



GET A NEW PERSPECTIVE ON YOUR TURF PROGRAM

You can't afford to lose 10%, 20%, or even more of your turf to disease or insects. Every day you put your reputation on the line. BioSafe Systems knows what's at stake.

It's time to invest in a complete turf control program from fungicide to algaecide to insect growth regulator without busting the budget.

Bi **Safe Systems**_{L.L.C.}



CHANGING YOUR PERSPECTIVE

A NEW APPROACH TO YOUR TURF PROGRAM

Prevent and eliminate disease, moss, algae, and insects with BioSafe Systems' new turf program. In today's economy, the need for cost effective solutions is a must. BioSafe Systems' new ZeroTol[®] 2.0 and TerraCytePRO[®] (Algaecide/Fungicide), are the only labeled products that will kill active turf and soil diseases on contact, including dormant spores. ZeroTol 2.0 and TerraCytePRO use BioSafe Systems' patented activated peroxygen chemistry, to offer a unique and broad-spectrum approach to turf maintenance. Complete the program and tank mix ZeroTol 2.0 with AzaGuard[®] Insecticide/Nematicide to botanically manage insects, while eliminating disease.

ZeroTol[®] 2.0

For immediate control of Anthracnose, Dollar Spot, Grey Leaf Spot, Snow Molds, Brown Patch and Summer Patch

ZeroTol 2.0 is a liquid concentrate, activated peroxide chemistry that offers professionals a powerful new tool for controlling a broad range of turf pathogens. ZeroTol 2.0 is a bio-rational, broad-spectrum bactericide/fungicide formulated to kill active and dormant spores.

- Minimal PPE Required for Applicator
- Non-Phytotoxic to All Turf Types
- Environmentally Responsible Chemistry
- Use in Chemigation Systems
- Goes into Solution Immediately – Works on Contact

Turf Application Rates

For eradication and control of diseases such as Dollar Spot, Snow Molds, Brown Patch, Summer Patch, Grey Leaf Spot, and Anthracnose.

Curative 2-3 applications may be needed for complete control	12-15 fl. oz. per 1,000 sq. ft.	Use 2-3 gal. spray solution/1,000 sq. ft.
Preventative 10-21 day spray interval	6-8 fl. oz. per 1,000 sq. ft.	Use 2-3 gal. spray solution/1,000 sq. ft.

Directions For Use

For CURATIVE applications, apply early morning (temps under 85 degrees), 1-2 consecutive days depending on severity of disease pressure. Tank mix at preventative rate with residual chemistries on third day.

For PREVENTATIVE applications, apply early mornings every 10-21 days. Tank mixing with residual chemistries is recommended for better protection.

- **Note:** If lower water volumes are used, apply at 1/2 curative rate and make 2 consecutive applications on the same day.

ZeroTol 2.0 turf applications will not affect beneficial soil amendment colonies.

Artificial Turf Application Rates

For eradication and control of Fungus, Algae, Slime Molds, Moss, and more.

Curative	1.25 oz./gallon of water	Spray evenly to be treated.
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Soil Application Rates – Bacterial/Fungal

For eradication and control of soil diseases such as Fairy Ring, Pythium, Fusarium, Rizochtonia, Anthracnose.

Curative	1.25 oz./gallon of water	Spray evenly to be treated.
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ZeroTol 2.0 provides additional curative action when mixed with other residual fungicides, by further reducing the plant pathogen spore population on the treated surfaces.

Including ZeroTol 2.0 as part of your spray program stretches your budget dollars two ways:

1. Tank mixing ZeroTol 2.0 with residual products will stop disease in its tracks, but more importantly allow your residual chemistry to do what it was meant to do in the first place, protect the turf.
2. ZeroTol 2.0 has no environmental use restrictions and no mutational resistance. Thus, it can be used as often as needed in all areas of the facility.

Tank Mixing – Fungicides

Chemicals compatible with ZeroTol 2.0.

