

TURFTECH **BIO-MEGA**TM

A Total Microbial Ecosystem

Bio-Mega has been designed to provide a complete and productive microbial biosphere in the rootzone of highly maintained turfs. Developed over 30+ years, **Bio-Mega** components work synergistically to maximize turfgrass performance.

The **Bio-Mega** concentrate contains a diverse ecosystem of naturally occurring soil microbes that enhance turf health and fertility. In modern soil-less substrates, **Bio-Mega** provides a range of microbial strains to optimize turfgrass performance under a wide variety of conditions. This assures that **Bio-Mega** delivers predictable results in every situation.

No gimmicks. No nonsense.
Just Solid Soil Science

Bio-Mega provides the following key functions:

- Mineralizes nutrients in the soil for use by turfgrass
- Fixes environmental nitrogen in the soil
- Provides additional levels of naturally occurring phytoelicitors for improved plant health
- Builds soil organic matter and improves tilth
- Regulates soil pH to increase turfgrass vigor
- Displaces pathogens in the rhizosphere
- Provides a balanced micronutrient blend

Bio-Mega delivers results:

- **Improved turfgrass rooting**
- **Improved plant growth and vigor**
- **Improved plant health**
- **Improved soil structure and fertility**
- **Reduced fertilizer and chemical needs**
- **Better playability and ball roll**
- **Faster recovery from damage**



TURFTECH BIO-MEGA™

PRODUCT PURPOSE:

TurfTech Bio-Mega is a 100% natural product used to supply plants and soils with a total microbial ecosystem. The Bio-Mega components work synergistically to maximize turfgrass performance under all types of conditions. The Bio-Mega concentrated powder contains a diverse blend of beneficial microorganisms and plant-derived substances which act as phyto-elicitors. The result is more efficient use of fertilizer materials and optimum plant health. The microbes in this formulation are stabilized and shipped in spore form, ensuring long-term stability and extended shelf-life. Bio-Mega has a shelf-life of 2 years when stored under ambient conditions.



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TECHNICAL DATA

Dosage For Turfgrass Applications:

GREENS AND TEES:

- **Preventative:** Apply 1 lb./acre monthly during the growing season.
- **Restorative:** Apply 1-2 lbs./acre at 10-14 day intervals during the growing season.

FAIRWAYS/SPORTS FIELDS:

- Apply 1 lb./acre monthly during the growing season.



Directions for Use:

Mix the dry powder with 60-100 gallons of water per acre. Agitate the mixture thoroughly to keep the product in suspension for uniform spray coverage. Spray the mixture to the point of dripping on the target plant foliar surface. Water in (irrigate) after application. Spray with pressure at the nozzle greater than 25 lbs. p.s.i. Bio-Mega has the consistency of lime or talc and will pass a standard 60 mesh screen. Bio-Mega should not be mixed with chlorinated water. Use de-chlorinator provided.

Non-Plant Food Ingredients:

Quillaja saponaria (Soap Bark extract) 18.75%; Beneficial rhizobacteria (*Bacillus*, *Escherichia*, and *Pseudomonas* species) 0.48%; Fermentation by-products 0.77%; Dried cyanophyta and chlorophyta 1.08%; Soluble seaweed extract (*Ascophyllum nodosum*) 6.25%; Saprophytic fungi [food-grade] (*Trichoderma harzianum*, *Trichoderma koningii*, *Trichoderma viride*, *Trichoderma longibrachiatum*, *Aspergillus oryzae*, *Aspergillus niger*) 20.25%; Endo-mycorrhizae (*Glomus mosseae*, *Glomus intradices*, *Glomus aggregatum*, *Glomus etunicatum*) 7.12%; Leonardite extract 6.25%; Amino acids [L-lysine-HCl food-grade] 6.25%; Enzymes 4.75%; Micronized volcanic rock powder 22.75%; Kaolin and Montmorillonite clay (inert) 4.70%, ascorbic acid (food-grade) 0.60%.