

# GREENHOUSE ORNAMENTAL INSECT AND RELATED PEST CONTROL

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Unless noted in the precautions and remarks column, the pesticide listed is labeled for any greenhouse flower or foliage plant. Read individual labels for any restrictions on use prior to application; labels do change. The abbreviation "NA" stands for not applicable; used when a column is not applicable for a product. Do not confuse volume rates (given in fluid ounces [fl oz]; 8 fl oz = 1 cup) with weight rates (given in avoirdupois ounces [oz]; 16 oz = 1 lb.). Other volume and weight abbreviations used include: Tablespoon (Tbsp), teaspoon (tsp), pint (pt), gallon (gal) and pound (lb). Do not equate 1 fl oz with 1 oz; many dry products such as wettable powders should be weighed out for precise concentrations. Aerosol product and vaporized product application rates are based on either greenhouse area (ft<sup>2</sup>) or greenhouse volume (ft<sup>3</sup>).

† Insecticide classifications: BO - botanical; CA - carbamate; CH - Chlorinated hydrocarbon; IGR - insect growth regulator; MI - microbial; OP - organophosphate; PY - pyrethroid.

Insecticide formulations: A - aerosol (includes compressed total release products and smoke generator products), AS - aqueous suspension; D - dust; DF - dry flowable; EC - emulsifiable concentrate; F - flowable; G - granular; L - water-soluble liquid; ME - microencapsulated; P - pelleted; SP - soluble powder; WG - water-dispersible granules; WP - wettable powder.

§ Signal word, human hazard description, and probable lethal dose for a 150-lb man, if swallowed: Caution - slightly dangerous, > 1 fl oz to a pint or > 1 oz to 1 lb; Warning - moderately toxic, > 1 tsp to 1 fl oz or 1 oz; D - Danger, highly toxic, a few drops to 1 tsp or < 1 oz.

Always read the label before using a pesticide because manufacturers may choose to increase the length of REI (interval between application and legal reentry).

Insect or Mite	Pesticide, Classification & Formulation†	Amount of Formulation per Gallon of Spray	Amount per 100 Gallons of Water	Anticipated Minimum Interval Between Application & Reentry & Signal Word§	Precautions and Remarks
Aphids	acephate - OP 75 SP (Orthene Turf, Tree & Ornamental)	1 to 2 tsp	1/3 to 2/3 lb	12 hr - Caution	Orthene 75 soluble powder is also available for use on tobacco. When spraying ornamental plants, be sure to use Orthene Tree, Turf & Ornamentals product. Apply total release aerosols using a rate of 1 lb per 1500 to 3000 ft <sup>2</sup> . Treat as late in the day as possible. Building should be vented before entry. Apply directed spray aerosol using a release rate of 5 to 10 seconds per 100 ft <sup>2</sup> .
	3 A (PT 1300 TR Orthene & PT 1300 DS Orthene)	NA - Aerosols	NA - Aerosols	24 hr - Warning	

Insect or Mite	Pesticide, Classification & Formulation†	Amount of Formulation per Gallon of Spray	Amount per 100 Gallons of Water	Anticipated Minimum Interval Between Application & Reentry & Signal Word‡	Precautions and Remarks	
Aphids, cont.	azadirachtin - BO					
	0.3 F (Margosan-O)	2 1/2 to 5 tsp	40 to 80 fl oz	12 hr - Caution		
	3 EC (Azatin EC)	1/2 tsp	8 fl oz	12 hr - Warning		
	bendiocarb - CA					
	76 WP (Dycarb, Ficam, Turcam)	1 Tbsp	12 to 20 oz	12 hr - Warning	Avoid excessive runoff. Labeled for chrysanthemums only.	
	bifenthrin - PY					
	10 WP (Talstar)	1 to 5 tsp	6.4 to 32 oz	12 hr - Warning	Apply aerosol using a rate of 1 lb per 1500 to 3000 ft <sup>2</sup> . Treat as late in the day as possible. Building should be vented before reentry.	
	7.9 F (Talstar)	1/2 to 2.4 tsp	2 to 10 fl oz	12 hr - Caution		
	0.5 A (PT 1800 Attain)	NA - Aerosol	NA - Aerosol	12 hr - Caution		
	chlorpyrifos - OP					
	50 WG (Pageant DF)	1 tsp	1/2 lb	12 hr - Warning		
	50 WP (Dursban WP)	1 to 2 tsp	1/2 to 1 lb	12 hr - Warning		
20 ME (PT 1325 DuraGuard)	1/2 to 1 Tbsp	1 1/2 to 3 pt	12 hr - Caution			
cyfluthrin - PY						
20 WP (Decathlon)	1/4 tsp	1.9 oz	12 hr - Warning			
d-phenothrin - PY						
25 EC (Sumithrin)	1 tsp	1 pt	12 hr - Caution			
diazinon - OP						
23 EC (Knox-Out)	1 to 2 Tbsp	3 to 6 pt	12 hr - Caution	Follow label directions	Diazinon should not be applied directly to open blooms; it is not labeled for use on poinsettias. PT 1500 is labeled for interior-scapes and hobby greenhouses. It is not labeled for commercial greenhouse use.	
0.5 A (PT 1500 Knox-Out)	NA - Aerosol	NA - Aerosol				
dichlorvos - OP						
5 A (Vapona)	NA - Smoke Generator	NA - Smoke Generator	4 hr after venting criteria have been satisfied-D	Dichlorvos may damage chrysanthemum varieties Shasta, Pink Champagne and Nightingale.		
endosulfan - CH						
24.2 EC (Thiodan)	2 tsp	2 pt	24 hr - Danger	Thiodan is phytotoxic to some varieties of geraniums and chrysanthemums.		
50 WP (Thiodan)	1 Tbsp	1 lb	24 hr - Danger			
5 A (Thiodan)	NA - Smoke Generator	NA - Smoke Generator	4 hr after venting criteria have been satisfied-D			

Insect or Mite	Pesticide, Classification & Formulation†	Amount of Formulation per Gallon of Spray	Amount per 100 Gallons of Water	Anticipated Minimum Interval Between Application & Reentry & Signal Word§	Precautions and Remarks
Leaf-miners, cont.	azadirachtin - BO				
	0.3 F (Margosan-O)	2 1/2 to 5 tsp	40 to 80 fl oz	12 hr - Caution	
	3 EC (Azatin EC)	1/2 tsp	8 fl oz	12 hr - Warning	
	bendiocarb - CA				
	76 WP (Dycarb, Ficam, Turcam)	7 tsp	42 oz	12 hr - Warning	Avoid excessive runoff. Labeled for azalea leafminer only.
	bifenthrin - PY				
	10 WP (Talstar)	1 to 5 tsp	6.4 to 32 oz	12 hr - Warning	See aphids section for comments.
	7.9 F (Talstar)	1/2 to 2.4 tsp	2 to 10 fl oz	12 hr - Caution	
	chlorpyrifos - OP				
	50 WG (Pageant DF)	1 tsp	1/2 lb	12 hr - Warning	
	50 WP (Dursban WP)	1 to 2 tsp	1/2 to 1 lb	12 hr - Warning	
	20 ME (PT 1325 DuraGuard)	1/2 to 1 Tbsp	1 1/2 to 3 pt	12 hr - Warning	
	cyromazine - IGR				
	75 WP (Citation)	---	2.66 oz	12 hr - Caution	Must wear protective clothing when harvesting. Labeled for chrysanthemum only.
diazinon - OP					
23 EC (Knox-Out)	1 to 2 Tbsp	3 to 6 pt	12 hr - Caution	See aphids section for comments.	
0.5 A (PT 1500 Knox-Out)	NA - Aerosol	NA - Aerosol	Follow label directions		
dichlorvos - OP					
5 A (Vapona)	NA - Smoke Generator	NA - Smoke Generator	4 hr after venting criteria have been satisfied-D	See aphids section for comments.	
malathion - OP					
25 WP (Malathion)	2 tsp	40 oz	12 hr - Caution	See aphids section for comments.	
57 EC (Malathion)	2 tsp	2 pt	12 hr - Caution		
oxamyl - CA					
24 L (Vydate L)	2 to 4 tsp	2 to 4 pt	24 hr - Danger	See aphids section for comments.	
10 G (Oxamyl)	NA - Granules	NA - Granules	24 hr - Danger		
permethrin - PY					
36.8 EC (Astro)	1/4 to 1/2 tsp	4 to 8 fl oz	24 hr - Warning	Pounce is labeled for use on roses only. Restricted Use Pesticide due to high toxicity to fish and aquatic organisms.	
25 WP (Pounce)	1 1/2 Tbsp	2 lb	24 hr - Warning		
Leaf rollers	acephate - OP				
	75 SP (Orthene Turf, Tree & Ornamental)	1 to 2 tsp	1/2 to 2/3 lb	12 hr - Caution	See aphids section for comments.
	3 A (PT 1300 TR Orthene & PT 1300 DS Orthene)	NA - Aerosol	NA - Aerosol	24 hr - Warning	

