



Remineralizer and Bio-Fertilizer

This powerful soil and plant enhancer combines our patented blend of beneficial microbes and volcanic rock powders that strengthen, stimulate, and enhance turfgrass metabolism. Treated turf shows improved growth characteristics and resists damage by drought, frost, disease, insects, and fungi. **TurfTech Bio-Min** adds vitality to areas prone to wear and tear.

The proven performance of **TurfTech Bio-Min** is available as an easy-to-use wettable powder that is ready for spray application. **TurfTech Bio-Min** is a cost-effective tool for replacing depleted minerals on golf course turf, lawns, landscapes, and sports fields.

BIO-MIN ACTS TO

- Reduce the need for synthetic fertilizers.
- Strengthen turfgrass resistance to pests.
- Improve turfgrass aesthetics and quality.
- Suppress damaging fungal diseases.
- Reduce compaction.

- Remineralization of plants and soils is achieved by the regular application of micronized rock powder containing over 60 trace elements not found in commercial NPK fertilizers. **TurfTech Bio-Min** strengthens plant cells and activates plant enzymes. The result is that problem areas diminish and are replaced by vigorous, healthy turf.

- **TurfTech Bio-Min** supplies free nitrogen from biological nitrogen fixation. Regular application of **TurfTech Bio-Min** during the growing season results in higher quality turfgrass with reduced need for synthetic fertilizers.

- The organisms in **TurfTech Bio-Min** contribute to the building of humus complexes in the soil. Hard soils become more porous and mellow because of this process. Light soil will hold moisture better under dry conditions.

- **TurfTech Bio-Min** provides several strains of rhizobacteria that are proven fungal antagonists. These beneficials help reduce the incidence and severity of damaging fungi such as Fusarium and Rhizoctonia.



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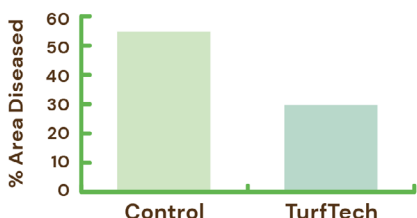
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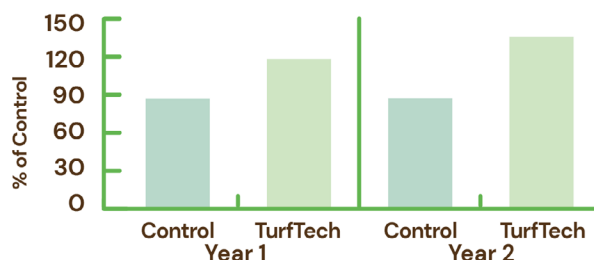
TurfTech Bio-Min™

Research

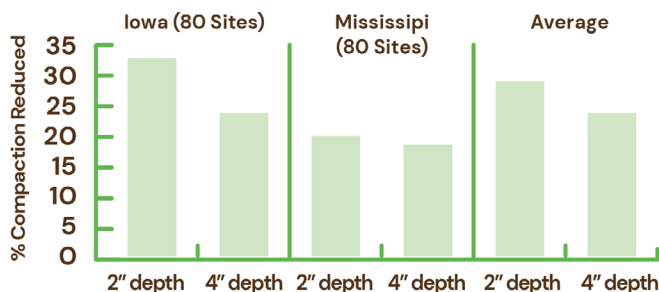
Michigan State University,
Department of Botany & Plant Pathology.
Grand Elks Golf Course, Grand Rapids MI
Preventative Management of Summer Patch



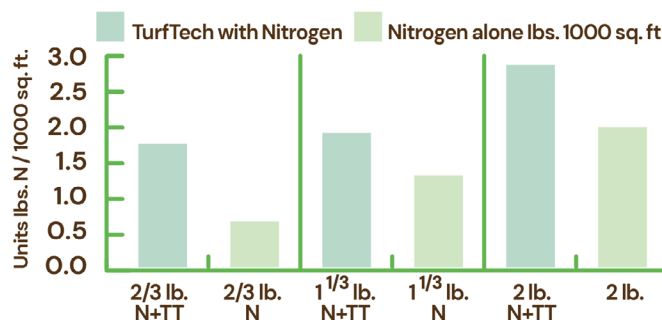
South Japan Green Institute
Fukuoka City, Japan
Root Dry Weight



EPA Publication, Integrated Pest Management for Turfgrass & Ornamentals
Reduced Soil Compaction



University of Arkansas, Stuttgart Experimentation Station
TurfTech N Contribution



Technical Data

PURPOSE: TurfTech Bio-Min is a 100% natural product used to supply plants and soils with trace minerals and beneficial microbials. The beneficial microbe package includes nitrogen fixing and antifungal organisms. Other microbial components transform organic matter into nutrients and humus.

DOSAGE: Mix 1 pound of TurfTech Bio-Min with 60-100 gallons of water per acre. Agitate the mixture thoroughly to keep the product in suspension for uniform spray coverage. Spray mixture to the point of dripping on the target plant foliar surface. Spray with pressure at the nozzle greater than 25 lbs. p.s.i. TurfTech Bio-Min has the consistency of lime or talc and will pass a standard 60 mesh screen.

DIRECTIONS FOR USE: Apply to turfgrass at 3-4 week intervals during the growing season. Applications in the early morning or late afternoon will produce the best results. Allow the spray mixture to stay on the leaf surface for 3-16 hours. Water in within 24 hours. TurfTech Bio-Min poses no threat of phytotoxicity, even in direct sunlight.

CHEMICAL COMPATIBILITY: See the chemical compatibility chart provided for tank mix information. TurfTech Bio-Min applications should follow by two (2) days or precede by seven (7) days any application of non-compatible chemicals.

STORAGE: Store in a cool, dry place out of direct sunlight. TurfTech Bio-Min has a shelf life of one year under ambient conditions.

INGREDIENTS	
	% BY WEIGHT
<i>Bacillus</i> Spores	0.25%
Dessicated Chlorophyta & Cyanophyta	0.75%
Kaolin Clay (inert)	11.50%
Volcanic Rock Dust	87.50%



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