



# Sod Grass Pallet Pack

## Soil Amendment - Root Stimulant

DIEHARD™ Sod Grass Pallet Pak is formulated to be used as a soil amendment treatment for establishing turf grass root systems with live beneficial mycorrhizal fungi. A mycorrhizal root system is one that will uptake more water and nutrients than a non-mycorrhizal system. DIEHARD™ Sod Grass Pallet Pak contains humic acids, beneficial bacteria, soluble sea kelp, yucca plant extracts, and Horta-Sorb® to reduce water maintenance and promote rapid root development.

### Product Benefits

#### IMPROVES

Survival  
Rooting  
Water Absorption  
Nutrient Availability

#### REDUCES

Fertilizer Use  
Need Of Pesticides  
Heat Stress Damage  
Browning

### Directions For Use

Broadcast or spread at the rate of 3 pounds up to 500 square feet. Lay sod, water in and roll as usual.

### Compatibility

**Species:** All grasses.

**Fungicides:** Non-systemic fungicides normally have no effect. Foliar applied fungicides normally have no effect. Systemic fungicides may be applied 2 weeks before or after use of product. Fungicide use according to label instructions do not extinguish mycorrhizae, they only inhibit development for a short period of time.

### Non Plant Food Ingredients

<i>Endomycorrhizal Fungi</i>	Endomycorrhizal Fungi.....0.28 spores/gram Funneliformis mosseae 0.06 spores/gram Rhizophagus intraradices 0.06 spores/gram Rhizophagus fasciculatus 0.06 spores/gram Glomus dussii 0.03 spores/gram Rhizophagus clarus 0.03 spores/gram Septoglomus deserticola 0.03 spores/gram Glomus microaggregatum 0.03 spores/gram
<i>Horta-Sorb® MD Water Gel</i>	60% acrylamide copolymer/ Potassium Acrylate
<i>Humic Acids</i>	2% Derived from Leonardite
<i>Yucca Extract</i>	1% <i>Yucca schidigera</i>
<i>Kelp Extract</i>	1% <i>Ascophyllum nodosum</i>
<i>Trichoderma</i>	<b>Trichoderma.....39,978 cfu/g</b> Trichoderma reesei 13,326 cfu/g Trichoderma hamatum 13,326 cfu/g Trichoderma harzianum 13,326 cfu/g
<i>Bacillus, Pseudomonas, Streptomyces &amp; Paenibacillus species</i>	<b>Bacillus.....559,031 cfu/g</b> Bacillus firmus 49,559 cfu/g Bacillus amyloliquefaciens 49,559 cfu/g Bacillus subtilis 49,559 cfu/g Bacillus licheniformis 49,559 cfu/g Bacillus megaterium 49,559 cfu/g Bacillus pumilus 49,559 cfu/g Bacillus azotofomans 49,559 cfu/g Bacillus coagulans 49,559 cfu/g Paenibacillus polymyxa 49,559 cfu/g Paenibacillus durum 49,559 cfu/g Pseudomonas aureofaciens 9,912 cfu/g Pseudomonas fluorescens 10,903 cfu/g Pseudomonas putida 10,903 cfu/g Streptomyces coelicolor 10,903 cfu/g Streptomyces lydicus 9,912 cfu/g Streptomyces griseus 10,903 cfu/g

### Storage & Handling

Store in a cool, dry place. Avoid high temperatures and direct sunlight. Product shelf life is up to 24 months.

### Health & Safety

**Inhalation** If dusty conditions exist wear a dust mask.

**Ingestion** Drink large amounts of water, induce vomiting, and seek medical attention.

**Eyes Safety** Flush with large amounts of water.  
Product becomes very slippery when wet.



## Energize Nature!



## Soil Amendments - Root Inoculants

### TRANSPLANT

This is a complete transplant preparation to inoculate landscape trees and shrubs with live beneficial mycorrhizal fungi, "energize" the soil, and provide natural nutrients to trees and shrubs when planting. Contains live spores of endo and ectomycorrhizae combined with humic acids, nitrogen fixing, phosphate solubilizing and growth promoting beneficial bacteria, sea kelp, vitamins, natural wetting agent and stimulants from yucca plant extracts, humic acid, and Horta-Sorb® MD.

### PALM TRANSPALNT

Endomycorrhizae, stimulants, beneficial bacteria, plus all the "goodies" for palms. Formulated by some of the top palm experts in the country.

### INJECTABLES

Endo and Ectomycorrhizae, stimulants, beneficial bacteria, soluble sea kelp, yucca plant extracts, *Trichoderma*, and a slight amount of Horta-Sorb® SM gel to slow release all soluble components of the formulation. Available with endo and ecto or ectomycorrhizae alone.

**ECOVAM®**

Endo & Ecto Mycorrhizae

Endo and ectomycorrhizae, stimulants, beneficial bacteria, plus a light portion of Horta-Sorb® MD to slow release the soluble components of the formulation. For use as a vertimulch application for trees and shrubs in decline and as a soil amendment for plantings, turf, and propagation mixes.

**BIORUSH®**

Biostimulants

Dry, wettable powder root growth stimulant containing humic acid extracts, soluble sea kelp, yucca plant extracts, amino acids and nitrogen fixing, phosphate solubilizing and growth promoting bacteria to "energize" the microbial activity in the ground and promote cell division and lateral bud development as well as delay the aging process of plant tissue.



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