

BLACKBERRY AND RASPBERRY INSECT CONTROL—COMMERCIAL

Insect	Material and Formulation	Amount to Use Per Acre	Remarks/Precautions	Days to Harvest
LATE OCTOBER/EARLY NOVEMBER OR LATE MARCH (DORMANT)				
Raspberry Crown Borer	Capture 2 EC	6.4 fl oz	After egg hatch from late October to early November or late March, apply Capture or Brigade as a soil drench directed at the crown of plants in minimum of 50 gal water per acre prior to significant rainfall event. Do not exceed 12.8 fl oz (0.2 lb ai) per acre per season.	3
	Brigade 2 EC	6.4 fl oz		3
	Brigade WSB	16 oz		3
DELAYED DORMANT				
Rednecked Cane Borer			If less than 5% of canes have galls , then prune out galled canes, bury or otherwise destroy these infested canes to kill overwintering larvae.	
PREBLOOM				
Strawberry Clipper	Actara	3 oz	Begin checking for clipped buds when the first flower appears. If clipped buds are found, apply insecticide and repeat spray at 10-day intervals as long as bud clipping continues.	
Thrips	Aza-Direct	3.5 pt		0
	Malathion 5EC	3 pt		1
	Malathion 8F	1-4 pt		1
	Sevin 4F	1-2 qt		7
	Sevin 80S	1.25-2.5 lb		7
Spider Mites	Savey 50DF	4-6 oz	Applications of Sevin and pyrethroids can cause mite flare-ups. Road dust control can reduce mite buildup. Do not exceed 0.2 lb ai/A per season for Brigade or Capture.	3
	Brigade WSB	16 oz		3
	Capture 2EC	6.4 fl oz		3
	Aza-Direct	3.5 pt		4 hours
EARLY BLOOM THROUGH BLOOM	SAVE THE BEES!! DO NOT APPLY INSECTICIDES DURING BLOOM.			
POST-BLOOM TO HARVEST				
Rednecked Cane Borer	Admire Pro	10.5-14 fl oz	Do not apply pre-bloom or when bees are foraging. Do not exceed 14 fl oz per acre per season.	7
	Aza-Direct	3.5 pt		4 hours
Thrips	Admire Pro	10.5-14 fl oz	Do not apply pre-bloom or during bloom or when bees are foraging. Do not exceed 14 oz per acre per season.	7
Rednecked Cane Borer			Mid-June to late July, check for foliar feeding by Japanese beetle and spray weekly as needed, seven-day minimum interval between applications. Do not exceed 6 oz per acre per season. If leaf bronzing is occurring and mites are present, apply a foliar spray. Do not exceed 12.8 fl oz per acre per season.	
Japanese Beetle	Actara	3 oz		3
Stink Bugs	Admire 2F	24-32 oz		7
Spider Mites	Bifenthrin 2 EC	6.4 fl oz		3
	Brigade 2 EC	6.4 fl oz		3
	Capture 2 EC	6.4 fl oz	3	
Leafrollers	Deliver	0.25-1.5 lb	Deliver and Javelin are <i>Bt</i> formulations approved for organic production.	0
	Javelin WG	0.25-1.0 lb		0
Japanese Beetle	Sevin 4F	1-2 qt	Scout for insects before spraying.	7
Green June Beetle	Sevin 80S	2.5 lb		7
	Malathion 5EC	3 pt		1
	Malathion 8F	1-4 pt		1
RED IMPORTED FIRE ANTS (ALL FIRE ANT BAITS) – Apply when ants are active and soil temperature is above 60 degrees F. Do not treat if rain is anticipated within 6 hours.				
	S - Methoprene (Extinguish)	3-5 T/mound 1-1.5 lb/A	Mound-to-mound treatment rate. Broadcast rate. This product is an insect growth regulator (IGR). Apply 3 to 4 weeks prior to harvest date of production area being treated.	