



Vegetable Transplants and Herbs

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 vegetable transplants and herbs.

	PEST/DEFICIENCY	CROP STAGE		
		SEED	SEEDLING (3-5 LEAVES)	VEGETATIVE
DISEASES	Soilborne Diseases	RootShield <i>PLUS</i> ⁺ WP, RootShield <i>PLUS</i> ⁺ G	RootShield <i>PLUS</i> ⁺ WP	
	Powdery Mildew, Downy Mildew		MilStop SP + CEASE, PERpose Plus	
	Botrytis	PERpose Plus	MilStop SP + CEASE, BotryStop	
	Bacterial Leaf Spot		PERpose Plus, CEASE	
INSECTS / MITES	Aphids, Whiteflies		Molt-X, SuffOil-X ¹	
	Thrips			
	Fungus Gnats, Shore Flies	NemaShield	NemaShield, Molt-X	
	Mites		SuffOil-X ¹	
NUTRITION	Efficient nutrient use and stress reduction	ON-Gard		
	Base fertilizer	Verdanta EcoVita, 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	Drench: 4-8 oz/100 gal	Drench at seeding.
	RootShield® PLUS ⁺ G	4-hour, 0-day	OMRI		1.5-3 lb/cu yd	Mix with potting media.
	MilStop® SP	1-hour, 0-day	OMRI	Powdery Mildew, Downy Mildew, Botrytis	1.25-5 lb/100 gal	Foliar application every 7-14 days. Tank mix rates: CEASE 4-6 qt/100 gal + MilStop SP 1.25-3.0 lb/100 gal.
	CEASE®	4-hour, 0-day	OMRI	Bacterial Leaf Spot, Powdery Mildew, Downy Mildew, Botrytis	4-6 qt/100 gal	Foliar application every 3-7 days. Safe for use with young seedlings.
	PERpose Plus®	0-1-hour, 0-day	OMRI		1/3-1 fl oz/gal Mist: 1:1000-1:5000	1/3 fl oz/gal preventative foliar application weekly; 1 fl oz/gal curative application. Mist: Apply 1:1000 for 7-10 days at seeding, continue 1:5000 into 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	8-10 fl oz/100 gal	For foliar application.
	SuffOil-X® ¹	4-hour, 0-day	OMRI		1-2 gal/100 gal	Foliar application every 7-10 days.
	NemaShield®	N/A	N/A	Fungus Gnats, Shore Flies	100 million/1100-3400 ft ²	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® ¹	4-hour, 0-day	OMRI	Mites	1-2 gal/100 gal	Foliar application every 7 days.
NUTRITION	ON-Gard® (5-0-0)	N/A	OMRI	Nutrition supplement and stress reduction	Drench, spreng, or foliar spray: 1 qt/100 gal	Drench applications at seeding and weekly foliar applications. Fog rates: 6.4-11.2 fl oz/3 L water.
	Verdanta® EcoVita® (7-5-10)		OMRI	Base fertilization	1-2 lb/cu yd soil mix	Low rates: commercial vegetable transplants Label rates: Veg/herbs in packs or small pots
	Verdanta® N-Vita® (9-4-3)		OMRI		5-8 lb/cu yd soil mix	
	ON-Gard® CALCIUM (1-0-0 + 5% Ca)		OMRI	Calcium (Ca) deficiency	16 fl oz/100 gal	Weekly foliar spray to prevent Ca deficiency.



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

¹ SuffOil-X - Not labeled for use on herbs

©2022 BioWorks, Inc. The following are registered trademarks of BioWorks, Inc.: RootShield, CEASE, MilStop, PERpose Plus, BotryStop, Molt-X, NemaShield, SuffOil-X, ON-Gard, Verdanta EcoVita, Verdanta N-Vita, and Verdanta.