

BIOSECURITY FOR GROWERS



BioSafe Systems' ZeroTol is designed to achieve the highest levels of BioSecurity in order to protect crops and profits. ZeroTol has a reduced-risk chemistry, zero-hour REI and allows no mutational resistance. ZeroTol works on contact, with results seen in 24 - 48 hours of application. Talk to one of our Technical Representatives to learn how BioSafe Systems can help you.

HARD SURFACE SANITATION ZEROTOL: GENERAL SANITATION

Application	oz. per Gallon	mL per Liter	Frequency of Application	Directions	Direct Injection
Pre-cleaned Tools, Pots, Trays: Dip Tank	0.5	3.3	As needed	Allow 10 minutes exposure to solution. Check proper dilution with test strips. Spray over top. Cover all surfaces.	1:300
Uncleaned Tools, Pots, Trays: Spray	2.5	20	As needed		1:50
Structures	0.5	3.3	Monthly	Volume of treatment solution: 2.5 gallons per 1,000 square feet	1:300
Concrete Walks, Gravel/Dirt Walks, Floors & Under Benches	2.5	20	Monthly or as needed	Volume of treatment solution: 3 - 5 gallons per 1,000 square feet	1:50
Capillary Mats	0.25	2.0	As needed	Power wash mats to clean off organic matter before spraying. Bi-weekly = 1:500	1:500
Evaporative Pads	1.28	10	As needed	To clean, spray pads at 1:100. To keep pads clean, treat recirculating water weekly at 1:500.	1:100
Foot Mats	0.75	5.0	Daily	Fill BioMat and refresh daily or as needed.	1:200

WATER TREATMENT ZEROTOL: WATER TREATMENT

For best results, BioSafe Systems recommends shocking lines to remove biofilms before beginning any water treatment program. All rates for water treatment are based on average water. Individual cases may require specialized rates. For more information, contact BioSafe Systems.

Application	oz. per 1,000 Gallons	mL per 1,000 Liters	Frequency of Application	Directions	Direct Injection
Irrigation Line Shock Treatment	1280	10,000	As needed	Charge irrigation lines using a dilution rate of 1:100 or 1.25 oz. per gallon of water. Allow solution to remain in lines for 12-48 hours. Flush by opening flush valves or laterals to avoid clogging emitters.	1:100
Recycled Water Curative	256	2,000	Continual or periodic	Rates will vary with the amount of biological loading and algae in the water. A water test and ZeroTol test kit are suggested.	1:500
Recycled Water Preventative	51.2 - 12.8	400 - 100	Continual or periodic	Rates will vary with the amount of biological loading and algae in the water. A water test and ZeroTol test kit are suggested.	1:2,500 - 1:10,000

ZEROTOL: MIST PROPAGATION

Application	oz. per 1,000 Gallons	mL per 1,000 Liters	Frequency of Application	Directions	Direct Injection
Week 1	128	1,000	Every 3 days once plants are turgid	Direct Injection.	1:1,000
Week 2+	25.6	200	With each misting	Direct Injection.	1:5,000

MGS
HORTICULTURAL INC.

Another Way
We Are
Helping You Grow

50 Hazelton St., Leamington, ON, N8H 3W1 519-326-9037





ZeroTol[®]
Broad Spectrum Algaecide/Fungicide

FOR DISEASE CONTROL

ZeroTol Broad Spectrum Algaecide/Fungicide is formulated to achieve disease control in all phases of operations. ZeroTol may be used as a tank mix with other residual pesticides to provide immediate knock down control. ZeroTol meets all of the requirements of the National Organic Program (NOP).

PLANT & TURF PROTECTION

ZEROTOL: FOLIAR SPRAY (ORNAMENTALS)

Application	oz. per Gallon	mL per Liter	Frequency of Application	Directions	Direct Injection
Potted Crops and Bedding Plants: <i>Curative</i>	1.28	10	1 - 3 consecutive applications	Wet thoroughly.	1:100
Potted Crops and Bedding Plants: <i>Preventative</i>	0.5	3.5	Weekly		1:300
Nursery Crops: <i>Curative</i>	1.28	10	1 - 3 consecutive applications	Wet thoroughly.	1:100
Nursery Crops: <i>Preventative</i>	0.5	3.3	Weekly		1:300
Plugs	0.25 - 0.5	2.0 - 3.3	Weekly	Spray prior to algae forming.	1:500 - 1:300
Cuttings	0.25 - 0.5	2.0 - 3.3	Weekly	Spray at first sticking.	1:500 - 1:300
Cut Flowers	0.25	2.0	Prior to storage	Spray stems and foliage.	1:500

ZEROTOL: FOLIAR SPRAY FOR SENSITIVE PLANTS - POINSETTIAS, BEGONIAS, BROMELIADS, PETUNIAS (IN BLOOM) AND ORCHIDS

Application	oz. per Gallon	mL per Liter	Frequency of Application	Directions	Direct Injection
Curative	0.5	3.3	1 - 3 consecutive applications	Wet thoroughly.	1:300
Preventative	0.25	2.0	Weekly		1:500

ZEROTOL: DRENCHING APPLICATIONS

Application	oz. per Gallon	mL per Liter	Frequency of Application	Directions	Direct Injection
Curative	1.28	10	1 - 3 consecutive applications	Apply 1 - 2 fl. oz. of drench solution per inch of pot diameter.	1:100
Preventative	0.25	2.0	Weekly	Wet to saturate.	1:500

ZEROTOL: TURF APPLICATIONS

Application	mL per 100 Square Meters	Liters per 100 Square Meters	Frequency of Application	Directions	Direct Injection
Curative	400 - 800	6 - 20	1 - 3 consecutive applications or as needed	Spray over the foliage or drench the soil to saturate the root systems	N/A
Preventative	65 - 400	3 - 6	1 - 3 consecutive applications or as needed	Spray over the foliage or drench the soil to saturate the root systems	N/A

BiSafe Systems L.L.C.

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