

**FLOWERS AND FOLIAGE PLANTS
COMMERCIAL INTERIOR PLANTSCAPES INSECT CONTROL**

Note: People without proper application protective clothing must not enter treated area until plants are dry or as stipulated on the label. If possible, remove infested plants from living and eating areas prior to spray application. Place plants outdoors or in an area not likely to come in contact with people, pets, or food while spraying and while plants are wet. In most situations, plants can be returned to original location when they are dry. If plants cannot be removed, follow label precautions.

Insect or Mite	Insecticide and Formulation	Amount Per 100 Gallons of Water	Amount Per Gallon	Comments
Aphid	<i>Beauveria bassiana</i>			
	BotaniGard ES	0.5-1 lb	0.08-1.6 oz	
	Naturalis-O	30-100 fl oz	0.30-1.0 fl oz	
	clothianidin			Apply as a full coverage foliar spray or a drench. See label for drench rates. 12-hour restricted entry interval.
	Celero 16 WSG	2-4 oz		
	Arena 50 WDG	0.63-1.26 oz		
	cyfluthrin			Follow label directions.
	Decathlon	1.3-1.9 oz	1/4 tsp	
	flonicamid 50 WDG	1-6 packets		Repeat application every 7-28 days as necessary. 12-hour restricted entry interval.
	Aria 0.7 oz package	(0.7-4.3 oz)		
	fluvalinate			Follow label directions.
	Mavrik	4-10 oz	1/2-1 tsp	
	horticultural oil	1%-2%	1%-2%	Thorough coverage is necessary. Spray must contact pest to be effective.
	Sunspray Ultrafine			
	Saf-T-Side			
	Triact 90EC			
	imidacloprid			Per label directions.
	Merit 75WP			
	Merit 75WPS			
	Marathon II			
insecticidal soap			Thorough coverage is necessary. Spray must contact pest to be effective. Repeat spray 3 times at 5- to 7-day interval. Soap could make floor slippery.	
M-Pede	1%-2%	1%-2%		
pymetrozine			Follow label directions.	
Endeavor	2-5 oz	1/4-1/2 tsp		
pyriproxyfen			Follow label directions.	
Distance	6-8 fl oz	0.02 oz (0.6 mL)		
s-kinoprene			Follow label directions.	
Enstar II	6-10 oz	1/2 tsp		
spirotetramat			See label for drench instructions. 24-hour restricted entry interval.	
Kontos 2F	1.7 fl oz			
sumithrin	1-2 pt	1-2 tsp	Follow label directions.	
Caterpillars (leaf feeding)	chlorantraniliprole			Foliar application only. Follow label directions.
	Acelepryn	1.0-16.0 fl oz		
Clearwing Borers	chlorantraniliprole			Bark treatment application only. Follow label directions.
	Acelepryn	4.0-32.0 fl oz		

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Fungus Gnats	<i>Bacillus thuringiensis</i> Gnatrol	16-32 oz 64-128 oz	1-2 tsp 4-8 tsp	For light infestation. For heavy infestation, follow label directions.	
	cyromazine Citation 75% WP	2.66 oz	1/2 tsp	Follow label directions.	
	diflubenzuron Adept 25WSB	16-24 oz	0.04-0.08 (1-2 grams)	Follow label directions.	
	pyriproxyfen Distance	3-6 fl oz	0.02 (0.6 mL)	Follow label directions.	
	s-kinoprene Enstar II	6-10 oz	1/2 tsp	Follow label directions.	
	<i>Steinemema feltiae</i> Entonem NemaShield Nemasys Scan Mask			Follow label directions.	
	Lace Bug	chlorantraniliprole Acelepryn			Soil treatment only. Follow label directions.
		Leafminer (Birch leafminer)	chlorantraniliprole Acelepryn		Soil treatment only. Follow label directions.
Mealybug	<i>Beauveria bassiana</i> BotaniGard ES	0.5-1 lb	0.08-1.6 oz		
	clothianidin Celero 16 WSG Arena 50 WDG	3-4 oz 0.9-1.26 oz		Apply as a full coverage foliar spray or a drench. See label for drench rates. 12-hour restricted entry interval.	
	cyfluthrin Decathlon	1.3-1.9 oz	1/4 tsp	Follow label directions.	
	flonicamid 50 WDG Aria 0.7 oz package	1-6 packets (0.7-4.3 oz)		Repeat application every 7-28 days as necessary. 12-hour restricted entry interval.	
	horticultural oils Sunspray ultrafine Saf-T-Side Triact 90EC	1%-2%	1%-2%	Care must be taken because some plants are sensitive to oils. Thorough coverage is necessary, but do not over apply. Use fine spray.	
	imidacloprid Merit 75WP Merit 75 WSP Marathon II			Follow label directions.	

