



Greenhouse Peppers

BioWorks delivers a full line of biological solutions to control pests, prevent disease and improve plant health. For organic and conventional production, BioWorks products help you improve yield and grow the highest quality peppers.

PEST/DEFICIENCY	CROP STAGE			
	SEED	SEEDLING (3-5 LEAVES)	VEGETATIVE STAGE	FRUIT PRODUCTION STAGE
DISEASES	Soilborne Diseases	RootShield PLUS ⁺ WP		
	Powdery Mildew		CEASE, MilStop SP	MilStop SP + CEASE, PERpose Plus
	Botrytis			MilStop SP + CEASE, BotryStop WP
	White Mold		CEASE	CEASE, PERpose Plus
	Fusarium Fruit Rot, Bacterial Soft Fruit Rot			CEASE, PERpose Plus
INSECTS / MITES	Aphids, Whiteflies		Molt-X, SuffOil-X	
	Thrips			
	Lepidopterans	Molt-X		
	Pepper Weevils			
	Tarnished Plant Bugs	Molt-X		
	Fungus Gnats, Shore Flies	NemaShield, Molt-X		
Spider Mites, Broad Mites	SuffOil-X			
NUTRITION	Efficient nutrient use and stress reduction	ON-Gard		
	Base fertilization or top dressing	Verdanta EcoVita or N-Vita		
	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	4-8 oz/100 gal	Drench at seeding and transplant; reapply at 4–6 week intervals.
	CEASE®	4-hour, 0-day	OMRI	Powdery Mildew, Botrytis, White Mold (Sclerotinia)	4-6 qt/100 gal	Foliar application every 7–14 days.
	MilStop® SP	1-hour, 0-day	OMRI	Powdery Mildew, Botrytis	1.25-5 lb/100 gal	Foliar application every week. Tank mix rates: CEASE 4–6 qt/100 gal + MilStop SP 1.25–3 lb/100 gal.
	PERpose Plus®	0-1-hour, 0-day	OMRI	Powdery Mildew, White Mold (Sclerotinia)	1/3–1 fl oz/gal	1/3 fl oz/gal preventative foliar application weekly; 1 fl oz/gal curative application.
	BotryStop® WP (BotryStop® in CA)	4-hour, 0-day	OMRI	Botrytis	2-4 lb/100 gal	Foliar application every 7-10 days.
	PERpose Plus®	0-1-hour, 0-day	OMRI	Bacterial Soft Fruit Rot	1/3–1 fl oz/gal	1/3 fl oz/gal preventative foliar application weekly
INSECTS / MITES	Molt-X®	4-hour, 0-day	OMRI	Aphids, Thrips, Lepidopterans, Tarnished Plant Bug, Pepper Weevil	8-10 fl oz/100 gal	For foliar application.
	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	OMRI		8 fl oz/100 gal	Apply as a drench.
	SuffOil-X®	4-hour, 0-day	OMRI	Mites	1-2% v/v	Foliar application every 7 days. Suppresses powdery mildew.
NUTRITION	ON-Gard® (5-0-0)	N/A	OMRI	Nutrition supplement and stress reduction	1 qt-2 gal/100 gal	Weekly foliar spray: 1 qt in seedling stage to 2 gal in vegetative & fruiting stages. Fog rates: 6.4-11.2 fl oz/3 L water.
	Verdanta® EcoVita® (7-5-10)			Base or top-dressing fertilization	10-40 lb/1000 ft ²	Incorporate in substrate at 6-9 lb/yd ³ ; or apply as a top dress, placing product near drip emitters.
	Verdanta® N-Vita (9-4-3)				10–20 lb/1000 ft ²	
	ON-Gard® CALCIUM (1-0-0 + 5% Ca)			Calcium (Ca) deficiency	8-16 fl oz/100 gal	Weekly foliar spray: 8 fl oz in seedling stage to 16 fl oz in vegetative & fruiting stages.

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



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