Insect or Mite	Pesticide, Classification & Formulation†	Amount of Formulation per Gallon of Spray	Amount per 100 Gallons of Water	Anticipated Minimum Interval Between Application & Reentry & Signal Word§	Precautions and Remarks
Aphids, cont.	methiocarb - CA 75 WP (Grandslam)	2 tsp	1 to 2 lb	12 hr - Warning	<p>Apply on steam pipes at rate of 1 oz per 10,000 ft<sup>3</sup> of greenhouse volume. Then heat pipes to 160°F. Naled will corrode pipes with continued use. Naled vapor treatment may injure 'White Butterfly' and 'Golden Rapture' roses, 'Pink Champagne' chrysanthemums, wandering jew, poinsettias and Dutchman's pipe.</p> <p>Nicotine sulfate will damage young chrysanthemums and lilies.</p> <p>Ornamental uses of Vydate L are being phased out. Apply 22 to 30 oz of Oxamyl granules per 1000 ft<sup>2</sup>. Equates into 1/8 tsp per 6" to 10" azalea-depth pot.</p> <p>Pyrethrins are not recommended for use directly on open blooms or on bracts showing color. Apply PT 1100 using a rate of 1 lb per 3000 ft<sup>2</sup>. Treat as late in the day as possible. Ventilate prior to reentry. PT 1600A X-clude is labeled for interior-scapes and hobby greenhouses. Apply PT 1600A using a release rate of 5 to 10 seconds per 100 ft<sup>2</sup>.</p>
	naled - OP 58 EC (Dibrom)	NA - Vaporized	NA - Vaporized	24 hr - Danger	
	nicotine sulfate-Other 40 EC (Nicotine Sulfate)	1 1/2 tsp	1 1/2 pt	24 hr - Danger	
	oxamyl - CA 24 L (Vydate L) 10 G (Oxamyl)	2 to 4 tsp NA - Granules	2 to 4 pt NA - Granules	24 hr - Danger 24 hr - Danger	
	permethrin - PY 36.8 EC (Astro)	1/4 to 1/2 tsp	4 to 8 fl oz	24 hr - Warning	
	pyrethrins - BO 0.5 A (PT 1100 Pyrethrum)	NA - Aerosol	NA - Aerosol	12 hr - Caution	
	0.3 A (PT 1600A X-clude)	NA - Aerosol	NA - Aerosol	See label - Caution	
	6 EC (Pyrenone)	1/8 to 1 1/2 tsp	2 to 12 fl oz	12 hr - Caution	

Insect or Mite	Pesticide, Classification & Formulation†	Amount of Formulation per Gallon of Spray	Amount per 100 Gallons of Water	Anticipated Minimum Interval Between Application & Reentry & Signal Word§	Precautions and Remarks
Aphids, cont.	resmethrin - PY 42.3 EC (Resmethrin) 1 A (PT 1200 TR Resmethrin & PT 1200 DS Resmethrin)	1 tsp NA - Aerosols	1 pt NA - Aerosols	12 hr - Warning 12 hr - Caution	Apply PT 1200 TR using a rate of 1 lb per 1500 to 3000 ft <sup>2</sup> . Treat as late in the day as possible. Ventilate prior to reentry. Apply PT 1200 DS using a release rate of 5 to 10 seconds per 100 ft <sup>2</sup> .
	soap - Other 49 EC (Insecticidal Soap, M-Pede)	2 1/2 fl oz	7 1/2 qt	12 hr - Caution	Do not apply more than two times consecutively; too frequent of applications can cause foliar discoloration.
	sulfotepp - OP 15 A (Dithio, Plantfume 103)	NA - Smoke Generators	NA - Smoke Generators	4 hr after venting criteria have been satisfied-D	Consult manufacturer's label for recommended rates.
Army-worms	acephate - OP 75 SP (Orthene Turf, Tree & Ornamental) 3 A (PT 1300 TR Orthene & PT 1300 DS Orthene)	1 to 2 tsp NA - Aerosol	1/3 to 2/3 lb NA - Aerosol	12 hr - Caution 24 hr - Warning	See aphids section for comments.
	azadirachtin - BO 0.3 F (Margosan-O) 3 EC (Azatin EC)	2 1/2 to 5 tsp 1/2 tsp	40 to 80 fl oz 8 fl oz	12 hr - Caution 12 hr - Warning	
	<i>Bacillus thuringiensis</i> - MI 3.2 AS (Dipel) 15 AS (Victory)	1 to 2 tsp 2 1/2 to 5 tsp	1 to 2 pt 40 to 80 fl oz	12 hr - Caution 12 hr - Caution	
	bifenthrin - PY 10 WP (Talstar) 7.9 F (Talstar) 0.5 A (PT 1800 Attain)	1 to 5 tsp 1/2 to 2/4 tsp NA - Aerosol	6.4 to 32 oz 2 to 10 fl oz NA - Aerosol	12 hr - Warning 12 hr - Caution 12 hr - Caution	See aphids section for comments.
	chlorpyrifos - OP 50 WG (Pageant DF) 50 WP (Dursban WP) 20 ME (PT 1325 DuraGuard)	1 tsp 1 to 2 tsp 1/2 to 1 Tbsp	1/2 lb 1/2 to 1 lb 1 1/2 to 3 pt	12 hr - Warning 12 hr - Warning 12 hr - Caution	
	cyfluthrin - OP 20 WP (Decathlon)	1/4 tsp	1.9 oz	12 hr - Warning	See aphids section for comments.

