season

=2-4.99 – Especially early in the season, this is a critical level to start spraying to avoid economic loss.

=5-9.99 – You are starting to lose money due to CBB damage. Losses will be greater if you don't spray.

=10-19.99 – You are losing money due to CBB damage, but you may still want to spray.

=>20 – Processors may reject your harvest. The value of your harvest may not cover picking cost, so consider focusing on your next crop (i.e. strip pick, stump prune)