



Poinsettias

BioWorks delivers a full line of biological solutions to control pests, prevent disease and improve plant health. BioWorks products help you grow all season and produce the highest quality poinsettias.

PEST/DEFICIENCY	CROP STAGE			
	PRE-PLANT (STOCK PLANTS)	CUTTINGS (PROPAGATION)	VEGETATIVE	BRACT FORMATION
DISEASES	Soilborne Diseases	RootShield <i>PLUS</i> ⁺ WP, RootShield <i>PLUS</i> ⁺ G		
	Powdery Mildew	CEASE, MilStop SP, PERpose Plus		MilStop SP + CEASE, PERpose Plus
	Poinsettia Scab (Spot Anthracnose)			
	Bacterial Leaf Spot	PERpose Plus, CEASE		
Botrytis	CEASE, MilStop SP, PERpose Plus	CEASE, MilStop SP, PERpose Plus, BotryStop	MilStop SP + CEASE, BotryStop	
INSECTS / MITES	Whiteflies			
	Aphids	BotaniGard, Molt-X, SuffOil-X	BotaniGard + Molt-X, SuffOil-X	
	Thrips			
	Mealybugs	BotaniGard, SuffOil-X		
	Fungus Gnats, Shore Flies	NemaShield, Molt-X		
	Mites	SuffOil-X		
NUTRITION	Efficient nutrient use and stress reduction	ON-Gard		
	Iron (Fe) deficiency	Verdanta OFE		
	Calcium (Ca) deficiency	ON-Gard CALCIUM		

DISEASES

PRODUCT	REI	PHI	PEST/DEFICIENCY	RECOMMENDED RATE	TYPE OF APPLICATION
RootShield® PLUS+ WP*	4-hour	0-day	Damping Off, Pythium, Fusarium, Phytophthora	Drench: 6 oz/100 gal Dip (URC): 1.5 oz/5 gal	Drench at sticking or transplant, or Dip unrooted cuttings (URC) prior to planting. Reapply at 10 weeks.
RootShield® PLUS+ G*	4-hour	0-day		2 lb/cu yd	Incorporate in potting media.
MilStop® SP*	1-hour	0-day	Powdery Mildew, Poinsettia Scab (Spot Anthracnose)	2.5-5 lb/100 gal	Foliar application every 7-14 days. At highest rate, apply every 14 days. Tank mix rates: CEASE 4-6qt/100gal + MilStop SP 1.25-3 lb/100 gal.
CEASE®**	4-hour	0-day	Powdery Mildew, Poinsettia Scab (Spot Anthracnose), Bacterial Leaf Spot	4-6 qt/100 gal	Foliar application every 3-7 days.
PERpose Plus®*	0-1-hour	0-day		1/3-1 fl oz/gal	1/3 fl oz/gal preventative application weekly; 1 fl oz/gal curative application. Mist in propagation: Apply 1:1000 for first week; 1:5000 for remainder of propagation.
BotryStop®*	4-hour	0-day	Botrytis	2-4 lb/100 gal	Foliar application every 7-10 days.

INSECTS / MITES

BotaniGard® MAXX	12-hour	0-day	Whiteflies, Aphids, Thrips, Mealybugs	0.5-1 qt/100 gal	Foliar application every 5-10 days. Do not apply after bract formation.
BotaniGard® / Mycotrol®†	4-hour	0-day		WP: Foliar: 0.5-2 lb/100 gal Dip: 1.5 oz/5 gal	Foliar application every 5-10 days. For thrips, use 1-2 lb/100 gal.
				ES: 0.5-2 qt/100 gal	Foliar application every 5-10 days. For thrips, use 1-2 qt/100 gal.
Molt-X®**	4-hour	0-day		8-10 fl oz/100 gal	For foliar application. In tank mix, use 1/2 rate.
SuffOil-X®*	4-hour	0-day	Mites, Whiteflies, Aphids, Thrips, Mealybugs	1-2% v/v	Foliar application every 7 days. Suppresses Powdery Mildew.
NemaShield®	N/A	N/A	Fungus Gnats, Shore Flies	100-300 million/100 gal	Apply as a drench to the substrate as needed.
Molt-X®**	4-hour	0-day		8 fl oz/100 gal	Apply as a drench. In tank mix, use 1/2 rate.
BotaniGard® MAXX	12-hour	0-day		0.5-1 qt/100 gal	Foliar application every 7-10 days to eliminate adults. Do not apply after bract formation.

NUTRITION

ON-Gard®* (5-0-0)	N/A	N/A	Nutrition supplement and stress reduction	Foliar Spray/Drench/Dip: 1 qt/100 gal	Pre-plant dip or drench at planting. Re-apply as a drench at 2 week intervals. Low Volume (Fogging): 6.4-11.2 fl oz/ 3 L water.
Verdanta® OFE (3-0-0 + 3% Fe)			Iron (Fe) deficiency	1 qt/100 gal	Foliar application as needed.
ON-Gard® CALCIUM* (1-0-0 + 5% Ca)			Calcium (Ca) deficiency	16 fl oz/100 gal	Apply as a foliar spray at 2 week intervals.

Please refer to product labels for complete application instructions. Always read and follow label directions.



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