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Army-worms, cont.	diazinon - OP 23 EC (Knox-Out) 0.5 A (PT 1500 Knox-Out)	1 to 2 Tbsp NA - Aerosol	3 to 6 pt NA - Aerosol	12 hr - Caution Follow label directions.	See aphids section for comments.
	fluvalinate - PY 22.3 F (Mavrik)	1/8 to 5/8 tsp	2 to 10 fl oz	12 hr - Caution	See aphids section for comments.
	pyrethrins - BO 0.5 A (PT 1100 Pyrethrum)	NA - Aerosol	NA - Aerosol	12 hr - Caution	See aphids section for comments.
	0.3 A (PT 1600A X-clude)	NA - Aerosol	NA - Aerosol	See label-Caution	
	6 EC (Pyrenone)	1/8 to 1 1/2 tsp	2 to 12 fl oz	12 hr - Caution	
	resmethrin - PY 24.3 EC (Resmethrin)	1 tsp	1 pt	12 hr - Warning	See aphids section for comments.
	1 A (PT 1200 TR Resmethrin & PT 1200 DS Resmethrin)	NA - Aerosols	NA - Aerosols	12 hr - Caution	
Beet army-worm	chlorpyrifos - OP 20 ME (PT 1325 DuraGuard)	1/2 to 1 Tbsp	1 1/2 to 3 pt	12 hr - Caution	
	fenpropathrin - PY 30 EC (Tame)	2/3 tsp	10 2/3 fl oz	24 hr - Warning	See aphids section for comments.
	permethrin - PY 36.8 EC (Astro) 25 WP (Pounce)	1/4 to 1/2 tsp 1 1/2 Tbsp	4 to 8 fl oz 2 lb	24 hr - Warning 24 hr - Warning	Pounce is labeled for use on roses only. Restricted Use Pesticide due to high toxicity to fish & aquatic plants.
Broad mite	bifenthrin - PY 10 WP (Talstar)	1 to 5 tsp	6.4 to 32 oz	12 hr - Warning	See aphids section for comments.
	7.9 F (Talstar)	1/2 to 2.4 tsp	2 to 10 fl oz	12 hr - Caution	
	0.5 A (PT 1800 Attain)	NA - Aerosol	NA - Aerosol	12 hr - Caution	
	dienochlor - CH 50 WP (Pentac) 38 F (Pentac)	1 tsp 1/2 tsp	8 oz 8 fl oz	24 hr - Caution 24 hr - Warning	Repeat pentac applications in 5 to 14 days for effective control.
Brown soft scale	bendiocarb - CA 76 WP (Dycarb, Ficam, Turcam)	3/4 tsp	5 1/2 oz	12 hr - Warning	Avoid excessive runoff.
	bifenthrin - PY 10 WP (Talstar)	1 to 5 tsp	6.4 to 32 oz	12 hr - Warning	See aphids section for comments.
	7.9 F (Talstar) 0.5 A (PT 1800 Attain)	1/2 to 2.4 tsp NA - Aerosol	2 to 10 fl oz NA - Aerosol	12 hr - Caution 12 hr - Caution	

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Brown soft scale, cont.	sulfotepp - OP 15 A (Dithio, Plantfume 103)	NA - Smoke Generators	NA - Smoke Generators	4 hr after venting criteria have been satisfied-D	See aphids section for comments.
Cabbage looper	acephate - OP 75 SP (Orthene Turf, Tree & Ornamental)	1 to 2 tsp	1/3 to 2/3 lb	12 hr - Caution	See aphids section for comments.
	3 A (PT 1300 TR Orthene & PT 1300 DS Orthene)	NA - Aerosol	NA - Aerosol	24 hr - Warning	
	azadirachtin - BO 0.3 F (Margosan-O) 3 EC (Azatin EC)	2 1/2 to 5 tsp 1/2 tsp	40 to 80 fl oz 8 fl oz	12 hr - Caution 12 hr - Warning	
	<i>Bacillus thuringiensis</i> - MI 3.2 AS (Dipel) 15 AS (Victory)	1 to 2 tsp 2 1/2 to 5 tsp	1 to 2 pt 40 to 80 fl oz	12 hr - Caution 12 hr - Caution	
	chlorpyrifos - OP 50 WG (Pageant DF) 50 WP (Dursban WP) 20 ME (PT 1325 DuraGuard)	1 tsp 1 to 2 tsp 1/2 to 1 Tbsp	1/2 lb 1/2 to 1 lb 1 1/2 to 3 pt	12 hr - Warning 12 hr - Warning 12 hr - Caution	
	cyfluthrin - PY 20 WP (Decathlon)	1/4 tsp	1.9 oz	12 hr - Warning	
	diazinon - OP 23 EC (Knox-Out) 0.5 A (PT 1500 Knox-Out)	1 to 2 Tbsp NA - Aerosol	3 to 6 pt NA - Aerosol	12 hr - Caution Follow label direction	See aphids section for comments.
	dichlorvos - OP 5 A (Vapona)	NA - Smoke Generator	NA - Smoke Generator	4 hr after venting criteria have been satisfied-D	See aphids section for comments.
	fluvalinate - PY 22.3 F (Mavrik)	1/8 to 5/8 tsp	2 to 10 fl oz	12 hr - Caution	See aphids section for comments.
	naled - OP 58 EC (Dibrom)	NA - Vaporized	NA - Vaporized	24 hr - Danger	See aphids section for comments.
	permethrin - PY 36.8 EC (Astro) 25 WP (Pounce)	1/4 to 1/2 tsp 1 1/2 Tbsp	4 to 8 fl oz 2 lb	24 hr - Warning 24 hr - Warning	See aphids section for comments.
	pyrethrins - BO 0.5 A (PT 1100 Pyrethrum) 0.3 A (PT 1600 A X-clude) 6 EC (Pyrenone)	NA - Aerosol NA - Aerosol 1/8 to 1 1/2 tsp	NA - Aerosol NA - Aerosol 2 to 12 fl oz	12 hr - Caution See label - Caution 12 hr - Caution	See aphids section for comments.

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Cabbage looper, cont.	resmethrin - BO 24.3 EC Resmethrin)	1 tsp	1 pt	12 hr - Warning	See aphids section for comments.
	1 A (PT 1200 TR Resmethrin & PT 1200 DS Resmethrin)	NA - Aerosols	NA - Aerosols	12 hr - Caution	
Chrysanthemum gall midge	lindane - CH 25 WP (Lindane)	1 Tbsp	1 lb	12 hr - Warning	For use on chrysanthemums only. Weekly applications may be needed.
Crickets	chlorpyrifos - OP 20 ME (PT 1325 DuraGuard)	1/2 to 1 Tbsp	1 1/2 to 3 pt	12 hr - Caution	
	cyfluthrin - PY 20 WP (Decathlon)	1/4 tsp	1/9 oz	12 hr - Warning	
	pyrethrins - BO 0.5 A (PT 1100 Pyrethrum)	NA - Aerosol	NA - Aerosol	12 hr - Caution	See aphids section for comments.
	0.3 A (PT 1600A X-clude)	NA - Aerosol	NA - Aerosol	See label - Caution	
	6 EC (pyrenone)	1/8 to 1 1/2 tsp	2 to 12 fl oz	12 hr - Caution	
soap - Other 49 EC (Insecticidal Soap, M-Pede)	2 1/2 fl oz	7 1/2 at	12 hr - Caution	See aphids section for comments.	
Cucumber beetle	bifenthrin - PY 10 WP (Talstar)	1 to 5 tsp	6.4 to 32 oz	12 hr - Warning	See aphids section for comments.
	7.9 F (Talstar)	1/2 to 2.4 tsp	2 to 10 fl oz	12 hr - Caution	
	0.5 A (PT 1800 Attain)	NA - Aerosol	NA - Aerosol	12 hr - Caution	
	fluvalinate - PY 22.3 F (Mavrik)	1/8 to 5/8 tsp	2 to 10 fl oz	12 hr - Caution	See aphid section for comments.
	pyrethrins - BO 0.5 A (PT 1100 Pyrethrum)	NA - Aerosol	NA - Aerosol	12 hr - Caution	See aphid section for comments.
	0.3 A (PT 1600A X-clude)	NA - Aerosol	NA - Aerosol	See label - Caution	
	6 EC (pyrenone)	1/8 to 1 1/2 tsp	2 to 12 fl oz	12 hr - Caution	
	resmethrin - PY 24.3 EC Resmethrin)	1 tsp	1 pt	12 hr - Warning	See aphids section for comments.
1 A (PT 1200 TR Resmethrin & PT 1200 DS Resmethrin)	NA - Aerosols	NA - Aerosols	12 hr - Caution		



