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Specifications

DIEHARD™ PALM TRANSPLANT

Part 1: Product Description

All palms shall be treated when planting with an inoculum of live beneficial mycorrhizal fungi to promote new feeder root and mycorrhizal development on newly planted palms. The inoculum shall contain highly selected endomycorrhizal fungi that will quickly colonize the roots of palms to provide the best possible conditions for the roots to grow and extract from the root zone water and nutrients. The mycorrhizal fungi shall be combined with humic acids, biostimulants, beneficial bacteria, soluble sea kelp, yucca plant extracts, fulvic acid, nitrogen, phosphorous, potassium, and chelated magnesium, manganese, iron and zinc, to promote rapid root development.

Part 2: Product Specification

GUARANTEED NUTRIENT ANALYSIS 4-2-4

Total Nitrogen (N)	4%
0.9% Other Water Soluble Nitrogen and /or Urea Nitrogen	
1.4% Water Soluble Nitrogen	
1.7% Water Insoluble Nitrogen	
Available Phosphate (P205)	2%
Soluble Potash (K20)	4%
Total Magnesium (Mg)	2%
2.0% Water Soluble Magnesium (Mg)	
Total Manganese (Mn)	3%
3.0% Water Soluble Manganese (Mn)	
Total Zinc (Zn)	1%
1 % Soluble Zinc (Zn)	
Derived from Kelp (Ascophyllum Nodosum), Manganese Sulfate, Zinc Sulfate, Iron Sulfate, Magnesium Sulfate, Superphosphate, Urea, And Potassium Sulfate.	



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Part 1: Ingredients

NONPLANT FOOD INGREDIENTS

Endomycorrhizal Fungi	7 propagules per gram Glomus mosseae, Glomus intraradices, Glomus fasciculatum, Glomus dussii, Glomus clarum, Glomus deserticola, Glomus microaggregatum.
Bacillus, Pseudomonas & Streptomyces Species	22,269,868 CFU's per gram 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	15,991 CFU's per gram Genus Trichoderma: Trichoderma hamatum, Trichoderma harzianum, Trichoderma viride, Trichoderma reesei.
Root Promoting Vitamin	Biotin, Folic Acid, B, B2, B3, B6, B7, B12, C and K
Amino Acids (Protein)	Animal and Plant Proteins
Root Promoting Vitamins	B, B2, B3, B5, B6, B7, B9, B12, C, K, Biotin
Additional Microbials	Purines, Pyrimidines, Fulvic Acid
3% Humic Acid Derived from Leonardite	
2% Sea Kelp Extract (<i>Ascophyllum nodosum</i>)	
1% Yucca Plant Extract (<i>Yucca schidigera</i>)	
27% Co-polymer (Crossed linked acrylamide and potassium acrylate)	

Part 2: Application

Incorporate evenly with backfill along the sides of the planting pit adjacent to root ball in the upper 10-12 inches of the planting hole according to the diameter of the root ball:

- 2 ft. or less1 bag
- 3 ft.....2 bags
- 4 ft.....3 bags
- 6 ft.....8 bags
- 8 ft.....12 bags

Part 3: Execution

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

Part 4: Manufacturer's Service

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*Technology Based * Service Lead * Customer Driven*



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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 5: Verification of Use

At the request of the specifier excavation of random plots of up to 1% of planted materials.



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Part 7: Alternative Procedures

If it has been determined that product has not been used contractor shall immediately apply both a vertimulch application with product and a deep soil injection with an appropriate injection product containing endomycorrhizae and yucca extracts.

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