

Summary Release Rate Table: Plantscapes

Pest	Biocontrol Agent	Rate(s)	Notes
Soft Scale	Harmonia	10/infested plant, weekly	Until established
	Hippodamia	10,000-30,000 per plantscape or per 0.5 ha, 2-3 weeks apart, 2-3 X	Repeat as needed
	Helvolus	5/m ² or 2-5/infested plant, weekly, X 3	
Armoured Scale	Rhyzobius	2/m ² or 2-5/infested plant, weekly, 2-3 X	Repeat as needed
	Aphytis	20-60/m ² of planted area, weekly or bi-weekly, X 4	Repeat as needed
Mealybugs	Cryptolaemus	2/m ² or 2-5/infested plant	
	Leptomastix	2 m ² or 5/infested plant	
Two-Spotted Spider Mites	Persimilis	2-10/m ² of planted area; or 20/damaged leaf; or 100/small plant, weekly	Continue until predators found on all infested leaves; repeat monthly as needed
	Fallacis Californicus	1-5/m ²	Release when pollen available on plants
Citrus Red Mite & Two-spotted	Fallacis	1/m ² , weekly or bi-weekly	until established in all infested areas
Thrips	Hypoaspis	1 L/100 m ² , once	
	Cucumeris	1 slow release bag/large plant, 6-8 weeks intervals; or 30-50 mites/plant, bi-weekly, X 2 if pollen present	If no pollen present, continue releasing >10 mites/plant, bi-weekly
	Orius	>500 adults/release; or 2,000-4,000/0.5 ha	Repeat until established
Aphids	Aphidius	0.1-3 Aphidius/m ² ; or 0.1-5/plant, weekly	As soon as first aphids detected; repeat until control evident
	Aphidoletes	>2000/hot spot, weekly, 2-3 X; or 1/m ² planted area, weekly or bi-weekly, 3-5 X	Repeat until established
	Harmonia, Hippodamia	As for scale, above	
Whiteflies	Encarsia	3/m ² planted area; or 1-5/plant, every 10-14 day, X 4	Continue until >80% whitefly parasitized
	Delphastus	100/hot spot; or 10/infested plant, weekly, 3-4 X	
Black Vine Weevil	Insect parasitic nematodes	Follow product instructions	Apply when larvae in soil, July onwards

Applied Bio-Nomics Ltd.