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Cutworms	acephate - OP 75 SP (Orthene Turf, Tree & Ornamental)	1 to 2 tsp	1/3 to 2/3 lb	12 hr - Caution	See aphids section for comments.
	3 A (PT 1300 TR Orthene & PT 1300 DS Orthene)	NA - Aerosol	NA - Aerosol	24 hr - Warning	
	azadirachtin - BO 0.3 F (Margosan-O)	2 1/2 to 5 tsp	40 to 80 fl oz	12 hr - Caution	
	3 EC (Azatin EC)	1/2 tsp	8 fl oz	12 hr - Warning	
	<i>Bacillus thuringiensis</i> - MI 3.2 AS (Dipel)	1 to 2 tsp	1 to 2 pt	12 hr - Caution	
	15 AS (Victory)	2 1/2 to 5 tsp	40 to 80 fl oz	12 hr - Caution	
	bifenthrin - PY 10 WP (Talstar)	1 to 5 tsp	6.4 to 32 oz	12 hr - Warning	See aphids section for comments.
	7.0 F (Talstar)	1/2 to 2.4 tsp	2 to 10 fl oz	12 hr - Caution	
	0.5 A (PT 1800 Attain)	NA - Aerosol	NA - Aerosol	12 hr - Caution	
	cyfluthrin - PY 20 WP (Decathlon)	1/4 tsp	1.9 oz	12 hr - Warning	
fluvalinate - PY 22.3 F (Mavrik)	1/8 to 5/8 tsp	2 to 10 fl oz	12 hr - Caution	See aphids section for comments.	
pyrethrins - BO	0.5 A (PT 1100 Pyrethrum)	NA - Aerosol	NA - Aerosol	12 hr - Caution	See aphids section for comments.
	0.3 A (PT 1600A X-clude)	NA - Aerosol	NA - Aerosol	See Label - Caution	
	6 EC (Pyrenone)	1/8 to 1 1/2 tsp	2 to 12 fl oz	12 hr - Caution	
Cyclamen mite	endosulfan - CH 24.2 (Thiodan)	2 tsp	2 pt	24 hr - Danger	See aphids section for comments.
	50 WP (Thiodan) 5 A (Thiodan)	1 tbsp NA - Smoke Generator	1 lb NA - Smoke Generator	24 hr - Danger 4 hr after venting criteria have been satisfied-D	
	Hot water (115°F)				Submerge infested plants for 15 minutes.
Earwigs	soap - Other 49 EC (Insecticidal Soap, M-Pede)	2 1/2 fl oz	7 1/2 qt	12 hr - Caution	See aphids section for comments.
Fungus gnats	azadirachtin - BO 0.3 F (Margosan-O)	2 1/2 to 5 tsp	40 to 80 fl oz	12 hr - Caution	Apply as a soil drench for control of larvae.
	3 EC (Azatin EC)	1/2 tsp	8 fl oz	12 hr - Warning	

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Fungus gnats, cont.	<i>Bacillus thuringiensis</i> H-14 - MI				
	6 AS (Gnatrol)	1 to 8 tsp	1 to 8 pt	12 hr - Caution	
	12 AS (Gnatrol)	1/2 to 4 tsp	1/2 to 4 pt	12 hr - Caution	
	bifenthrin - PY				See aphids section for comments.
	10 WP (Talstar)	1 to 5 tsp	6.4 to 32 oz	12 hr - Warning	
	7.9 F (Talstar)	1/2 to 2.4 tsp	2 to 10 fl oz	12 hr - Caution	
	0.5 A (PT 1800 Attain)	NA - Aerosol	NA - Aerosol	12 hr - Caution	
	chlorpyrifos - OP				
	20 ME (PT 1325 DuraGuard)	1/2 to 1 Tbsp	1 1/2 to 3 pt	12 hr - Caution	
	cyfluthrin - PY				
	20 WP (Decathlon)	1/4 tsp	1.9 oz	12 hr - Warning	
	diazinon - OP				See aphids section for comments.
	23 EC (Knox-Out)	1 to 2 Tbsp	3 to 6 pt	12 hr - Caution	
	0.5 A (PT 1500 Knox-Out)	NA - Aerosol	NA - Aerosol	Follow label directions	
	kinoprene - IGR				See aphids section for comments. Enstar & Enstar II are for larvae control only.
	72.5 EC (Enstar)	1/2 to 1 1/2 tsp	8 to 20 fl oz	12 hr - Caution	
	65.1 EC (Enstar II)	1/2 to 2/3 tsp	5 to 10 fl oz	12 hr - Caution	
	nematodes ( <i>steinernema carposapsae</i> ) - Other				Apply 1 gal per 10,000 ft <sup>2</sup> for larvae control. Make three applications, each 7 days apart for best results.
	17 AS (Exhibit)	---	---	12 hr - Caution	
	oxamyl - CA				See aphids section for comments.
	24 L (Vydate L)	2 to 4 tsp	2 to 4 pt	24 hr - Danger	
	10 G (Oxamyl)	NA - Granules	NA - Granules	24 hr - Danger	
	permethrin - PY				See aphids section for comments.
	36.8 EC (Astro)	1/4 to 1/2 tsp	4 to 8 fl oz	24 hr - Warning	
	pyrethrins - BO				See aphids section for comments.
	0.5 A (PT 1100 Pyrethrum)	NA - Aerosol	NA - Aerosol	12 hr - Caution	
	0.3 A (PT 1600A X-clude)	NA - Aerosol	NA - Aerosol	See label - Caution	
	6 EC (Pyrenone)	1/8 to 1 1/2 tsp	2 to 12 fl oz	12 hr - Caution	
	resmethrin - PY				See aphids section for comments.
	24.3 EC (Resmethrin)	1 tsp	1 pt	12 hr - Warning	
	1 A (PT 1200 TR Resmethrin & PT 1200 DS Resmethrin)	NA - Aerosols	NA - Aerosols	12 hr - Caution	

Insect or Mite	Pesticide, Classification & Formulation†	Amount of Formulation per Gallon of Spray	Amount per 100 Gallons of Water	Anticipated Minimum Interval Between Application & Reentry & Signal Word§	Precautions and Remarks
Hemispherical scale	bendiocarb - CA 76 WP (Dycarb, Ficam, Turcam)	3/4 tsp	5 1/2 oz	12 hr - Warning	Avoid excessive runoff.
	chlorpyrifos - OP 50 WG (Pageant DF)	1 tsp	1/2 lb	12 hr - Warning	
	50 WP (Dursban WP)	1 to 2 tsp	1/2 to 1 lb		
Leaf-hoppers	bifenthrin - PY 10 WP (Talstar)	1 to 5 tsp	6.4 to 32 oz	12 hr - Warning	See aphids section for comments.
	7.9 F (Talstar)	1/2 to 2.4 tsp	2 to 10 fl oz	12 hr - Caution	
	chlorpyrifos - OP 20 ME (PT 1325 DuraGuard)	1/2 to 1 Tbsp	1 1/2 to 3 pt	12 hr - Warning	
	cyfluthrin - PY 20 WP (Decathlon)	1/4 tsp	1.9 oz	12 hr - Warning	
	fenpropathrin - PY 30 EC (Tame)	1/3 to 2/3 tsp	5 1/3 to 10 2/3 fl oz	24 hr - Warning	See aphids section for comments.
	malathion - OP 25 WP (Malathion)	2 tsp	40 oz	12 hr - Caution	See aphids section for comments.
	57 EC (Malathion)	2 tsp	2 pt	12 hr - Caution	
	permethrin - PY 36.8 EC (Astro)	1/4 to 1/2 tsp	4 to 8 fl oz	24 hr - Warning	See aphids section for comments.
	pyrethrins - BO 0.5 A (PT 1100 Pyrethrum)	NA - Aerosol	NA - Aerosol	12 hr - Caution	See aphids section for comments.
	0.3 A (PT 1600A X-clude)	NA - Aerosol	NA - Aerosol	See label - Caution	
	6 EC (Pyrenone)	1/8 to 1 1/2 tsp	2 to 12 fl oz	12 hr - Caution	
	resmethrin - PY 24.3 EC (Resmethrin)	1 tsp	1 pt	12 hr - Warning	See aphids section for comments.
1 A (PT 1200 TR Resmethrin & PT 1200 DS Resmethrin)	NA - Aerosols	NA - Aerosols	12 hr - Caution		
Leaf-miners	abamectin B1 - Other 2 EC (Avid)	1/2 tsp	8 fl oz	12 hr - Caution	Do not use on ferns or conifers.
	acephate - OP 75 SP (Orthene Turf, Tree & Ornamental)	1 to 2 tsp	1/3 to 2/3 lb	12 hr - Caution	See aphids section for comments.
	3 A (PT 1300 TR Orthene & PT 1300 DS Orthene)	NA - Aerosol	NA - Aerosol	12 hr - Caution	

