

# Fogging Solutions for Ornamentals

## Insecticides & Miticides

Control Product	Pest	Rate Per 100 Gallons	Rate Per 10,000 Sq Ft	REI	MOA (Group)	Restrictions (Do Not Use On)
BASF DuraGuard ME	Heavy Infestation	50oz	20oz	24hrs	1B	Kalanchoes
BASF DuraGuard ME	Preventative, Maintenance	25oz	10oz	24hrs	1B	Kalanchoes
BASF Pylon	Broad and Spider Mites	2.6 to 5.2oz; 4oz	1.6oz	12hrs	13	Dianthus, Kalanchoe, Poisetia, Roses, Salvia, Zinnia
BASF Pylon	Fungus Gnats, Thrips	5.2 to 10oz ; 8oz	3.2oz	12hrs	13	Dianthus, Kalanchoe, Poisetia, Roses, Salvia, Zinnia
BASF Sultan	Spider Mites	13oz	5.2oz	12hrs	25	
Bayer Altus	Aphids	7 to 10.5oz; 9oz	3.6oz	4hrs	4D	
Bayer Altus	Mealybus, Thrips, Whiteflies	10.5 to 14oz; 12oz	4.8oz	4hrs	4D	
Bayer Kontos	Aphids, Mealybugs, Mites, Thrips, Whiteflies	1.7 to 3.4oz; 3oz	1.2oz	24hrs	23	Geraniums, Orchids, Hoya, Dracaena, Cordyline, Schefflera, Neanthebella Palm, Ferns
Bayer Savate	Broad and Spider Mites	1 to 4oz ; 2oz	0.8oz	12hrs	23	Geraniums, Peperomia, Dracaena, Certain Varieties of Rose
Bayer Savate	Whiteflies	2 to 4oz; 3oz	1.2oz	12hrs	23	Geraniums, Peperomia, Dracaena, Certain Varieties of Rose
BioSafe AzaGuard	Aphids, Thrips, Whiteflies	10 to 16oz; 13oz	5.2oz	4hrs	Unknown	
BioWorks BotaniGard 22WP	Aphids, Thrips, Whiteflies	16 to 32oz	3.2 to 11.2oz	4hrs	Unknown	No Thermal Puls-Fogger
BioWorks BotaniGard Maxx	Aphids, Mealybugs, Spider Mites, Thrips, Whiteflies	32 to 64oz	6.4 to 22.4oz	12hrs	Unknown	No Thermal Puls-Fogger
BioWorks Molt-X	Aphids, Caterpillars, Fungus Gnats, Thrips, Whiteflies	4 to 10oz	0.8 to 3.5oz	4hrs	Unknown	
Central Life Sciences Enstar AQ	Aphids, Fungus Gnats, Mealybugs, Thrips, Whiteflies	16 to 32oz	8 to 16oz	4hrs	7A	
Central Life Sciences Mavrik AQ	Aphids, Caterpillars, Mites, Thrips, Whiteflies	4 to 10oz	2 to 5oz	12hrs	3A	
Corteva (Dow) Conserve SC	Caterpillars, Thrips	6oz	2.4oz	4hrs	5	



