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## *Specifications*

# DIEHARD™ TURF

### Part 1: General Description

DIEHARD™ Turf is formulated to be used as a soil amendment treatment for establishing turf root systems with live beneficial mycorrhizal fungi. A mycorrhizal root system is one that will uptake more water and nutrients than a non-mycorrhizal system. DIEHARD™ Turf contains highly selected strains of low host specificity endomycorrhizae fungi that will quickly colonize the roots to provide the best possible conditions for the roots to become associated with mycorrhiza. The mycorrhizal inoculants are combined with humic acids, beneficial bacteria, soluble sea kelp, and yucca plant extracts, to promote rapid root development.

### Part 2: Ingredients

Endomycorrhizal	7 Propagules per cubic centimeter: <i>Glomus mosseae</i> (1.72), <i>Glomus intraradices</i> (1.72), <i>Glomus fasciculatum</i> (1.72), <i>Glomus dussii</i> (.86), <i>Glomus clarum</i> (.86) <i>Glomus deserticola</i> (.86), <i>Glomus microagregatum</i> (.86).
<i>Trichoderma</i>	6,200 CFU's per cubic centimeter: <i>Genus Trichoderma</i> (6 species), <i>Gliocladium virens</i> (2 strains), <i>Trichoderma harzianum</i> (2 strains), <i>Trichoderma viride</i> (2 strains).
Nitrogen Fixing, Phosphate solubilizing and Growth Promoting Bacteria.	850,000 CFU's per cubic centimeter: <i>Genus Bacillus</i> (32 species.), <i>Genus Pseudomonas</i> (2 species.), <i>Genus Streptomyces</i> (2 species.).
Humic Acid	1% derived from <i>Leonardite</i>
Sea Kelp Extract	1% <i>Ascophylum nodosum</i>
Yucca Plant Extract	1% <i>Yucca schidigera</i>
Root Promoting Vitamins	B, B2, B3, B6, B7, B12, C, K, Biotin, Folic Acid
Amino Acids (Protein)	Animal and Plant Proteins
Horta-Sorb® MD Water Gel Particle Size Percent Soluble Absorption Rate	67% Acrylamide copolymer 1.0 mm to 2.0 mm, maximum 5 % < 1.0 mm Less than 5 % 300 - 400 times in distilled water

### Part 3: Application

Apply with a drop spreader at the rate of 3/4 pounds per 100 square feet. Lay sod and water. For seeding and sprigging work into the top 2 inches of ground.

### Part 4: Execution

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*Technology Based* \* *Service Lead* \* *Customer Driven*



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Use in strict accordance with supplier's instructions and recommendations.

### **Part 5: Manufacturer's Service**

At the request of Landscape Architect provide the services of a qualified technical representative to instruct the user in proper mixing and handling of the product.

### **Part 6: Verification of Use**

At the request of the Landscape Architect excavation of random plots of up to 1% of planted materials. Landscape Architect may require receipts for supplies purchased. Additionally Landscape Architect may require submittal of all empty bags of supplies purchased. Landscape Architect shall require alternative procedures if product has not been used based upon manufacturer's recommendations.

## **END OF SECTION**

### **Free Services Provided to Specifiers**

- We do a take off for you - fax your plant list to us and we will do a take off and fax back to you the amount of materials required for the job.
- We introduce your contractors to our products - give us a list of your contractors and we will introduce, educate and provide them with installation information and list of materials for the job.
- With toll-free phone (800-628-6373) and fax lines (888-386-4478) we are at your service at a moments notice.
- We provide verification to you that the contractor has purchased products – just ask and we will track this and provide you the information.