



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	Molt-X, SuffOil-X	Molt-X, SuffOil-X	
	Thrips			
	Mealybugs	SuffOil-X, Molt-X		
	Fungus Gnats, Shore Flies	NemaShield, Molt-X, SuffOil-X		
	Mites	SuffOil-X		
NUTRITION	Efficient nutrient use and stress reduction	ON-Gard		
	Calcium (Ca) deficiency	ON-Gard CALCIUM		

	PRODUCT	REI, PHI	ORGANIC INPUT	PEST/DEFICIENCY	RECOMMENDED RATE	TYPE OF APPLICATION
DISEASES	RootShield® PLUS ⁺ WP	4-hour, 0-day	OMRI	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	OMRI		2 lb/cu yd	Incorporate in potting media.
	MilStop® SP	1-hour, 0-day	OMRI	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	OMRI	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	OMRI		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	OMRI	Botrytis	2-4 lb/100 gal	Foliar application every 7-10 days.
INSECTS / MITES	Molt-X®	4-hour, 0-day	OMRI	Whiteflies, Aphids, Thrips, Mealybugs	8-10 fl oz/100 gal	For foliar application.
	SuffOil-X®	4-hour, 0-day	OMRI	Mites, Whiteflies, Aphids, Thrips, Mealybugs, Fungus Gnats	1-2 gal/100 gal	Foliar application every 7 days. Suppresses Powdery Mildew.
	NemaShield®	N/A	N/A	Fungus Gnats, Shore Flies	100 million/1100-3400 ft ²	Apply regular drench applications to the substrate.
	Molt-X®	4-hour, 0-day	OMRI		8 fl oz/100 gal	Apply as a drench.
NUTRITION	ON-Gard® (5-0-0)	N/A	OMRI	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.
	ON-Gard® CALCIUM (1-0-0 + 5% Ca)		OMRI	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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