TurfTech Bio™

Transforming Tough Soils For Over Twenty Years

TurfTech Bio combines the proven performance of TurfTech's soil enhancing organisms with beneficial microbes that improve plant health and prevent damage from fungal pathogens. The product comes as an easy-to-use wettable powder that can be mixed with liquids for spraying or injected through irrigation systems. TurfTech Bio is a cost-effective tool for improving golf course soils, sports turf, and home lawns.

MICROBIAL SOIL IMPROVEMENTS

TurfTech Bio works to improve soils in three ways: TRIPLE ACTION!

1. TurfTech Bio supplies free nitrogen from biological nitrogen fixation. Regular application of Turf Tech Bio during the growing season assures steady, even growth. The result is higher quality turfgrass and reduced need for synthetic fertilizer. ***CUT FERTILIZER COSTS!***
2. The organisms in TurfTech Bio add polysaccharides which can increase soil aggregation (crumb structure). Hard soils become more porous and mellow because of this aggregation process. Light soil will hold moisture better under dry conditions. ***REVERSE SOIL COMPACTION!***
3. TurfTech Bio provides several strains of rhizobacteria that are proven fungal antagonists. These beneficials help produce conditions that reduce the incidence and severity of damaging fungi such as *Fusarium, Pythium, Rhizoctonia, and Sclerotinia*. ***INHIBIT TURF DISEASE!***

TurfTech Bio is the ideal product for those seeking to significantly reduce fertilizer and chemical requirements. TurfTech Bio is an excellent choice for improving soil structure and optimizing plant health.

RESEARCH SHOWS THAT TURFTECH BIO:

- REDUCES THE NEED FOR SYNTHETIC FERTILIZERS.
- IMPROVES SOIL CONDITIONS BY INCREASING AGGREGATION.
- SUPPRESSES THE ACTIVITY OF CERTAIN FUNGAL DISEASES.

YOU'VE TRIED THE REST; NOW, TRY THE BEST!

SOILTECH
Making Golf Greener

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TECHNICAL DATA

DESCRIPTION: TurfTech Bio consists of multiple varieties of dormant, beneficial microbes in a powder form that is mixed with water or liquid fertilizer for spray application or injection into irrigation systems.

PRODUCT PURPOSE: The concentrated inoculum is applied to the soil and the introduced microbes deliver numerous organic compounds. These include nitrogen from nitrogen fixation, polysaccharides, plant growth hormones, essential aminos and enzymes. Certain organisms help solubilize soil minerals, while others compete in the root rhizosphere with damaging fungi.

DOSAGE: Apply 4 oz. of TurfTech Bio in 40 - 100 gallons of water per acre at 4 - 6 week intervals during the growing season. Water in within 24 hours after application (a normal night-time irrigation cycle will be sufficient). TurfTech Bio should not be mixed with chlorinated water. Dechlorinating agent is provided.

INGREDIENTS:

Bacillus Spores……..……....1.0%
Chlorophyta & Cyanophyta...3.0%
Kaolin Clay (inert)……....96.0%

BENEFITS: TurfTech Bio's beneficial microbes improve plant health and help prevent growth of pathogenic soil fungi. Soil structure is improved by increasing aggregation. Research shows that TurfTech Bio can reduce fertilizer needs and dependence on chemical applications. TurfTech Bio's concentrated formula is inexpensive for broad acre applications.

"Having a biologically active soil is like having a mini fertilizer manufacturing plant producing small amounts of 10-5-2 on a continuing basis. This system is worth perpetuating."
Elliot C. Roberts of The Lawn Institute.
"The Biology of Soils",
Golf Course Management, April, 1989.

CHEMICAL COMPATIBILITY

Soil Technologies has found that TurfTech Bio cells remain viable when mixed with certain chemical products, providing the mix is not left standing for more than 3 hours (see chemical compatibility chart). TurfTech Bio application should follow by two (2) days or precede by seven (7) days any application of non-compatible pesticides.

SHELF LIFE: When stored under ambient conditions, the product has a 12 month shelf life. Store in a cool, dry place.