

TurfTech Endo™

BROAD SPECTRUM SOIL BIOINOCULANT SPRAY

TurfTech Endo contains the highest concentration and widest variety of beneficial microorganisms available to turfgrass maintenance professionals today. The product has been widely researched at major universities in the U.S. and abroad.

TurfTech Endo is a powerful tool for improving turf conditions on golf courses, sports turf, and home landscapes.

MICROBIAL SOIL IMPROVEMENTS

TurfTech Endo works to improve soils in multiple ways:

1. **REDUCE WILT AND MOISTURE STRESS!** Now with 3 species of beneficial mycorrhizae, TurfTech Endo greatly increases the potential of the root system to absorb moisture and nutrients. In USGA sponsored research, bentgrasses with mycorrhizae had a 60% reduction of drought stress symptoms (wilting).
2. **CUT FERTILIZER COSTS!** TurfTech Endo supplies free nitrogen from biological nitrogen fixation. Regular application of TurfTech Endo during the growing season assures steady, even growth. The result is higher quality turfgrass and reduced need for synthetic fertilizer.
3. **REVERSE SOIL COMPACTION!** The organisms in TurfTech Endo add poly-saccharides that increase soil crumb structure. Hard soils become more porous and mellow because of this process.
4. **INHIBIT TURF DISEASE!** TurfTech Endo provides several strains of rhizobacteria and Trichoderma that act against pathogenic fungi. These beneficials help produce conditions that reduce the incidence and severity of damaging fungi such as Fusarium, Pythium, Rhizoctonia, and Sclerotinia.

TurfTech Endo is the ideal product for those seeking to significantly reduce fertilizer and chemical requirements. TurfTech Endo is an excellent choice for increasing root growth, improving soil structure, maximizing nutrient uptake, and optimizing plant health.

RESEARCH SHOWS THAT TURFTECH ENDO:

- REDUCES THE NEED FOR SYNTHETIC FERTILIZERS.
- INCREASES SOIL AGGREGATION AND REDUCES COMPACTION.
- SUPPRESSES THE ACTIVITY OF CERTAIN FUNGAL DISEASES.
- DECREASES WILTING AND WATER REQUIREMENTS.



Soil Technologies Corp.

2103 185th Street, Fairfield, IA 52556, U.S.A.

1-641-472-3963 FAX: 1-641-472-6189

www.soiltechcorp.com



TurfTech Endo

TECHNICAL DATA

DESCRIPTION: TurfTech Endo 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 amino acids and enzymes. Certain organisms help solubilize soil minerals, while others compete in the root rhizosphere with damaging fungi.

DOSAGE: Apply 12-16 oz. per acre of TurfTech Endo in 60-100 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 Endo should not be mixed with chlorinated water. Dechlorinating agent is provided.

INGREDIENTS:

Mycorrhizae & Trichoderma Spores*	11%
Bacillus Spores	1%
Chlorophyta & Cyanophyta	2%
Kaolin Clay (inert)	86%

*Contains over 65,000 spores/propagules (per pound) of endo-mycorrhizae including *Glomus mosseae*, *G. intradices*, *G. aggregatum* and *Trichoderma harzianum*, and *T. Koningii* at a minimum 4×10^7 cfu's (each) per pound.

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 Endo 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 Endo 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.

