



Greenhouse Vegetables Reference Chart

Corteva Agriscience™ offers an outstanding lineup of products for use in greenhouse applications that fit well into an Integrated Pest Management (IPM) program.

PEST	PRODUCT NAME	ACTIVE INGREDIENT	GROUP	CONTROL^	RATE/HA	REI (HOURS)	PHI (DAYS)	MAX APP. PER YEAR	CROP	ADDITIONAL INFORMATION
INSECTICIDES										
Cabbage Looper	Success™	Spinosad	5	C, Ing	120 mL/1,000 L of water	12	2	3 per crop cycle	Cu, P, T, E, L	Minimum 7 days in between applications
	Entrust™	Spinosad	5	C, Ing	240 mL/1,000 L of water	12	2	3 per crop cycle	Cu, P, T, E, L	
	Delegate™	Spinetoram	5	C, Ing	92-132 g/ha in 1,000 L of water	12	2	3 per crop cycle	Cu, P, T, E, L	
Cabbage Maggot	Success™	Spinosad	5	C, Ing	12.5 mL/1,000 plants	24	3	1	Brassica	
	Entrust™	Spinosad	5	C, Ing	25 mL/1,000 plants	24	3	1	Brassica	
Colorado Potato Beetle	Entrust™	Spinosad	5	C, Ing	170 mL/1,000 L of water	12	2	3 per crop cycle	E	Minimum 7 days in between applications
European Corn Borer	Success™	Spinosad	5	C, Ing	50 mL/1,000 L of water	12	2	3 per crop cycle	Cu, P, T, E	Minimum 7 days in between applications
	Entrust™	Spinosad	5	C, Ing	100 mL/1,000 L of water	12	2	3 per crop cycle	Cu, P, T, E, L	
	Delegate™	Spinetoram	5	C, Ing	92-132 g/ha in 1,000 L of water	12	2	3 per crop cycle	Cu, P, T, E	
Thrips*	Success™	Spinosad	5	C, Ing	50 mL/1,000 L of water	12	2	3 per crop cycle	Cu, P, T, E	Minimum 7 days in between applications
	Entrust™	Spinosad	5	C, Ing	100 mL/1,000 L of water	12	2	3 per crop cycle	Cu, P, T, E, L	
	Delegate™	Spinetoram	5	C, Ing	92-132 g/ha in 1,000 L of water	12	2	3 per crop cycle	Cu, P, T, E	
FUNGICIDES										
Botrytis Grey Mold	Fontelis™	Penthiopyrad	7	Pre, Cur	1-1.75 L/ha	12	0, 1 or 3	2	Cu, P, T, E, L	Refer to product label for crop specific rate and pre-harvest interval.
Gummy Stem Blight	Nova™	Myclobutanil	3	Pre, Cur	340 g/ha	12	2	1 per crop cycle	Cu	
Powdery Mildew	Nova™	Myclobutanil	3	Pre, Cur	340 g/ha	12	2 or 3	1	Cu, P, T, E	Refer to product label for crop specific rate, water volume and pre-harvest interval.
	Fontelis™	Penthiopyrad	7	Pre, Cur	1- 1.75 L/ha	12	0, 1 or 3	2	Cu, P, T, E, L	Refer to product label for crop specific rate and pre-harvest interval.

* Suppression

Crop Legend
 Cu - Cucumber
 E - Eggplant
 T - Tomato

P - Pepper
 L - Lettuce
 Brassica - Brassica transplants

^ Control Legend
 C - Contact
 Ing - Ingestion

Sys - Systemic
 Pre - Preventative
 Cur - Curative



Ornamentals Reference Chart

Corteva Agriscience™ offers an outstanding lineup of products for use in ornamentals applications that fit well into an Integrated Pest Management (IPM) program.

