



Greenhouse Tomatoes

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 tomatoes.

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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
	White Mold		CEASE	CEASE
	Bacterial Spot, Bacterial Speck, Early Blight			CEASE, PERpose Plus
INSECTS / MITES	Aphids, Whiteflies			
	Thrips		BotaniGard + Molt-X, SuffOil-X	
	Tomato Psyllid			
	Lepidopterans		Molt-X, BotaniGard	
	Tarnished Plant Bugs		BotaniGard, Molt-X	
	Fungus Gnats, Shore Flies	NemaShield	NemaShield, Molt-X, BotaniGard MAXX	
	Spider And Carmine Mites, Broad Mites		SuffOil-X	
NUTRITION	Efficient nutrient use and stress reduction		ON-Gard	
	Base fertilization or top dressing		Verdanta EcoVita, N-Vita	
	Iron (Fe) deficiency		Verdanta OFE	
	Potassium (K) deficiency			Verdanta K-Vita, Verdanta PL-2
	Calcium (Ca) deficiency			ON-Gard CALCIUM

DISEASES
INSECTS / MITES
NUTRITION

PRODUCT	REI	PHI	PEST/DEFICIENCY	RECOMMENDED RATE	TYPE OF APPLICATION
RootShield® PLUS+ WP*	4-hour	0-day	Damping Off, Pythium, Fusarium, Phytophthora	4-8 oz/100 gal	Drench at seeding and reapply prior to transplant. Reapply at 4-6 week intervals.
CEASE®*	4-hour	0-day	Powdery Mildew, Botrytis	4-6 qt/100 gal	Foliar application every 3-7 days.
MilStop® SP*	1-hour	0-day		1.25-5 lb/100 gal	Foliar application every 7-14 days. Tank mix rates: CEASE 4-6 qt/100 gal + MilStop SP 1.25-3 lb/100 gal.
PERpose Plus®*	0-1-hour	0-day		1/3-1 fl oz/gal	1/3 fl oz/gal preventative foliar application weekly; 1 fl oz/gal curative application.
BotryStop®*	4-hour	0-day		Botrytis	2-4 lb/100 gal
CEASE®*	4-hour	0-day	Bacterial Spot, Bacterial Speck, Early Blight	2 - 8 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 foliar application weekly; 1 fl oz/gal curative application
BotaniGard® MAXX	12-hour	0-day	Whiteflies, Aphids, Thrips, Psyllids, Lepidopterans, Tarnished Plant Bug	0.5-1 qt/100 gal	Foliar application every 5-10 days.
BotaniGard® 22WP/ Mycotrol®+ WPO	4-hour	0-day		0.5-2 lb/100 gal	Foliar application every 5-10 days. For thrips use 1-2 lb/100 gal.
Molt-X®*	4-hour	0-day		8-10 fl oz/100 gal	For foliar application. In tank mix, use 1/2 rate.
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.
SuffOil-X®*	4-hour	0-day	Mites, Whiteflies, Aphids, Thrips	1-2% v/v	Foliar application every 7 days. Suppresses powdery mildew.
ON-Gard®* (5-0-0)	N/A	N/A	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	
Verdanta® K-Vita* (2-0-20)			Potassium (K) deficiency	10-16 lb/1000 ft ²	Optional top dress every 6-8 weeks.
Verdanta® PL-2* (2-0-6)			Calcium (Ca) deficiency	30-40 fl oz/100 gal	Apply 2 times weekly as a K supplement with low salt index.
ON-Gard® CALCIUM* (1-0-0 + 5% Ca)			Iron (Fe) deficiency	8-16 fl oz/100 gal	Weekly foliar spray: 8 fl oz in seedling stage to 16 fl oz in vegetative & fruiting stages.
Verdanta® OFE (3-0-0 + 3% Fe)			1 qt/100 gal	Foliar application as needed.	

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



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