Insect or Mite	Pesticide, Classification & Formulation†	Amount of Formulation per Gallon of Spray	Amount per 100 Gallons of Water	Anticipated Minimum Interval Between Application & Reentry & Signal Word§	Precautions and Remarks
Leaf-miners, cont.	azadirachtin - BO				
	0.3 F (Margosan-O)	2 1/2 to 5 tsp	40 to 80 fl oz	12 hr - Caution	
	3 EC (Azatin EC)	1/2 tsp	8 fl oz	12 hr - Warning	
	bendiocarb - CA				
	76 WP (Dycarb, Ficam, Turcam)	7 tsp	42 oz	12 hr - Warning	Avoid excessive run-off. Labeled for azalea leafminer only.
	bifenthrin - PY				
	10 WP (Talstar)	1 to 5 tsp	6.4 to 32 oz	12 hr - Warning	See aphids section for comments.
	7.9 F (Talstar)	1/2 to 2.4 tsp	2 to 10 fl oz	12 hr - Caution	
	chlorpyrifos - OP				
	50 WG (Pageant DF)	1 tsp	1/2 lb	12 hr - Warning	
	50 WP (Dursban WP)	1 to 2 tsp	1/2 to 1 lb	12 hr - Warning	
	20 ME (PT 1325 DuraGuard)	1/2 to 1 Tbsp	1 1/2 to 3 pt	12 hr - Warning	
	cyromazine - IGR				
	75 WP (Citation)	---	2.66 oz	12 hr - Caution	Must wear protective clothing when harvesting. Labeled for chrysanthemum only.
diazinon - OP					
23 EC (Knox-Out)	1 to 2 Tbsp	3 to 6 pt	12 hr - Caution	See aphids section for comments.	
0.5 A (PT 1500 Knox-Out)	NA - Aerosol	NA - Aerosol	Follow label directions		
dichlorvos - OP					
5 A (Vapona)	NA - Smoke Generator	NA - Smoke Generator	4 hr after venting criteria have been satisfied-D	See aphids section for comments.	
malathion - OP					
25 WP (Malathion)	2 tsp	40 oz	12 hr - Caution	See aphids section for comments.	
57 EC (Malathion)	2 tsp	2 pt	12 hr - Caution		
oxamyl - CA					
24 L (Vydate L)	2 to 4 tsp	2 to 4 pt	24 hr - Danger	See aphids section for comments.	
10 G (Oxamyl)	NA - Granules	NA - Granules	24 hr - Danger		
permethrin - PY					
36.8 EC (Astro)	1/4 to 1/2 tsp	4 to 8 fl oz	24 hr - Warning	Pounce is labeled for use on roses only. Restricted Use Pesticide due to high toxicity to fish and aquatic organisms.	
25 WP (Pounce)	1 1/2 Tbsp	2 lb	24 hr - Warning		
Leaf rollers	acephate - OP				
	75 SP (Orthene Turf, Tree & Ornamental)	1 to 2 tsp	1/2 to 2/3 lb	12 hr - Caution	See aphids section for comments.
	3 A (PT 1300 TR Orthene & PT 1300 DS Orthene)	NA - Aerosol	NA - Aerosol	24 hr - Warning	

Insect or Mite	Pesticide, Classification & Formulation†	Amount of Formulation per Gallon of Spray	Amount per 100 Gallons of Water	Anticipated Minimum Interval Between Application & Reentry & Signal Word§	Precautions and Remarks	
Leaf rollers, cont.	azadirachtin - BO 0.3 F (Margosan-O) 3 EC (Azatin EC)	2 1/2 to 5 tsp 1/2 tsp	40 to 80 fl oz 8 fl oz	12 hr - Caution 12 hr - Warning		
	bifenthrin - PY 10 WP (Talstar) 7.9 F (Talstar) 0.5 A (PT 1800 Attain)	1 to 5 tsp 1/2 to 2.4 tsp NA - Aerosol	6.4 to 32 oz 2 to 10 fl oz NA - Aerosol	12 hr - Warning 12 hr - Caution 12 hr - Caution	See aphids section for comments. PT 1800 Attain labeled for omnivorous leaf rollers only.	
	cyfluthrin - PY 20 WP (Decathlon)	1/4 tsp	1.9 oz	12 hr - Warning		
	diazinon - OP 23 EC (Knox-Out) 0.5 A (PT 1500 Knox-Out)	1 to 2 Tbsp NA - Aerosol	3 to 6 pt NA - Aerosol	12 hr - Caution Follow label directions	See aphids section for comments.	
	naled - OP 58 EC (Dibrom)	NA - Vaporized	NA - Vaporized	24 hr - Danger	See aphids section for comments.	
	permethrin - PY 25 WP (Pounce)	1 1/2 Tbsp	2 lb	24 hr - Warning	See aphids section for comments. Labeled for omnivorous leaf roller only.	
	pyrethrins - BO 6 EC (Pyrenone)	1/8 to 1 1/2 tsp	2 to 12 fl oz	12 hr - Caution	See aphids section for comments.	
	resmethrin - PY 24.3 EC (Resmethrin) 1 A (PT 1200 TR Resmethrin & PT 1300 DS Resmethrin)	1 tsp NA - Aerosols	1 pt NA - Aerosols	12 hr - Warning 12 hr - Caution	See aphids section for comments.	
	Mealybugs	acephate - OP 75 SP (Orthene Turf, Tree & Ornamental) 3 A (PT 1300 TR Orthene & PT 1300 DS Orthene)	1 to 2 tsp NA - Aerosol	1/3 to 2/3 lb NA - Aerosol	12 hr - Caution 24 hr - Warning	See aphids section for comments.
		azadirachtin - BO 0.3 F (Margosan-O) 3 EC (Azatin EC)	2 1/2 to 5 tsp 1/2 tsp	40 to 80 fl oz 8 fl oz	12 hr - Caution 12 hr - Warning	
bendiocarb - C 76 WP (Dycarb, Ficam, Turcam)		3/4 tsp	5 1/2 oz	12 hr - Warning	Avoid excessive runoff.	
bifenthrin - PY 10 WP (Talstar) 7.9 F (Talstar) 0.5 A (PT 1800 Attain)		1 to 5 tsp 1/2 to 2/4 tsp NA - Aerosol	6.4 to 32 oz 2 to 10 fl oz NA - Aerosol	12 hr - Warning 12 hr - Caution 12 hr - Caution	See aphids section for comments.	

