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## *Specifications*

# DIEHARD™ FLOWER BED

### Part 1: Product Description

All Flower Beds shall be amended with live beneficial mycorrhizal fungi when planting. Product shall contain highly selected endomycorrhizal fungi that will quickly colonize the roots of flowering plants to provide the best possible conditions for the roots to grow and extract from the root zone water and nutrients. The fungi are combined with *Trichoderma*, humic acids, beneficial bacteria, soluble sea kelp, and yucca plant extracts to promote rapid root development. To reduce transplant stress and watering maintenance, and to absorb all soluble components of the formulation, a water management gel is added.

### Part 2: Product Specification

Endomycorrhizal	17 Propagules per cc. <i>Glomus mosseae</i> (3.4), <i>Glomus intraradices</i> (3.4), <i>Glomus fasciculatum</i> (3.4), <i>Glomus dussii</i> (1.7), <i>Glomus clarum</i> (1.7), <i>Glomus deserticola</i> (1.7), <i>Glomus microaggregatum</i> (1.7).
Nitrogen Fixing, Phosphate solubilizing, and Growth Promoting Bacteria.	1 million CFU's per cc to include: <i>Genus Bacillus</i> (32 species), <i>Genus Pseudomonas</i> (2 species), <i>Genus Streptomyces</i> (2 species).
<i>Trichoderma</i>	8,200 CFU's per cc to include: <i>Genus Trichoderma</i> (6 species), <i>Trichoderma gliocladium virens</i> (2 strains), <i>Trichoderma harzianum</i> (2 strains), <i>Trichoderma viride</i> (2 strains).
Humic Acid	14% derived from <i>Leonardite</i>
Sea Kelp Extract	33% <i>Ascophylum nodosum</i>
Yucca Plant Extract	1% <i>Yucca schidigera</i>
Root Promoting Vitamins	B, B2, B3, B6, B7, B12, C, K, Biotin, Fulvic Acid
Amino Acids (Protein)	Animal and Plant Proteins
Horta-Sorb® MD Water Gel	Minimum 17 grams per pound cross linked copolymer
Particle Size	1.0 mm to 2.0 mm, maximum 5 % < 1.0 mm
Percent Soluble	Less than 5 %
Absorption Rate	300 - 400 times in distilled water

\*Note - Bacteria are measured in colony forming unit's (CFU's)



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### **Part 3: Application**

Product is to be mixed thoroughly into the first 3" to 6" of soil at the rate of 3 pounds per 100 square feet.

### **Part 4: Execution**

Use in accordance with approved submittal for each type of planting required in strict accordance with supplier's instructions and recommendations.

### **Part 6: Manufacturer's Service**

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

### **Part 7: Verification of Use**

At the request of the specifier excavation of random plots of up to 1% of planted materials. Specifier shall require alternative procedures if product has not been used.

## **END OF SECTION**

### **Free Of Charge 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 and fax lines we are at your service at a moments notice.
- We can provide verification to you that the contractor has purchased products.