



Endomycorrhizal Palm Tree Inoculant **DIEHARD™ Palm Transplant**



“The Industry's First Complete Palm Transplant Inoculant”

DIEHARD™ Palm Transplant is formulated as a preparation to inoculate the roots of palm trees with live beneficial mycorrhizal fungi when planting to promote new feeder root and mycorrhizal development on newly planted palms. It contains 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 are 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. DIEHARD™ Palm Transplant is packaged in 8 oz. bags that will treat a 10 - 12 foot palm.

Directions For Use

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

Product Benefits

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| <p>IMPROVES</p> <ul style="list-style-type: none"> Survival Rooting Flowering Water Absorption Nutrient Availability Yields and Production Client Satisfaction & Goodwill | <p>REDUCES</p> <ul style="list-style-type: none"> Plant Losses Fertilizer Use Need Of Pesticides Heat Stress Damage Irrigation Frequency Losses From Drought Conditions |
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GUARANTEED NUTRIENT ANALYSIS 3-1-3

Total Nitrogen (N)	6%
1.3% Urea Nitrogen	
2.1% Water Soluble Nitrogen	
2.6% Water Insoluble Nitrogen	
Available Phosphate (P2O5)	1%
Soluble Potash (K2O).....	3%
Total Magnesium (Mg)	2%
2.0% Water Soluble Magnesium (Mg)	
Total Manganese (Mn).....	4%
4.0% Water Soluble Manganese (Mn)	
Total Zinc (Zn)	1.5%
1.5% Soluble Zinc (Zn)	
Total Iron (Fe).....	1%
1% Soluble Iron as (Fe)	
Derived from KELP (<i>Ascophyllum Nodosum</i>), Manganese Sulfate, Zinc Sulfate, Iron Sulfate, Magnesium Sulfate, Superphosphate, Urea, and Potassium Sulfate.	

Also contains NONPLANT FOOD INGREDIENTS:

Endomycorrhizal Fungi	5.0 Propagules per cubic centimeter <i>Glomus mosseae</i> (1.0), <i>Glomus intraradices</i> (1.0), <i>Glomus fasciculatum</i> (1.0), <i>Glomus dussii</i> (0.5), <i>Glomus clarum</i> (0.5), <i>Glomus deserticola</i> (0.5), <i>Glomus microaggregatum</i> (0.5).
Nitrogen Fixing, Phosphate Solubilizing and Growth Promoting Bacteria.	1,000,000 CFU's per cc to include GENUS BACILLUS: <i>Bacillus amyloliquefaciens</i> , <i>Bacillus azotoformans</i> , <i>Bacillus polymyxa</i> , <i>Bacillus licheniformis</i> , <i>Bacillus pumulis</i> , <i>Bacillus subtilis</i> , <i>Bacillus megaterium</i> GENUS PSUEDOMONAS: <i>Pseudomonas fluorescence</i> , <i>Pseudomonas putida</i> , <i>Pseudomonas aureofaceans</i> , <i>Pseudomonas durum</i> GENUS STREPTOMYCES <i>Streptomyces lydicus</i> , <i>Streptomyces griseus</i> , <i>Streptomyces coelicolor</i>
<i>Trichoderma</i>	72,000 CFU's per cc GENUS TRICHODERMA <i>Gliocladium hamatum</i> , <i>Trichoderma harzianum</i> , <i>Trichoderma viride</i> , <i>Trichoderma reesei</i> .
Root Promoting Vitamin	B, B2, B3, B6, B7, B12, C, K, Biotin, Fulvic Acid.
Amino Acids (Protein)	Animal and plant proteins
2% Humic Acid Derived from <i>Leonardite</i> 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)	