

DIEH RD TM Injectable



HORTICULTURAL

"The Industry's First Complete Injectable Inoculant"

Product Features

Endomycorrhizal Fungi Beneficial Bacteria Humic Acid Sea Kelp Amino Acids

Horta-Sorb® Water Management Gel

Trichoderma

Yucca Plant Extracts Vitamin B Complex Lasting Residual

Convenient Pre-Measured Bags

Product Benefits

IMPROVES

Survival
Rooting
Flowering
Water Absorption
Nutrient Availability
Yields and Production
Client Satisfaction
& Goodwill

REDUCES

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

Compatibility

Species: All plants that associate with endo- and ectomycorrhizal fungi.

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 mycorrhiza, they only inhibit development temporarily.

Non Plant Food Ingredients

Endomycorrhizal Fungi	278 Propagules per gram Glomus mosseae, Glomus intraradices, Glomus claroideum, Glomus etunicatum, Glomus clarum, Glomus deserticola, Glomus microaggregatum.			
Ectomycorrhizal Fungi	14,537,445 spores per gram to include: <i>Pisolithus tinctorius</i> (12,502,203), <i>Rhizopogon</i> (2,035,242).			
Trichoderma	1,599,119 CFU'S per gram Genus Trichoderma: (6 strains, 2 each) Trichoderma hamatum, Trichoderma harzianum, Trichoderma reesei.			
Bacillus, Pseudomonas & Streptomyces Species	464,317,181 CFU's per gram Genus Bacillus: B. megaterium, B. subtilla, B. amyloliquefaciens, B. azotoformans, B. licheniformis, B. pumulus, 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.			
OTHER INGREDIENTS				
Root Promoting Vitamins	B, B2, B3, B6, B7, B12, C, K, Biotin, Fulvic Acid			
Amino Acids	L-Alanine, L-Argine, L-Aspartic Acid, L- Cystine, L-Glutamic Acid, L-Glycine, L- Histidine, L-Isoleucine, L-Leucine, L- Lysine, L-Methionine, L-Phenylalanine, L- Proline, L-Threonine, L-Serine, L- Tryptophan, L-Tyrosine, L-Valine.			
Soluble Sea Kelp	13.0% Ascophyllum nodosum			
Humic Acids	20.0% Derived from Leonardite			
Sol. Yucca Extract	6.0% Yucca schidigera			

Directions For Use

Mix with 100 gallons of water. Decant, if necessary. **Established Trees:**

- **1. Root Injection:** Inject in a 2 1/2 to 3 foot grid pattern from the trunk out to the drip line and beyond if possible. Apply 1-2 quarts of solution per injection site. Use up solution by the end of the day.
- 2. Drip Tape and Microjet: Decant product before adding to mix tank. Apply at the rate of one pound per acre every six months supplemented every 3 months with BioRush® at two pounds per acre. Irrigate after application.

New Tree Plantings: Mix with water and use as a mud-in drench when planting new trees. One pound treats 175 one-year trees. Mix with water used to transplant accordingly. **Small and newly planted trees and shrubs:** Inject along the original root ball in 2-3 places using minimum 1/2 gallon for recently planted trees.



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Nursery Propagation Drench: Each 8 oz. bag treats 5,000 seedlings. Best application method is a 2-step process. Apply 1-2 weeks after sowing just as roots have developed to the sides of cells. Mix with sufficient water to apply as a drench with a backpack sprayer. Care should be taken to ensure that spores applied are drenched into the media to the level of the roots. Second application just as you are hardening off the crop for shipment. One week before and one week after avoid use of phosphate fertilizers. Avoid the use of high phosphorus fertilizer as this treatment would have a negative effect on Endomycorrhizal colonization. Organic nitrogen fertilizers are recommended.

Plant Species and Type of Mycorrhizae

Endomycorrhizae

Arborvitae Acacia Agapanthus Ailanthus Alder Alfalfa Almond Apple Apricot Artichoke Ash Asparagus Avocado Bamboo Basil Bayberry Bean Begonia Black Locust Blackberry Box Elder Buckeye Bulbs Burning Bush Cacao Cactus Camellia Carrot Casuarina Cassava Catalpa Ceanothus	Cedar Celery Cherry Chokeberry Chrysanthemum Citrus (all) Clover Coconut Coffee Coral Tree Corn Cotton Cottonwood Crabapple Cryptomeria Cucumber Currant Cypress Dogwood Eggplant Elm Eucalyptus Euonymus Fern Fescue Fig Forsythia Fountain Grass Fuchsia Gardenia Garlic Geranium	Gingko Grapes (all) Grass Gum Hackberry Hawthorn Hibiscus Holly Hophornbeam Horsechestnut Impatiens Jojoba Juniper Kiwi Leek Lettuce Lily Locust London Planetree Macadamia Magnolia Mahogany Mahonia Mango Maples (all) Marigold Melons (all) Mesquite Millet Mimosa	Morning Glory Mulberry Monkey Pod Nasturtium Okra Olive Onion Pacific Yew Palms (all) Palmetto Pampas Grass Papaya Passion Fruit Paulownia Paw Paw Pea Peach Peanut Pear Pecan Pepper Pistachio Persimmon Pittosporum Plum Poinsettia Potato Poplar Raintree Raphiolepis Raspberry Redbud	Russian Olive Ryegrass Sassafras Sagebrush Serviceberry Sequoia Silverbell Sourwood
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All nut trees except Pecan, Chestnut, and Hazelnut.
All fruit trees, grapevines, grasses and many vegetables
All berries except blueberry, cranberry and lingonberry.
All shrubs and foliage except Laurel, Rhododendron, and Azalea

Ectomycorrhizae

Alder Birch Hemlock Madrone Poplar Hickory Chestnut Aspen Oak Spruce Basswood Chinquapin Larch Pecan Willow Beech Fir Linden Pine

Both Endo and Ectomycorrhizae

Alder Cottonwood Poplar Aspen Eucalyptus Willow

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.

Storage & Handling

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

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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