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Corteva (Dow) XXpire	Aphids, Caterpillars, Shorefly, Mealybugs, Thrips, Whiteflies	2.75oz	1.2oz	12hrs	4C, 5	
Corteva (Dow) XXpire	Scale, Spider Mites	3.5oz	1.4oz	12hrs	4C, 5	
FMC Aria	Aphids, Thrips	0.7 to 2.9oz; 2oz	0.8oz	12hrs	29	Certain Pansy Varieties
FMC Aria	Whiteflies, Mealybugs	2.1 to 4.3oz; 3oz	1.2oz	12hrs	29	Certain Pansy Varieties
FMC Talstar	Aphids, Caterpillars	5 to 10oz; 7oz	2.8oz	12hrs	3	
FMC Talstar	Broad and Spider Mites, Fungus, Gnats, Mealybugs, Thrips, Whiteflies	10 to 20oz; 15oz	6oz	12hrs	3	
Gowan Aza-Direct	Aphids, Thrips, Whiteflies	16oz	6.4oz	4hrs	Unknown	
Gowan Captiva Prime	Caterpillars, Spider Mites, Thrips, Whiteflies	8oz	3.2oz	4hrs	Unknown	
Gowan Hexygon IQ	Spider Mites	24oz	9.6oz	12hrs	10A	
Gowan Magus	Mites, Whiteflies	18oz	7.2oz	12hrs	21	
Gowan M-Pede	Aphids, Mealybugs, Mites, Whiteflies	128oz	51.2oz	12hrs	Unknown	
Gowan Sanmite SC	Broad and Spider Mites	10oz	4oz	12hrs	21A	
Marrone Bio Grandevo CG	Aphids, Mites, Thrips, Whiteflies	60 to 80oz; 70oz	28oz	4hrs	Unknown	
Marrone Bio Venerate CG	Aphids, Mite, Thrips, Whiteflies	60 to 90oz; 70oz	30oz	4hrs	Unknown	
MGK Pyganic Specialty	Aphids, Mealybugs, Mites, Thrips, Whiteflies	4.5 to 17oz; 11oz	4.4oz	12hrs	3A	
Nufarm Dipel Pro DF	Caterpillars	8 to 32oz; 20oz	8oz	4hrs	11A	
Nufarm Distance	Aphids, Whiteflies	6 to 8oz; 7oz	2.8oz	12hrs	7D	Salvia, Ghost Plant, Boston Fern, Schefflera, Gardenia, Coral Bells, Poinsettias After Bract Formation
Nufarm Distance	Fungus Gnats, Shoreflies	3 to 6oz; 5oz	2oz	12hrs	7D	Salvia, Ghost Plant, Boston Fern, Schefflera, Gardenia, Coral Bells, Poinsettias After Bract Formation
Nufarm Minx 2	Broad and Spider Mites	4oz	1.6oz	12hrs	6	Ferns, Shasta Daisy
Nufarm Minx 2	Aphids, Thrips, Whiteflies	8oz	3.2oz	12hrs	6	Ferns, Shasta Daisy
Nufarm Overture 35WP	Caterpillars, Thrips	8oz	3.2oz	12hrs	Unknown	
Nufarm Safari 20SG	Aphids, Mealybugs, Thrips, Whiteflies	4 to 8oz; 6oz	2.4oz	12hrs	4A	
Nufarm Tetrasan WDG	Spider Mites	8 to 16oz; 12oz	4.8oz	12hrs	10B	
Nufarm TriStar 8.5 SL	Aphids, Caterpillars, Mealybugs, Thrips, Whiteflies	12.5 to 25oz; 19oz	7.6oz	12hrs	4A	
OHP Adept	Whiteflies	4 to 8oz; 6oz	2.4oz	12hrs	15	



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OHP Azatin O	Aphids, Thrips, Whiteflies	4 to 16oz; 10oz	4oz	4hrs	Unknown	
OHP Decathlon 20WP	Aphids, Caterpillars, Mealybugs, Thrips, Whiteflies	2oz	0.8oz	12hrs	3	
OHP Floramite SC	Spider Mites	4 to 8oz; 6oz	2.4oz	12hrs	Unknown	
OHP Fulcrum	Aphids, Whiteflies	6 to 8oz; 7oz	2.8oz	12hrs	7C	Salvia, Ghost Plant, Boston Fern, Schefflera, Gardenia, Coral Bells, Poinsettias After Bract Formation
OHP Fulcrum	Fungus Gnats, Shoreflies	3 to 6oz; 5oz	2oz	12hrs	7C	Salvia, Ghost Plant, Boston Fern, Schefflera, Gardenia, Coral Bells, Poinsettias After Bract Formation
OHP Kopa	Aphids, Mealybugs, Mites, Whiteflies	128oz	51.2oz	12hrs	Unknown	
OHP Marathon II	Aphids, Mealybugs, Mites, Whiteflies	2oz	0.8oz	12hrs	4A	
OHP Notavo	Spider Mites	4 to 8oz; 6oz	2.4oz	12hrs	10A	
OHP Pedestal	Thrips, Whiteflies	6 to 8oz; 7oz	2.8oz	12hrs	15	Poinsettias
OHP Pradia	Aphids, Mealybugs, Mites, Thrips, Whiteflies	10 to 17.5oz; 14oz	5.6oz	12hrs	28, 29	Pansies
OHP Pycana	Aphids, Mealybugs, Mites, Thrips, Whiteflies	45 to 90oz	18 to 36oz	12hrs	3A	
OHP Sarisa	Caterpillars	10.9 to 16.4oz; 14oz	5.6oz	4hrs	28	
OHP Sarisa	Mealybugs, Thrips, Whiteflies	16.4 to 27oz; 22oz	8.8oz	4hrs	28	
OHP Shuttle O	Spider Mites	6.4 to 12.8oz; 10oz	4oz	12hrs	20B	
Prokoz Avalon	Broad and Spider Mites, Fungus Gnats, Mealybugs, Thrips, Whiteflies	10 to 20oz; 15oz	6oz	12hrs	3A	
SePRO Akari SSC	All Mites, Mealybugs, Whiteflies	16 to 32oz; 24oz	9.6oz	12hrs	21A	
SePRO Hachi-Hachi SC	Aphids, Mealybugs, Thrips, Whiteflies, Powdery and Downy Mildew	14 to 32oz; 23oz	9.2oz	12hrs	IRAC:21A, FRAC: 39	Salvia, Impatiens, New Guinea Impatiens, Gypsophila, Poinsettias with Bracts with Color
SePRO Rycar	Aphids, Whiteflies	2.4 to 3.2oz; 3oz	1.2oz	12hrs	9B	
SePRO Rycar	Mealybugs	6oz	2.4oz	12hrs	9B	
SePRO Talus 70DF	Whiteflies	6 to 9oz; 8oz	3.2oz	12hrs	16	
SePRO Talus 70DF	Mealybugs	9 to 14oz; 12oz	4.8oz	12hrs	16	
Syngenta Avid .15EC	Broad and Spider Mites	4oz	1.6oz	12hrs	6	Ferns, Shasta Daisy
Syngenta Avid .15EC	Aphids, Thrips, Whiteflies	8oz	3.2oz	12hrs	6	Ferns, Shasta Daisy



