

FOR HYDROMULCH RECLAMATION

DIEHARD™ HydroClaim™ M



“The Industry's Foremost Biological Reclamation Compound”

DIEHARD™ HydroClaim™ M is formulated with live beneficial Endomycorrhizal 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 than non-mycorrhizal roots. DIEHARD™ HydroClaim™ M also contains a bacteria package of 800,000 CFU's per gram of *Bacillus*, *Pseudomonas*, and *Streptomyces* to "energize" the microbes, enhance micro-flora and condition the soil.

Product Benefits

IMPROVES

Improves Germination Rooting Water Absorption Nutrient Availability Improves soil cover faster

REDUCES

Plant Losses Fertilizer Use Need Of Pesticides Heat Stress Damage Irrigation Frequency Losses From Drought Conditions

Directions For Use

Mix DIEHARD™ HydroClaim™ M into hydromulch tanks after seed, mulch, and fertilizer has been used at the rate of 10 pounds per acre. For best results avoid the use of high phosphorus fertilizers. The best method of 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. Applications during periods when temperatures are likely to exceed 120 degrees for periods of 4 hours, or more, should be rescheduled.

Storage & Handling

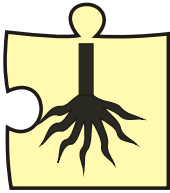
Store in a cool, dry place. Avoid high temperatures and direct sunlight. Product shelf life is up to 18 months.

Non Plant Food Ingredient

Endomycorrhizal Fungi	77 Propagules per gram <i>Funneliformis mosseae</i> , <i>Rhizophagus intraradices</i> , <i>Rhizophagus fasciculatus</i> , <i>Glomus dussii</i> , <i>Rhizophagus clarus</i> , <i>Septoglomus deserticola</i> , <i>Glomus microaggregatum</i> .
Humic Acids	19% Derived from <i>Leonardite</i>
Soluble Sea Kelp Extract	7% <i>Ascophyllum nodosum</i>
Soluble Yucca Extract	20% <i>Yucca schidigera</i>
Fulvic Acid	Plant-derived mineral
<i>Trichoderma</i>	799,559 CFU's per gram to include: <i>Trichoderma hamatum</i> , <i>Trichoderma harzianum</i> , <i>Trichoderma reesei</i> .
<i>Bacillus</i> , <i>Pseudomonas</i> & <i>Streptomyces</i> Species	893,229,075 CFU's per gram to include: Genus Bacillus: <i>B. megaterium</i> , <i>B. subtilis</i> , <i>B. amyloliquefaciens</i> , <i>B. azotoformans</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> , <i>Paenibacillus Durum</i> . Genus Pseudomonas: <i>P. putida</i> , <i>P. fluorescences</i> , <i>P. Aureofaciens</i> . Genus Streptomyces: <i>S. lydicus</i> , <i>S. griseus</i> , <i>S. coelicolor</i> .
Root Promoting Vitamin	B, B2, B3, B6, B7, B12, C, K, Biotin, Fulvic Acid
Super Absorbent Gel	25% Acrylamide copolymer
Amino Acids	<i>L-Alanine</i> , <i>L-Argine</i> , <i>L-Aspartic Acid</i> , <i>L-Cystine</i> , <i>L-Glutamic Acid</i> , <i>L-Glycine</i> , <i>L-Histidine</i> , <i>L-Isoleucine</i> , <i>L-Leucine</i> , <i>L-Lysine</i> , <i>L-Methionine</i> , <i>L-Phenylalanine</i> , <i>L-Proline</i> , <i>L-Threonine</i> , <i>L-Serine</i> , <i>L-Tryptophan</i> , <i>L-Tyrosine</i> , <i>L-Valine</i> .

Contents Provide

- * 10 endomycorrhizal infective propagules per sq. ft.
- * 2.8 Million CFU's beneficial bacteria per sq. ft.
- * 2/3 lb. Soluble sea kelp per acre.
- * 1.8 lbs. Soluble humic acid per acre.
- * 1.8 lbs. Minor element package per acre.



FOR NURSERY/GREENHOUSE/FIELD

DIEHARD™ HydroClaim™



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Health & Safety

- Inhalation If dusty conditions exist, wear a dust mask.
- Ingestion Drink large amounts of water, induce vomiting, and seek medical attention.
- Eyes Flush with large amounts of water.
- Safety Product becomes very slippery when wet.

Compatibility

Species: All grasses, plants, and shrubs. Rhododendrons, Azaleas, Heather, Blueberries, and Laurels associate with ericoid mycorrhiza but are compatible with ingredients contained in this product.

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.

Limited Warranty: All information contained herein is offered in good faith. There are no warranties of merchantability of fitness for a particular purpose which extend beyond the information contained herein. Our liability is limited to replacement of any product which does not meet these specifications.

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