PEST	PRODUCT NAME	ACTIVE INGREDIENT	GROUP	CONTROL^	RATE/HA	REI (HOURS)	MAX APP. PER YEAR	CROP	ADDITIONAL INFORMATION
INSECTICIDES									
Aphids	Closer™	Sulfoxaflor	4C	C, Ing	200 mL/1,000 L of water	12	2	Outdoor Ornamentals**	Reapply in 10-14 days if populations warrant
Aspen Serpentine Leafminer	Delegate™	Spinetoram	5	C, Ing	320-420 g/ha plus non-ionic surfactant at 0.25% v/v	12	3	Populus spp. (Outdoor Ornamental)	Minimum retreatment interval of 14 days
Conifer Sawfly Larvae	Success™	Spinosad	5	C, Ing	25 mL/1,000 L of water	12	4	Outdoor Ornamentals	Do not reapply within less than 7 days
	Entrust™	Spinosad	5	C, Ing	50 mL/1,000 L of water	12	4	Outdoor Ornamentals	
Eastern Tent Caterpillars	Success™	Spinosad	5	C, Ing	25 mL/1,000 L of water	12	4	Outdoor Ornamentals	Do not reapply within less than 7 days
	Entrust™	Spinosad	5	C, Ing	50 mL/1,000 L of water	12	4	Outdoor Ornamentals	
Elm and Willow Leaf Beetles	Success™	Spinosad	5	C, Ing	25 mL/1,000 L of water	12	4	Outdoor Ornamentals	Do not reapply within less than 7 days
	Entrust™	Spinosad	5	C, Ing	50 mL/1,000 L of water	12	4	Outdoor Ornamentals	
Fir Coneworm	Delegate™	Spinetoram	5	C, Ing	210-420 g/ha	12	3	Conifer Seed Orchards (Douglas-fir, Spruce, Pine, Larch, Hemlock)	Retreatment interval of 14-21 days
Gypsy Moth	Success™	Spinosad	5	C, Ing	25 mL/1,000 L of water	12	4	Outdoor Ornamentals	Do not reapply within less than 7 days
	Entrust™	Spinosad	5	C, Ing	50 mL/1,000 L of water	12	4	Outdoor Ornamentals	
Thrips	Success™	Spinosad	5	C, Ing	50 mL/1,000 L of water	12	3	Outdoor Ornamentals, Greenhouse Ornamentals	Do not reapply within less than 7 days
	Entrust™	Spinosad	5	C, Ing	100 mL/1,000 L of water	12	3	Outdoor Ornamentals	
Western Conifer Seed Bug	Delegate™	Spinetoram	5	C, Ing	210-420 g/ha	12	3	Conifer Seed Orchards (Douglas-fir, Spruce, Pine, Larch, Hemlock)	Retreatment interval of 21 days
White Pine Weevil	Delegate™	Spinetoram	5	C, Ing	420 g/ha	12	3	Christmas trees, Outdoor Nursery Stock, Ornamentals (Pines, Spruce, Douglas-fir only)	Retreatment of 7-10 days
FUNGICIDES									
Black Spot	Nova™	Myclobutanil	3	Pre, Cur	340 g/1,000 L of water	12 hours - 12 days	4	Rose	Minimum 10 days between applications. Refer to product label for ornamental specific rates, re-entry intervals and max number of applications.
Powdery Mildew	Nova™	Myclobutanil	3	Pre, Cur	280-340 g/1,000 L of water	12-24	4-6	Poinsettia, Cut & Potted Roses, Gerbera, Aster, Chrysanthemums	
Rust	Nova™	Myclobutanil	3	Pre, Cur	250-540 g/1,000 L of water	12 hours to 17 days	4-6	Geranium, Cut & Potted Roses, Gerbera, Aster, Chrysanthemums, Nursery grown ornamentals, Carnation	
BIOLOGICALS									
Nutrient efficiency biostimulant that provides continuous nitrogen to the plant.	Utrisha™ N	Methylobacterium symbioticum			333 g/ha in 10 L/ha of water	0	1	Ornamental trees and shrubs, Annual and Perennial ornamental plant species	Apply annually during active growth.

* Suppression

**Since not all varieties of outdoor ornamentals have been tested for tolerance to Closer insecticide, initial applications should be limited to a small area of each variety to confirm tolerance prior to application on a large scale.

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