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Syngenta Endeavor	Aphids, Whiteflies	2.5 to 5oz; 4oz	1.6oz	12hrs	9B	
Syngenta Flagship 25WG	Aphids, Mealybugs, Thrips, Whiteflies	4 to 8.5oz; 6oz	2.4oz	12hrs	4A	Can be used with only Automatic Cold Foggers
Syngenta Manispring GNL	Aphids, Caterpillars, Thrips, Whiteflies	4 to 8oz; 6oz	2.4oz	4hrs	28	

# Fungicides & Bactericides

Control Product	Disease	Rate Per 100 Gallons	Rate Per 10,000 Sq Ft	REI	MOA (Group)	Restrictions (Do Not Use On)
BASF Orvego	Downy Mildew, Aerial Phytophthora	11 to 14oz; 13oz	5.2oz	12hrs	40, 45	
BASF Pageant Intrinsic	Botrytis, Downy and Powdery Mildew, Leaf Spots	12 to 18oz; 16oz	6.4oz	12hrs	7, 11	
BASF Stature SC	Downy Mildew, Aerial Phytophthora	12oz	4.8oz	12hrs	40	
Bayer Aliette WDG	Bacterial Blight, Downy Mildew	40 to 80oz; 60oz	24oz	12hrs	Unknown	
Bayer Broadform	Aerial Phytophthora, Botrytis, Leaf Spots, Powdery Mildew	4 to 8oz; 6oz	2.4oz	12hrs	7, 11	Leatherleaf Fern
Bayer Compass	Aerial Phytophthora, Botrytis, Leaf Spots, Powdery and Downy Mildew	1 to 4oz, 2oz	0.8oz	12hrs	11	Leatherleaf Fern
BioSafe ZeroTol	Botrytis, Down and Powdery Mildew, Xanthomonas	128oz	5 to 16oz	1hr	Unknown	
BioWorks BotryStop	Botrytis	32 to 64oz	7.4 to 14.7oz	4hrs	Unknown	No Thermal Foggers
BioWorks Cease	Botrytis, Down and Powdery Mildew, Leaf Spots	64 to 256oz	12.8 to 89.6oz	4hrs	Unknown	No Thermal Foggers
BioWorks Milstop	Botrytis, Downy and Powdery Mildew, Leaf Spots	20 to 48oz	4.6 to 11oz	1hr	Unknown	