Insect or Mite	Pesticide, Classification & Formulation†	Amount of Formulation per Gallon of Spray	Amount per 100 Gallons of Water	Anticipated Minimum Interval Between Application & Reentry & Signal Word§	Precautions and Remarks
Mealy- bugs, cont.	chlorpyrifos - OP				
	50 WG (Pageant DF)	1 tsp	1/2 lb	12 hr - Warning	
	50 WP (Dursban WP)	1 to 2 tsp	1/2 to 1 lb	12 hr - Warning	
	20 ME (PT 1325 DuraGuard)	1/2 to 1 Tbsp	1 1/2 to 3 pt	12 hr - Caution	
	cyfluthrin - PY				
	20 WP (Decathlon)	1/4 tsp	1.9 oz	12 hr - Warning	
	d-phenothrin - PY				
	25 EC (Sumithrin)	1 tsp	1 pt	12 hr - Caution	
	diazinon - OP				
	23 EC (Knox-Out)	1 to 2 Tbsp	3 to 6 pt	12 hr - Caution	See aphids section for comments.
	0.5 A (PT 1500 Knox-Out)	NA - Aerosol	NA - Aerosol	Follow label directions	
	dichlorvos - OP				
	5 A (Vapona)	NA - Smoke Generator	NA - Smoke Generator	4 hr after venting criteria have been satisfied-D	See aphids section for comments.
	fenpropathrin - PY				
	30 EC (Tame)	2/3 tsp	10 2/3 fl oz	24 hr - Warning	See aphids section for comments.
	fluvalinate - PY				
	22.3 F (Mavrik)	1/8 to 5/8 tsp	2 to 10 fl oz	12 hr - Caution	See aphids section for comments.
	horticultural oil - Other				
	98.8 EC (Ultra Fine, Sun Spray)	2 1/2 to 5 Tbsp	1 to 2 gal	12 hr - Caution	See aphids section for comments.
	imidacloprid - Other				
1 G (Marathon)	NA - Granular	NA - Granular	12 hr - Caution	See aphids section for comments.	
kinoprene - IGR					
72.5 EC (Enstar)	1/2 to 1 1/2 tsp	8 to 20 fl oz	12 hr - Caution	See aphids section for comments.	
65.1 EC (Enstar II)	1/2 to 2/3 tsp	5 to 10 fl oz	12 hr - Caution		
malathion - OP					
25 WP (Malathion)	2 tsp	40 oz	12 hr - Caution	See aphids section for comments.	
57 EC (Malathion)	2 tsp	2 pt	12 hr - Caution		
naled - OP					
58 EC (Dibrom)	NA - Vaporized	NA - Vaporized	24 hr - Danger	See aphids section for comments.	
oxamyl - C					
24 L (Vydate L)	2 to 4 tsp	2 to 4 pt	24 hr - Danger	See aphids section for comments.	
10 G (Oxamyl)	NA - Granules	NA - Granules	24 hr - Danger		
permethrin - PY					
36.8 EC (Astro)	1/4 to 1/2 tsp	4 to 8 fl oz	24 hr - Warning	Pounce is labeled for use on roses only. Restricted Use Pesticide due to high toxicity for fish and aquatic organisms.	
25 WP (Pounce)	1 1/2 Tbsp	2 lb	24 hr - Warning		

Insect or Mite	Pesticide, Classification & Formulation†	Amount of Formulation per Gallon of Spray	Amount per 100 Gallons of Water	Anticipated Minimum Interval Between Application & Reentry & Signal Word§	Precautions and Remarks
Mealy- bugs, cont.	pyrethrins - BO 0.5 A (PT 1100 Pyrethrum)	NA - Aerosol	NA - Aerosol	12 hr - Caution	See aphids section for comments.
	0.3 A (PT 1600A X-clude)	NA - Aerosol	NA - Aerosol	See label - Caution	
	6 EC (Pyrenone)	1/8 to 1 1/2 tsp	2 to 12 fl oz	12 hr - Caution	
	resmethrin - PY 24.3 EC (Resmethrin)	1 tsp	1 pt	12 hr - Warning	See aphids section for comments.
	1 A (PT 1200 TR Resmethrin & PT 1200 DS Resmethrin)	NA - Aerosols	NA - Aerosols	12 hr - Caution	
Millipedes	soap - Other 49 EC (Insecticidal Soap, M-Pede)	2 1/2 fl oz	7 1/2 qt	12 hr - Caution	See aphids section for comments.
	sulfotepp - OP 15 A (Dithio, Plantfume 103)	NA - Smoke Generators	NA - Smoke Generators	4 hr after venting criteria have been satisfied-D	Consult manufactur- er's label for recom- mended rates.
Mites	malathion - OP 25 WP (Malathion) 57 EC (Malathion)	2 tsp 2 tsp	40 oz 2 pt	12 hr - Caution 12 hr - Caution	See aphids section for comments.
	diazinon - OP 23 EC (Knox-Out)	1 to 2 Tbsp	3 to 6 pt	12 hr - Caution	See aphids section for comments.
	fluvalinate - PY 22.3 F (Mavrik)	1/8 to 5/8 tsp	2 to 10 fl oz	12 hr - Caution	See aphids section for comments.
Plant bugs	methiocarb - C 75 WP (Grandslam)	2 tsp	1 to 2 lb	12 hr - Warning	
	bifenthrin - PY 10 WP (Talstar) 7.9 F (Talstar) 0.5 A (PT 1800 Attain)	1 to 5 tsp 1/2 to 2.4 tsp NA - Aerosol	6.4 to 32 oz 2 to 10 fl oz NA - Aerosol	12 hr - Warning 12 hr - Caution 12 hr - Caution	See aphids section for comments.
	cyfluthrin - PY 20 WP (Decathlon)	1/4 tsp	1.9 oz	12 hr - Warning	
	fluvalinate - PY 22.3 F (Mavrik)	1/8 to 5/8 tsp	2 to 10 fl oz	12 hr - Caution	See aphids section for comments.
	resmethrin - PY 24.3 EC (Resmethrin)	1 tsp	1 pt	12 hr - Warning	See aphids section for comments.
	1 A (PT 1200 TR Resmethrin & PT 1200 DS Resmethrin)	NA - Aerosols	NA - Aerosols	12 hr - Caution	

Insect or Mite	Pesticide, Classification & Formulation†	Amount of Formulation per Gallon of Spray	Amount per 100 Gallons of Water	Anticipated Minimum Interval Between Application & Reentry & Signal Word§	Precautions and Remarks	
Plant bugs, cont.	endosulfan - CH				See aphids section for comments.	
	24.2 EC (Thiodan)	2 tsp	2 pt	24 hr - Danger		
	50 WP (Thiodan)	1 Tbsp	1 lb	24 hr - Danger		
	pyrethrins - BO				See aphids section for comments.	
	0.5 A (PT 1100 Pyrethrum)	NA - Aerosol	NA - Aerosol	12 hr - Caution		
	0.3 A (PT 1600A A-clude)	NA - Aerosol	NA - Aerosol	See label - Caution		
Scale insects	acephate - OP				See aphids section for comments.	
	75 SP (Orthene Turf, Tree & Ornaments)	1 to 2 tsp	1/3 to 2/3 lb	12 hr - Caution		
	3 A (PT 1300 TR Orthene & PT 1300 DS Orthene)	NA - Aerosol	NA - Aerosol	24 hr - Warning		
	azadirachtin - BO	0.3 F (Margosan-O)	2 1/2 to 5 tsp	40 to 80 fl oz	12 hr - Caution	
		3 EC (Azatin EC)	1/2 tsp	8 fl oz	12 hr - Warning	
	bifenthrin - PY	10 WP (Talstar)	1 to 5 tsp	6.4 to 32 oz	12 hr - Warning	See aphids section for comments.
		7.9 F (Talstar)	1/2 to 2.4 tsp	2 to 10 fl oz	12 hr - Caution	
		0.5 A (PT 1800 Attain)	NA - Aerosol	NA - Aerosol	12 hr - Caution	
	cyfluthrin - PY	20 WP (Decathlon)	1/4 tsp	1.9 oz	12 hr - Warning	
		diazinon - OP				See aphids section for comments.
	23 EC (Knox-Out)	1 to 2 Tbsp	3 to 6 pt	12 hr - Caution		
	0.5 A (PT 1500 Knox-Out)	NA - Aerosol	NA - Aerosol	Follow label directions.		
	fenoxycarb - IGR	0.6 A (PT 2100 Preclude)	NA - Aerosol	NA - Aerosol	12 hr - Caution	See aphids section for comments.
		horticultural oil-Other				See aphids section for comments.
	98.8 EC (Ultra Fine, Sun Spray)	2 1/2 to 5 Tbsp	1 to 2 gal	12 hr - Caution		
kinoprene - IGR	72.5 EC (Enstar)	1/2 to 1 1/2 tsp	8 to 20 fl oz	12 hr - Caution	See aphids section for comments.	
	65.1 EC (Enstar II)	1/2 to 2/3 tsp	5 to 10 fl oz	12 hr - Caution		
oxamyl - C	24 L (Vydate L)	2 to 4 tsp	2 to 4 pt	24 hr - Danger	See aphids section for comments.	
	10 G (Oxamyl)	NA - Granules	NA - Granules	24 hr - Danger		
pyrethrins - BO	0.5 A (PT 1100 Pyrethrum)	NA - Aerosol	NA - Aerosol	12 hr - Caution	See aphids section for comments.	
	0.3 A (PT 1600A X-clude)	NA - Aerosol	NA - Aerosol	See label - Caution		



