

CROP GUIDE GREENHOUSE CUCUMBERS

	PEST/DEFICIENCY	CROP STAGE						
		SEED	SEEDLING (3-5 LEAVES)	VEGETATIVE STAGE	FRUIT PRODUCTION STAGE			
	Soilborne Diseases	RootShield® <i>PLUS</i> ⁺ WP						
	Powdery Mildew		- CEASE®, MilStop® SP	MilStop SP + CEASE, PERpose Plus®				
	Downy Mildew		CEASE*, WIIStop* SP					
	Botrytis		CEASE	BotryStop® WP, MilStop + CEASE				
	Gummy Stem Blight		CEASE					
	Aphids, Whiteflies, Thrips		PRINCIPLE™ WP, Molt-X, SuffOil-X®, EpiShield®					
	Caterpillars		CIIO.I V MAIA V DDINICIDI E WD					
	Tarnished Plant Bugs		Sui	fOil-X, Molt-X, PRINCIPLE WP				
	Cucumber Beetles	PRINCIPLE WP, NemaShield® HB, Molt-X						
	Fungus Gnats, Shore Flies	NemaShield, Molt-X						
	Mites	SuffOil-X, EpiShield						
	Efficient nutrient use and stress reduction	ON-Gard®						

ABOVE AND BEYOND IS WHERE WE BEGIN

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	PRODUCT	REI, PHI	OMRI	PEST/DEFICIENCY	RECOMMENDED RATE	TYPE OF APPLICATION
SEASES	RootShield <i>PLUS</i> * WP²	4-hour 0-day	Yes	Pythium, Fusarium, Phytophthora, Rhizoctonia, Damping Off	Drench: 4-8 oz/100 gal	Drench at seeding and reapply prior to transplant. Reapply at 4–6-week intervals.
٥	MilStop SP	1-hour 0-day	Yes	Powdery Mildew, Downy Mildew, <i>Botrytis</i>	1.25–5.0 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.
	CEASE	4-hour 0-day	Yes	Gummy Stem Blight, Botrytis, Powdery Mildew, Downy Mildew	4-6 qt/100 gal	Foliar application every 3-7 days.
	PERpose Plus	0-1-hour 0-day	Yes	Powdery Mildew, Downy Mildew, <i>Botryti</i> s	1/3-1 fl oz/gal	1/3 fl oz/gal preventative foliar application weekly; 1 fl oz/gal curative application.
	BotryStop WP⁴	4-hour 0-day	Yes	Botrytis	2-4 lb/100 gal	Foliar application every 7–10 days.
TES	PRINCIPLE WP1	4-hour 0-day	Yes	Aphids, Thrips, Caterpillars, Tarnished Plant Bug (Lygus), Whiteflies	0.5-2 lb/100 gal	Foliar application every 5-10 days. For thrips use 1-2 lb/100 gal.
IS M	Molt-X²	4-hour 0-day	Yes		8–10 fl oz/100 gal	Foliar spray to glisten on a 7-10-day interval or as needed.
NS ECT	SuffOil-X	4-hour 0-day	Yes	Mites, Whiteflies, Aphids, Thrips	1-2 gal/100 gal	Foliar application every 7 days. Suppresses powdery mildew.
	EpiShield	N/A	No	Mites, Aphids, Thrips, Whiteflies, Mealybugs	9-12 fl oz/100 gal	Foliar spray to glisten on 5-7-day interval or as needed.
	NemaShield HB	N/A	N/A	Cucumber Beetles	50 million/1000-2000 ft²	Apply as a drench to the substrate as needed.
	NemaShield	N/A	N/A	Fungus Gnats, Shore - Flies	100 million/1100-3400 ft²	Apply as a drench to the substrate as needed.
	Molt-X²	4-hour 0-day	Yes		8 fl oz/100 gal	Apply as a drench.
NUTRITION	ON-Gard (5-0-0)³	N/A	Yes	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.

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

'Not available for use in CA; aNot available for use in AK; Not labeled for use in MT, ND, SD, WY. BotryStop WP not labeled for use on cucumber in CA

Please refer to product labels **bioworksinc.com** for fogging application details and rates.

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BIOWORKS, INC.

100 Rawson Road • Suite 205

Victor, NY 14564

bioworksinc.com • 800.877.9443