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Mealybug	insecticidal soap M-Pede	1%-2%	1%-2%	Thorough coverage is necessary. Spray must contact pests to be effective. Repeat spray 3 times at 10-to 14-day intervals. Soap could make floor slippery.
	pyrethrum PT 1600A Pyrenone	aerosol		Follow label directions.
	pyriproxyfen Distance	8-12 fl oz	0.02 (0.6 mL)	Follow label directions.
	s-kinoprene Enstar II	6-10 oz	1/2 tsp	Follow label directions.
	spirotetramat Kontos 2F	1.7 fl oz		See label for drench instructions. 24-hour restricted entry interval.
	sumithrin	1-2 pt	1-2 tsp	Follow label directions.
	Mites	<i>Beauveria bassiana</i> Naturalis-O	30-100 fl oz	0.30-1.0 fl oz
bifenazate Floramite		2-4 oz	1/4-1/2 tsp	Follow label directions.
dienochlor Pentac		1/2 pt	2/3 tsp	Thorough coverage is necessary. Avoid use of alkaline water in spray. Mix well before spraying. If necessary repeat spray in 5-7 days.
fenproximate Akari 5SC		16-24 oz	0.16-0.24 oz (4.527 ml)	Follow label directions.
fluvalinate Mavrik		4-10 oz	1/2-1 tsp	Follow label directions.
insecticidal soap M-Pede		1%-2%	1%-2%	Thorough coverage is necessary. Spray must contact pest to be effective. Repeat spray 3 times at 5- to 7-day intervals. Soap could make floor slippery.
pyrethrum PT 1600A Pyrenone		aerosol		Follow label directions.
sumithrin		1-2 pt	1-2 tsp	Follow label directions.
Scale		cyfluthrin Decathlon	1.3-1.9 oz	1/4 tsp
	horticultural oil Sunspray ultrafine Saf-T-Side Triact 90EC	1%-2%	1%-2%	Care must be taken because some plants are sensitive to oils. Thorough coverage is necessary, but do not over apply. Use fine spray.
	insecticidal soap M-Pede	1%-2%	1%-2%	Thorough coverage is necessary. Spray must contact pest to be effective. Soap could make floor slippery.
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Scale (cont.)	pyriproxyfen Distance	8-12 fl oz	0.02 oz (0.6 mL)	Follow label directions.
	spirotetramat Kontos 2F	1.7 fl oz		See label for drench instructions. 24-hour restricted entry interval.
Thrip	azadirachtin Azatin			Follow label directions.
	<i>Beauveria bassiana</i> BotaniGard ES	1-2 lb	1.6-3.2 oz	
	Naturalis-O	30-100 fl oz	0.30-1.0 fl oz	
	cyfluthrin Decathlon	1.3-1.9 oz	1/4 tsp	Follow label directions.
	flonicamid 50 WDG Aria 0.7 oz package	1-6 packets (0.7-4.3 oz.)		Repeat application every 7-28 days as necessary. 12-hour restricted entry interval.
	fluvalinate Mavrik	4-10 oz	1/2-1 tsp	
	insecticidal soap M-Pede	1%-2%	1%-2%	Thorough coverage is necessary. Spray must contact pest to be effective. Repeat spray 3 times at 5- to 7-day intervals. Soap could make floor slippery.
White Grubs	chlorantraniliprole Acelepryn	0.184-0.367 fl oz per 1,000 sq ft		Soil treatment only. Follow label directions.
Whitefly	azadirachtin Azatin			Follow label directions.
	<i>Beauveria bassiana</i> Botani Gard ES	0.5-1 lb	0.08-1.6 oz	
	Naturalis-O	30-100 fl oz	0.30-1.0 fl oz	
	clothianidin Celero 16 WSG	2-4 oz		Apply as a full coverage foliar spray or a drench. See label for drench rates. 12-hour restricted entry interval.
	Arena 50 WDG	0.9-1.26 oz		
	cyfluthrin Decathlon	1.3-1.9 oz	1/4 tsp	Follow label directions.
	diflubenzuron Adept 25WSB	16-24 oz	0.04-0.08 oz (1-2 grams)	Follow label directions.
flonicamid 50 WDG Aria 0.7 oz package	1-6 packets (0.7-4.3 oz)		Repeat application every 7-28 days as necessary. 12-hour restricted entry interval.	

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Whitefly	horticultural oils Sunspray ultrafine Saf-T-Side Triact 90EC	1%-2%	1%-2%	Care must be taken because some plants are sensitive to oils. Thorough coverage is necessary, but do not over apply. Use fine spray.
	imidacloprid Merit 75WP Merit 75WPS Marathon II			Follow label directions.
	insecticidal soap M-Pede	1%-2%	1%-2%	Thorough coverage is necessary. Spray must contact pest to be effective. Repeat spray 3 times at 5- to 7-day intervals. Soap could make floor slippery.
	pymetrozine Endeavor	2-5 oz	1/4-1/2 tsp	Follow label directions.
	pyrethrum PT 1600A Pyrenone	aerosol		Follow label directions.
	pyriproxyfen Distance	6-8 fl oz	0.02 oz (0.6 mL)	Follow label directions.
	s-kinoprene Enstar II	6-10 oz	1/2 tsp	Follow label directions.
	spirotetramat Kontos 2F	1.7 fl oz		See label for drench instructions. 24-hour restricted entry interval.
	sumithrin	1-2 pt	1-2 tsp	Follow label directions.