

## LIVING BENEFICIALS

# BIOLOGICAL

## COMMON PEST CONTROLS



### BENEFITS OF USING BIOLOGICAL CONTROL AGENTS AS PART OF A SUSTAINABLE HORTICULTURE PROGRAM

- + Zero Re-entry Interval
  - + Reduces the potential for air and ground water contamination
  - + Decreases workers exposure to pesticides
  - + Less wear and tear on spray equipment
  - + Less spray residue on plants
  - + Help prevent pesticide resistance
- (Making pesticides more effective when they are used)

### THE FLORIKAN QUICK LOOK-UP PROBLEM SOLVER

FOR CONTROL OF	PRODUCTS/CONTROLS	UOM	QTY	RECOMMENDED RATE	APPLICATION METHOD
Aphids	<i>Aphidius colemani</i> (parasitoid)	Vial	500 or 1000	0.1 – 5 per m <sup>2</sup>	Hand apply
	<i>Chrysoperla spp.</i> (Green lacewings)	Cards, Bottle	1,000 larva 5,000 eggs on cards 1,000 loose eggs	10 – 30 per m <sup>2</sup>	Hand apply
	Target Oil	Jug	2.5 gal.	1 gal. per 100 gal.	Spray
Caterpillars	<i>Bt, bacillus thuringiensis</i> (Beneficial bacteria)	Jug	TBD	See Florikan Rep	Spray
Fungus Gnats (sciarid flies)	<i>Steinernema feltiae</i> (Beneficial nematode)	Sponge & Pouch	5, 10, 25 mill / sponge 50, 100 mill / pouch	5 mill / 300 ft <sup>2</sup>	Spray or drench
Grubs and other soil insects	<i>Steinernema carpocapsae</i> (Beneficial nematode)	Sponge & Pouch	5, 10, 25 mill / sponge 50, 100 mill / pouch	5 mill / 300 ft <sup>2</sup>	Spray or drench
	<i>Heterorhabditis bacteriophora</i> (Beneficial nematode)	Sponge & Pouch	5, 10, 25 mill sponge 50, 100 mill pouch	5 mill / 300 ft <sup>2</sup>	Spray or drench
	<i>Heterorhabditis indica</i> (Beneficial nematode)	Sponge & Pouch	5, 10, 25 mill sponge 50, 100 mill pouch	5 mill / 300 ft <sup>2</sup>	Spray or drench
Lacebugs	<i>Chrysoperla spp.</i> (Green lacewing)	Cards, Bottle	1,000 larva 5,000 eggs on cards 1,000 loose eggs	10 – 30 per m <sup>2</sup>	Hand apply
	Target Oil	Jug	2.5 gal.	1 gal. per 100 gal.	Spray
Mealybugs	<i>Cryptolaemus montrouzieri</i> (Mealybug destroyer)	Tub	500	Check label for rate	Hand apply
	Target Oil	Jug	2.5 gal.	1 gal. per 100 gal.	Spray
Scale	Target Oil	Jug	2.5 gal.	1 gal. per 100 gal.	Spray
Spider Mites	<i>Phytoseiulus persimilis</i> (Predatory mite)	Vial, Bottle	2,000	10 – 20 m <sup>2</sup>	Hand apply
	<i>Amblyseius californicus</i> (Predatory mite)	Vial	2,000	10 – 20 m <sup>2</sup>	Hand apply
	<i>Amblyseius fallacis</i> (Predatory mite)	Vial	2,000	10 – 20 m <sup>2</sup>	Hand apply
	Target Oil	Jug	2.5 gal.	1 gal. per 100 gal.	Spray
Thrips	<i>Amblyseius swirskii</i> (Predatory mite)	Tube	25,000 125,000 100 gemini sachets	20 – 100 per m <sup>2</sup>	Hand apply
Whitefly	<i>Amblyseius swirskii</i> (Predatory mite)	Tube	25,000 125,000 100 gemini sachets	20 – 100 per m <sup>2</sup>	Hand apply
	Target oil	Jug	2.5 gal.	1 gal. per 100 gal.	Spray

\* Rates are dependant on crop and pest pressure. Please check with your Florikan Sales Rep for assistance.