Insect or Mite	Pesticide, Classification & Formulation†	Amount of Formulation per Gallon of Spray	Amount per 100 Gallons of Water	Anticipated Minimum Interval Between Application & Reentry & Signal Word§	Precautions and Remarks
Scale insects, cont.	soap - Other 49 EC (Insecticidal Soap, M-Pede)	2 1/2 fl oz	7 1/2 qt	12 hr - Caution	See aphids section for comments.
Slugs & snails	metoldehyde - Other 4 P (Deadline Bullets and Granules)	NA - Pelleted bait	NA - Pelleted bait	12 hr - Warning	More than one application usually necessary. Follow label directions for application rates.
	5 P (Snarol)	NA - Pelleted bait	NA - Pelleted bait	12 hr - Warning	
	methiocarb - C 75 WP (Grandslam)	2 tsp	1 to 2 lb	12 hr - Warning	
Sowbugs	cyfluthrin - PY 20 WP (Decathlon)	1/4 tsp	1.9 oz	12 hr - Warning	
	lindane - CH 25 WP (Lindane)	1 Tbsp	1 lb	12 hr - Warning	
	malathion - OP 25 WP (Malathion) 57 EC (Malathion)	2 tsp 2 tsp	40 oz 2 pt	12 hr - Caution 12 hr - Caution	See aphids section for comments.
Spider mites	abamectin B1 - Other 2 EC (Avid)	1/4 tsp	4 fl oz	12 hr - Caution	Do not use on conifers.
	acephate - OP 75 SP (Orthene Turf, Tree & Ornamental)	1 to 2 tsp	1/3 to 2/3 lb	12 hr - Caution	See aphids section for comments.
	3 A (PT 1300 TR Orthene & PT 1300 DS Orthene)	NA - Aerosol	NA - Aerosol	24 hr - Warning	
	bifenthrin - PY 10 WP (Talstar) 7.9 F (Talstar) 0.5 A (PT 1800 Attain)	1 to 5 tsp 1/2 to 2.4 tsp NA - Aerosol	6.4 to 32 oz 2 to 10 fl oz NA - Aerosol	12 hr - Warning 12 hr - Caution 12 hr - Caution	See aphids section for comments.
	chlorpyrifos - OP 20 ME (PT 1325 DuraGuard)	1/2 to 1 Tbsp	1 1/2 to 3 pt	12 hr - Warning	
	diazinon - OP 0.5 A (PT 1500 Knox-Out)	NA - Aerosol	NA - Aerosol	Follow label directions.	See aphids section for comments.
	dichlorvos - OP 5 A (Vapona)	NA - Smoke Generator	NA - Smoke Generator	4 hr after venting criteria have been satisfied-D	See aphids section for comments.
	dienochlor - CH 50 WP (Pentac) 38 F (Pentac)	1 tsp 1/2 tsp	8 oz 8 fl oz	24 hr - Caution 24 hr - Warning	Repeat pentac applications in 5 to 14 days for effective control.

Insect or Mite	Pesticide, Classification & Formulation†	Amount of Formulation per Gallon of Spray	Amount per 100 Gallons of Water	Anticipated Minimum Interval Between Application & Reentry & Signal Word§	Precautions and Remarks
Spider mites, cont.	fluvalinate - PY 22.3 F (Mavrik)	1/8 to 5/8 tsp	2 to 10 fl oz	12 hr - Caution	See aphids section for comments.
	horticultural oil-Other 98.8 EC (Ultra Fine, Sun Spray)	2 1/2 to 5 Tbsp	1 to 2 gal	12 hr - Caution	See aphids section for comments.
	naled - OP 58 EC (Dibrom)	NA - Vaporized	NA - Vaporized	24 hr - Danger	See aphids section for comments.
	oxamyl - C 24 L (Vydate L) 10 G (Oxamyl)	2 to 4 tsp NA - Granules	2 to 4 pt NA - Granules	24 hr - Danger 24 hr - Danger	See aphids section for comments.
	soap - Other 49 EC (Insecticidal Soap, M-Pede)	2 1/2 fl oz	7 1/2 qt	12 hr - Caution	See aphids section for comments.
	pyrethrins - BO 0.5 A (PT 1100 Pyrethrum) 0.3 A (PT 1600A X-clude)	NA - Aerosol NA - Aerosol	NA - Aerosol NA - Aerosol	12 hr - Caution See label - Caution	See aphids section for comments.
	sulfotepp - OP 15 A (Dithio, Plantfume 103)	NA - Smoke Generators	NA - Smoke Generators	4 hr after venting criteria have been satisfied-D	Consult manufacturer's label for recommended rates.
Spittlebugs	cyfluthrin - PY 20 WP (Decathlon)	1/4 tsp	1 1/2 fl oz 1.9 oz	12 hr - Warning 12 hr - Warning	
	resmethrin - PY 24.3 EC (Resmethrin) 1 A (PT 1200 TR Resmethrin & PT 1200 DS Resmethrin)	1 tsp NA - Aerosols	1 pt NA - Aerosols	12 hr - Warning 12 hr - Caution	See aphids section for comments.
	soap - Other 49 EC (Insecticidal Soap, M-Pede)	2 1/2 fl oz	7 1/2 qt	12 hr - Caution	See aphids section for comments.
Silverleaf (Sweet-potato) whitefly	azadirachtin - BO 0.3 F (Margosan-O) 3 EC (Azatin EC)	2 1/2 to 5 tsp 1/2 tsp	40 to 80 fl oz 8 fl oz	12 hr - Caution 12 hr - Warning	
	fenpropathrin - PY 30 EC (Tame)	2/3 tsp	10 2/3 fl oz	24 hr - Warning	See aphids section for comments.
Thrips	abamectin B1 - Other 2 EC (Avid)	1/4 tsp	4 fl oz	12 hr - Caution	Do not use on ferns or conifers.

Insect or Mite	Pesticide, Classification & Formulation†	Amount of Formulation per Gallon of Spray	Amount per 100 Gallons of Water	Anticipated Minimum Interval Between Application & Reentry & Signal Word§	Precautions and Remarks	
Thrips, cont.	acephate - OP 75 SP (Orthene Turf, Tree & Ornamental)	1 to 2 tsp	1/3 to 2/3 lb	12 hr - Caution	See aphids section for comments.	
	3 A (PT 1300 TR Orthene & PT 1300 DS Orthene)	NA - Aerosol	NA - Aerosol	24 hr - Warning		
	azadirachtin - BO 0.3 F (Margosan-O)	5 tsp	80 fl oz	12 hr - Caution		
	bendiocarb - C 76 WP (Dycarb, Ficam, Turcam)	1 1/2 tsp	12 to 20 oz	12 hr - Warning	Avoid excessive runoff.	
	bifenthrin - PY 10 WP (Talstar)	1 1/2 to 5 tsp	9.6 to 32 oz	12 hr - Warning	See aphids section for comments.	
	chlorpyrifos - OP	50 WG (Pageant DF)	2 tsp	1 lb	12 hr - Warning	
		50 WP (Dursban WP)	2 tsp	1 lb	12 hr - Warning	
		20 ME (PT 1325 DuraGuard)	1/2 to 1 Tbsp	1 1/2 to 3 pt	12 hr - Caution	
	cyfluthrin - PY 20 WP (Decathlon)	1/4 tsp	1.9 oz	12 hr - Warning		
	diazinon - OP	23 EC (Knox-Out)	1 to 2 Tbsp	3 to 6 pt	12 hr - Caution	See aphids section for comments.
		0.5 A (PT 1500 Knox-Out)	NA - Aerosol	NA - Aerosol	Follow label directions	
	fluvalinate - PY 22.3 F (Mavrik)	1/8 to 5/8 tsp	2 to 10 fl oz	12 hr - Caution	See aphids section for comments.	
	horticultural oil-Other 98.8 EC (Ultra Fine, Sun Spray)	2 1/2 to 5 Tbsp	1 to 2 gal	12 hr - Caution	See aphids section for comments.	
	lindane - CH 25 WP (Lindane)	1 Tbsp	1 lb	12 hr - Warning		
	malathion - OP	25 WP (Malathion)	2 tsp	40 oz	12 hr - Caution	See aphids section for comments.
		57 EC (Malathion)	2 tsp	4 pt	12 hr - Caution	
	oxamyl - C 24 L (Vydate L) 10 G (Oxamyl)	2 to 4 tsp	2 to 4 pt	24 hr - Danger	See aphids section for comments.	
		NA - Granules	NA - Granules	24 hr - Danger		
	pyrethrins - BO 6 EC (Pyrene)	1/8 to 1 1/2 tsp	2 to 12 fl oz	12 hr - Caution	See aphids section for comments.	
	resmethrin - PY 24.3 EC (Resmethrin) 1 A (PT 1200 TR Resmethrin & PT 1200 DS Resmethrin)	1 tsp	1 pt	12 hr - Warning	See aphids section for comments.	
		NA - Aerosol	NA - Aerosol	12 hr - Caution		

