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Specifications

DIEHARD™ HydroClaim™

Part 1: Product Description

All hydromulch vegetation projects shall include endomycorrhizae fungi to inoculate the roots of germinating seeds with natural organisms found in the floor of healthy forests and rangelands for quickest possible establishment in the harshest of environments. Thousands of research studies confirm that mycorrhizal roots establish faster and are more likely to mature those non-mycorrhizal roots. Product shall also contain diverse strains of endomycorrhizae, a bacteria package of 36 species of Bacillus, Pseudomonas, and Streptomyces, and a water absorbent super absorbent gel to "energize" the microbes, enhance microflora conditions in the soil.

Part 2: Product Specification

Endomycorrhizal Fungi	77 Propagules per gram. Glomus mosseae, Glomus intraradices, Glomus claroideum, Glomus etunicatum, Glomus clarum, Glomus deserticola, Glomus microaggregatum.
Bacillus, Pseudomonas & Streptomyces Species.	893,229,075 CFU's per gram to include: Genus Bacillus: B. megaterium, B. subtilis, B. amyloliquefaciens, B. azotoformans, B. licheniformis, B. pumilus, B. Firmus, B. coagulans, Geobacillus stearothermophilus, and Paenibacillus polymyxa, Paenibacillus Durum. Genus Pseudomonas: P. putida, P. fluorescence, P. Aureofaceans. Genus Streptomyces: S. lydicus, S. griseus, S. coelicolor.
Trichoderma	799,559 CFU's per gram to include: Genus Trichoderma: Trichoderma hamatum, Trichoderma harzianum, Trichoderma viride, Trichoderma reesei.
Humic Acid	19% derived from <i>Leonardite</i>
Sea Kelp Extract	7% <i>Ascophyllum nodosum</i>
Yucca Plant Extract	20% <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® SM Water Gel	25% Acrylamide copolymer
Particle Size	0.3 mm to 0.8 mm, maximum 5 % <0.3 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 shall be added to hydromulch tanks after seed, fertilizer and ½ the mulch at the rate of 10 pounds per acre. Avoid the use of high phosphorus fertilizers. Application is a two-fold approach with 1/2 the mulch applied with the product followed by the addition of the other 1/2 half over the top of the initial application. This technique will insulate the microbes of bacteria and Trichoderma and mycorrhizae from heat and ultraviolet damage. Avoid application when temperatures are likely to exceed 120 degrees for periods of 4 hours, or more.

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

Receipts of purchases shall be presented for verification of use.

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.