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Specifications

DIEHARD™ ADVANTAGE

Part 1: General Description

DIEHARD™ ADVANTAGE is made up of dozens of ingredients that boost the health of plants of all types. These ingredients include mycorrhizal fungi, biostimulants of humic acid, sea kelp, yucca, beneficial bacteria, amino acid, and root promoting vitamins and a just the right amount of a horticultural grade gel to absorb solubles and keep them in the root zone and available to plants. The product should be used in all foundation plantings, flower beds and planting soils. Used with turf the product is simply broadcast before planting and as a soil amendment for potting and propagation mixes. All-in-all the products applications are universal for all plantings and existing landscape, orchard, groves, vineyard and managed crops including propagation and potting mixes.

Part 2: Ingredients: Product shall include specifically:

GUARANTEED ANALYSIS

Endomycorrhizal Fungi	22 spores per gram <i>Glomus mosseae</i> , <i>Glomus intraradices</i> , <i>Glomus claroideum</i> , <i>Glomus etunicatum</i> , <i>Glomus clarum</i> , <i>Glomus deserticola</i> , and <i>Glomus microaggregatum</i> .
Bacillus, Pseudomonas & Streptomyces Species	54,479,921 CFU's per gram Genus Bacillus: <i>B. megaterium</i> , <i>B. subtilis</i> , <i>B. amyloliquefaciens</i> , <i>B. azotofirmans</i> , <i>B. licheniformis</i> , <i>B. pumilus</i> , <i>B. Firmus</i> , <i>B. coagulans</i> , <i>Geobacillus stearothermophilus</i> , and <i>Paenibacillus polymyxa</i> . Genus Pseudomonas: <i>P. putida</i> , <i>P. fluorescens</i> , <i>P. aureofaciens</i> , <i>P. Durum</i> . Genus Streptomyces: <i>S. lydicus</i> , <i>S. griseus</i> , <i>S. coelicolor</i> .
<i>Trichoderma</i>	27,185 CFU's per gram Genus <i>Trichoderma</i> : <i>Trichoderma hamatum</i> , <i>Trichoderma harzianum</i> , <i>Trichoderma viride</i> , <i>Trichoderma reesei</i> .
Humic Acids	24% derived from Leonardite
Sea Kelp Extract	10% <i>Ascophyllum nodosum</i>
Yucca Plant Extract	4% <i>Yucca schidigera</i>
Horta-Sorb® MD Water Gel	Minimum 29% copolymer
Particle Size	1.0 mm to 2.0 mm.
Percent Soluble	0.05%
Absorption Rate	300-400 times in distilled water.

OTHER INGREDIENTS

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



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Root Promoting Vitamin	B, B2, B3, B6, B7, B12, C, K, Biotin, Fulvic Acid.
Amino Acids	Animal and plant proteins

Use of Product

Use when planting trees, shrubs, and bushes. Mix product in the top one third of planting hole making sure product is in contact with the roots. Contents include live organisms. Avoid letting product remain on top of the ground exposed to sunlight for an extended period. Rates: (1) Stand alone application - 2 oz. per plant. (2) Used with DIEHARD oz. er plant.

Part 4: Execution

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



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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

Landscape Architect shall determine, or alternatively require the Contractor to determine and submit to the Landscape Architect, how much materials are required on each job by using the INTERACTIVE SPECIFICATION sheet on the web at www.horticulturalalliance.com/spec.1.htm, or by providing manufacturer with plant list, in which case the manufacturer will do the take-off and provide volume requirements to the Landscape Architect and the Contractor. Landscape Architect shall require receipts for materials purchased to verify use. Additionally, Landscape Architect may require submittal of all empty product bags of materials purchased. At the request of the Landscape Architect excavation of random plots of up to 5% of planted materials. Landscape Architect shall require alternative procedures if product has not been used based upon manufacturer's recommendations.

END OF SECTION



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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.