Insect or Mite	Pesticide, Classification & Formulation†	Amount of Formulation per Gallon of Spray	Amount per 100 Gallons of Water	Anticipated Minimum Interval Between Application & Reentry & Signal Word§	Precautions and Remarks
Thrips, cont.	sulfotepp - OP 15 A (Dithio, Plantfume 103)	NA - Smoke Generators	NA - Smoke Generators	4 hr after venting criteria have been satisfied-D	Consult manufacturer's label for recommended rates.
Two spotted spider mite	fenbutatin oxide - Other 50 WP (Vendex) 42 L (Vendex)	1 1/2 to 3 tsp 1/2 to 1 tsp	1/2 to 1 lb 8 to 16 fl oz	24 hr - Danger 24 hr - Danger	Ornamental uses of Vendex are being phased out by the manufacturer.
	fenpropathrin - PY 30 EC (Tame)	2/3 tsp	10 2/3 fl oz	24 hr - Warning	See aphids section for comments.
	fluvalinate - PY 22.3 F (Mavrik)	1/8 to 5/8 tsp	2 to 10 fl oz	12 hr - Caution	See aphids section for comments.
Western flower thrips	acephate - OP 75 SP (Orthene Turf, Tree & Ornamental)	1 to 2 tsp	1/3 to 2/3 lb	12 hr - Caution	See aphids section for comments.
	azadirachtin - BO 3 EC (Azatin EC)	3/4 to 1 tsp	12 to 16 fl oz	12 hr - Warning	
	fometanate hydrochloride - Other 92 SP (Carzol)	1 tsp	8 oz	24 hr - Danger	Local use registration in North Carolina.
Whiteflies	acephate OP 75 SP (Orthene Turf, Tree & Ornamental)	1 to 2 tsp	1/3 to 2/3 lb	12 hr - Caution	See aphids section for comments.
	3 A (PT 1300 TR Orthene & PT 1300 DS Orthene)	NA - Aerosol	NA - Aerosol	24 hr - Warning	
	azadirachtin - BO 0.3 F (Margosan-O) 3 EC (Azatin EC)	2 1/2 to 5 tsp 1/2 tsp	40 to 80 fl oz 8 fl oz	12 hr - Caution 12 hr - Warning	
	bendiocarb - C 76 WP (Dycarb, Ficam, Turcam)	3/4 tsp	5.5 oz	12 hr - Warning	Avoid excessive runoff.
	bifenthrin - PY 10 WP (Talstar) 7.9 F (Talstar) 0.5 A (PT 1800 Attain)	1 to 5 tsp 1/2 to 2.4 tsp	6.4 to 32 oz 2 to 10 fl oz	12 hr - Warning 12 hr - Caution 12 hr - Caution	See aphids section for comments.
	chlorpyrifos - OP 50 WG (Pageant DF) 50 WP (Dursban WP)	2 tsp 2 tsp	1 lb 1 lb	12 hr - Warning 12 hr - Warning	
	cyfluthrin - PY 20 WP (Decathlon)	1/4 tsp	1.9 oz	12 hr - Warning	

Insect or Mite	Pesticide, Classification & Formulation†	Amount of Formulation per Gallon of Spray	Amount per 100 Gallons of Water	Anticipated Minimum Interval Between Application & Reentry & Signal Word§	Precautions and Remarks
White-flies, cont.	diazinon - OP 23 EC (Knox-Out) 0.5 A (PT 1500 Knox-Out)	1 to 2 Tbsp NA - Aerosol	3 to 6 pt NA - Aerosol	12 hr - Caution Follow label directions.	See aphids section for comments.
	dichlorvos - OP 5 A (Vapona)	NA - Smoke Generator	NA - Smoke Generator	4 hr after venting criteria have been satisfied-D	See aphids section for comments.
	endosulfan - CH 24.2 EC (Thiodan) 50 WP (Thiodan)	2 tsp 1 Tbsp	2 pt 1 lb	24 hr - Danger 24 hr - Danger	See aphids section for comments.
	fenoxycarb - IGR 0.6 A (PT 2100 Preclude)	NA - Aerosol	NA - Aerosol	12 hr - Caution	See aphids section for comments.
	fenpropathrin - PY 30 EC (Tame)	2/3 tsp	10 2/3 fl oz	24 hr - Warning	See aphids section for comments.
	fluvalinate - PY 22.3 F (Mavrik)	1/8 to 5/8 tsp	2 to 10 fl oz	12 hr - Caution	See aphids section for comments.
	horticultural oil-Other 98.8 EC (Ultra Fine, Sun Spray)	2 1/2 to 5 Tbsp	1 to 2 gal	12 hr - Caution	See aphids section for comments.
	imidacloprid - Other 1 G (Marathon)	NA - Granular	NA - Granular	12 hr - Caution	See aphids section for comments.
	kinoprene - IGR 72.5 EC (Enstar) 65.1 EC (Enstar II)	1/2 to 1 1/2 tsp 1/2 to 2/3 tsp	8 to 20 fl oz 5 to 10 fl oz	12 hr - Caution 12 hr - Caution	See aphids section for comments.
	naled - OP 58 EC (Dibrom)	NA - Vaporized	NA - Vaporized	24 hr - Danger	See aphids section for comments.
	oxamyl - C 24 L (Vydate L) 10 G (Oxamyl)	2 to 4 tsp NA - Granules	2 to 4 pt NA - Granules	24 hr - Danger 24 hr - Danger	See aphids section for comments.
	pyrethrins - BO 0.5 A (PT 1100 Pyrethrum) 0.3 A (PT 1600A X-clude) 6 EC (Pyrenone)	NA - Aerosol NA - Aerosol 1/8 to 1 1/2 tsp	NA - Aerosol NA - Aerosol 2 to 12 fl oz	12 hr - Caution See label - Caution 12 hr - Caution	See aphids section for comments.
	resmethrin - PY 42.3 EC (Resmethrin) 1 A (PT 1200 TR Resmethrin & PT 1200 DS Resmethrin)	1 tsp NA - Aerosols	1 pt NA - Aerosols	12 hr - Warning 12 hr - Caution	See aphids section for comments.

Insect or Mite	Pesticide, Classification & Formulation†	Amount of Formulation per Gallon of Spray	Amount per 100 Gallons of Water	Anticipated Minimum Interval Between Application & Reentry & Signal Word§	Precautions and Remarks
White-flies, cont.	soap - Other 49 EC (Insecticidal Soap, M-Pede)	2 1/2 fl oz	7 1/2 qt	12 hr - Caution	See aphids section for comments.
	sulfotepp - OP 15 A (Dithio, Plantfume 103)	NA - Smoke Generators	NA - Smoke Generators	4 hr after venting criteria have been satisfied-D	Consult manufacturer's label for recommended rates.