Azoxystrobin	Propiconazole	Chlorothalonil
Elridozole	Thiophanate methyl	Ferarimol
Boscalid	Trifloxystrobin	Iprodione
Fenhexamid	Fludioxonil	Phosphorus Acid
Quintozenc	Tridimefon	Vinclozolin

Tank Mixing – Insecticides

Chemicals compatible with ZeroTol 2.0.

Imidacloprid	Permethrin	Azadirachtin
Azinphosmethyl	Cyfluthrin	Bifenthrin
Tebufenozide	Chlorpyrifos	Methomyl
Malathion	Acephate	



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Call BioSafe Systems at
1.888.273.3088 (toll-free)
or visit www.biosafesystems.com

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TerraCyte^{PRO}

Moss and Algae Treatment

TerraCytePRO is a revolutionary product designed to completely eradicate and prevent moss, algae, fungi and their spores.

TerraCytePRO is an enhanced wettable powder, formulated with BioSafe Systems' patented activated peroxygen chemistry. Mix into solution and spray turf grasses for immediate results.

- Control Silver Thread Moss, Black Algae, & Their Spores
- Easy to Use Sprayable Formulation
- Eradicate Moss Within 24-48 Hours
- No Environmental Restrictions
- Minimal PPE Requirements
- Use on All Turf Grasses

Moss Application Rates

Curative	½ lb. per gallon water (dissolve completely)	Spray to saturation
1-2 Applications may be necessary for complete eradication	½ lb. per 1,000 sq. ft. (dissolve completely)	Spray to saturation

- Note – TerraCytePro dissolves quicker in warm water.

Before



After



Direction for use:

- 1- Prior to application verti-cut or mow greens, fairways, or tees.
- 2- Run irrigation prior to application, to help with saturation process.
- 3- Once kill is achieved, rake/remove dead moss and apply final application of TerraCytePro to eradicate any remaining moss spores.
- 4- Re-seeding of turf can begin 24-48 hours after last application of TerraCytePro. It is recommended that the area is thoroughly irrigated before re-seeding.

Algae Application Rates

Curative	½ lb. per 1,000 sq. ft. (dissolve completely)	Apply min of 2-3 gallons of water per 1,000 sq. ft.
2-3 Applications may be necessary for complete eradication		

Preventative applications of ZeroTol 2.0 by itself, or tank mixed with a residual chemistry, will prevent moss and algae from re-establishing itself.

AzaGuard[®]

Insecticide/Nematicide Treatment



AzaGuard is a 3% Azadirachtin formulated Insect Growth Regulator (IGR), that offers broad spectrum insecticidal control on over 300 insect species.

AzaGuard meets all of the requirements of the National Organic Program (NOP), and is an important tool in Integrated Pest Management (IPM) plans for disease control.

- Control Ring Nematodes (Sting, Root Knot, and Lance)
- Control Insects Including: Aphids, Beetles, Caterpillars, Chinch Bug, Grubs, Maggots, Flies, Scales, and More
- Long Term Efficacy
- Minimal PPE—No Respirator Required
- No Mutational Resistance & No Use Restrictions

Insect Application Rates

For control of Nematodes, Chinch Bugs, Grubs, Sod Worms, Billbugs, Cut Worm, Armyworm, Weevils, Mole Crickets, Mites, and Scale.

Chinch Bugs, Grubs, Sod Worms, Armyworms, Grubs, Cut Worms, Aphids, Weevils, Mole Crickets, Mites, Scale	8-21 fl. oz. AzaGuard/Acre	Irrigate well before applying. Use suitable pressure sprayer and mix ½ - ¾ tbsps in 3 gal water and apply to 2,500 sq. ft. of Turf. Repeat 10 -14 days as necessary. The use of an approved spreader sticker helps with penetration to larvae / worm feeding area.
Nematodes	15 fl. oz. AzaGuard/Acre	Apply in sufficient amount of water to penetrate soil 10-12 inches. Repeat application after 21 days if necessary.



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www.biosafesystems.com



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Always read and follow label directions before using. TF12-15

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