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Corteva (Dow) Eagle 20EW	Leaf Spots, Powdery Mildew	8oz	3.2oz	24hrs	3	
FMC Fame SC	Botrytis, Downy and Powdery Mildew, Leaf Spots, Rusts	1 to 4oz; 2oz	0.8oz	12hrs	11	
Gowan EcoSwing	Botrytis, Leaf Spots, Powdery Mildew	24oz	9.6oz	4hrs	Unknown	
Marrone Bio Regalia CG	Botrytis, Downy and Powdery Mildew, Leaf Spots	40 to 120oz; 80oz	32oz	4hrs	P5	
Nufarm 3336 EG	Botrytis, Leaf Spots, Powdery Mildew	12 to 24oz; 18oz	7.2oz	12hrs	1	
Nufarm 3336 F	Botrytis, Leaf Spots, Powdery Mildew	12 to 24oz; 18oz	7.2oz	12hrs	1	
Nufarm Adorn	Downy Mildew	2 to 4oz; 3oz	1.2oz	12hrs	43	
Nufarm Affirm WDG	Botrytis, Downy and Powdery Mildew	4 to 8oz; 6oz	2.4oz	4hrs	19	
Nufarm Phostrol	Aerial Phytophthora, Downy Mildew	26 to 54oz; 40oz	16oz	4hrs	33	
Nufarm Protect DF	Aerial Phytophthora, Botrytis, Downy Mildew, Leaf Spots	16 to 32oz; 24oz	9.6oz	24hrs	M03	
Nufarm Spectro 90WDG	Botrytis, Leaf Spots, Powdery Mildew	16 to 32oz; 24oz	9.6oz	12hrs	M05, 1	Swedish Ivy, Boston Fern, Easter Cactus
OHP 6672 4.5F	Botrytis, Leaf Spots, Powdery Mildew	12 to 24oz; 18oz	7.2oz	12hrs	1	
OHP Areca	Bacterial Blight, Downy Mildew	40 to 80oz; 60oz	24oz	12hrs	Unknown	
OHP Astun	Botrytis	10 to 17oz; 14oz	5.6oz	12hrs	7	
OHP Chipco 26019 N/G	Botrytis, Leaf Spots	16 to 40oz; 28oz	11.2oz	12hrs	2	Spathiphyllum
OHP Grotto	Botrytis, Downy and Powdery Mildew, Leaf Spots, Rusts	64 to 256oz; 128oz	51.2oz	4hrs	M01	
OHP Triathlon BA	Botrytis, Down and Powdery Mildew, Leaf Spots	16 to 192oz; 64oz	25.6oz	4hrs	Unknown	
Phython 35	Botrytis, Down and Powdery Mildew	13 to 25oz; 19oz	7.6oz	48hrs	M01	
Prokoz Transom 4.5 F	Botrytis, Leaf Spots, Powdery Mildew	12 to 24oz; 18oz	7.2oz	12hrs	1	
SePRO Camelot O	Botrytis, Downy and Powdery Mildew, Leaf Spots, Rusts	64 to 256oz; 128oz	51.2oz	4hrs	M01	
SePRO Decree 50WDG	Botrytis	12 to 24oz; 16oz	6.4oz	12hrs	17	No Thermal Foggers
SePRO Pipron LC	Powdery Mildew	4 to 8oz; 6oz	2.4oz	12hrs	5	



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Syngenta Heritage WDG	Botrytis, Downy and Powdery Mildew, Leaf Spots, Rusts	2 to 4oz; 3oz	1.2 oz	4hrs	11	
Syngenta Medallion WDG	Botrytis, Leaf Spots	2 to 4oz; 3oz	1.2oz	12hrs	12	Geraniums, Impatiens, New Guinea Impatiens, Leatherleaf Fern
Syngenta Mural	Botrytis, Downy and Powdery Mildews, Leaf Spots	4 to 7oz; 6oz	2.4oz	12hrs	7, 11	Leatherleaf Fern
Syngenta Palladium	Botrytis, Leaf Spots, Powdery Mildew	4 to 6oz; 5oz	2oz	12hrs	9, 12	Geraniums, Impatiens, New Guinea Impatiens, Leatherleaf Fern
Syngenta Segovis	Aerial Phytophthora, Downy Mildew	0.6 to 3.2oz; 2oz	0.8oz	4hrs	U15	

## *Dramm Conversion Chart* for Converting Solid and Liquid Chemicals for Fogging

Amount of pesticide recommended for 100 gallons of water	Amount of pesticide for 10,000 sq ft
1.0 ounces	0.4 ounces
2.0 ounces	0.8 ounces
3.0 ounces	1.2 ounces
4.0 ounces	1.6 ounces
5.0 ounces	2.0 ounces
6.0 ounces	2.4 ounces
7.0 ounces	2.8 ounces
8.0 ounces	3.2 ounces
9.0 ounces	3.6 ounces
10.0 ounces	4.0 ounces
11.0 ounces	4.4 ounces
12.0 ounces	4.8 ounces
13.0 ounces	5.2 ounces
14.0 ounces	5.6 ounces
15.0 ounces	6.0 ounces
16.0 ounces	6.4 ounces

Amount of pesticide recommended for 100 gallons of water	Amount of pesticide for 10,000 sq ft
17.0 ounces	6.8 ounces
18.0 ounces	7.2 ounces
19.0 ounces	7.6 ounces
20.0 ounces	8.0 ounces
21.0 ounces	8.4 ounces
22.0 ounces	8.8 ounces
23.0 ounces	9.2 ounces
24.0 ounces	9.6 ounces
25.0 ounces	10.0 ounces
26.0 ounces	10.4 ounces
27.0 ounces	10.8 ounces
28.0 ounces	11.2 ounces
29.0 ounces	11.6 ounces
30.0 ounces	12.0 ounces
31.0 ounces	12.4 ounces
32.0 ounces	12.8 ounces



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