



DATA SHEET #7

ECTO & ENDO INOCULANT

DIEHARD™ Injectable



“The Industry's First Complete Injectable Inoculant”

Product Features

Endomycorrhiza Fungi

Beneficial Bacteria

Humic Acid

Sea Kelp

Amino Acids

Horta-Sorb® Water Management Gel

Trichoderma Fungi

Yucca Plant Extracts

Vitamin B Complex

Lasting Residual

Convenient Pre-Measured Bags

Non Plant Food Ingredients

Endomycorrhizal	220 Propagules per gram <i>Glomus mosseae</i> (44), <i>Glomus intraradices</i> (44), <i>Glomus fasciculatum</i> (44), <i>Glomus dussii</i> (22), <i>Glomus clarum</i> (22), <i>Glomus deserticola</i> (22), <i>Glomus microaggregatum</i> (22).
Ectomycorrhizal	33,000,000 spores per gram to include: <i>Pisolithus tinctorius</i> (31,000,000), <i>Rhizopogon</i> (4,000,000).
<i>Trichoderma</i>	440,000 Colony forming units per gram to include <i>Genus Trichoderma</i> (6 species), <i>Trichoderma virens</i> (2 strains), <i>Trichoderma harzianum</i> (2 strains), <i>Trichoderma viride</i> (2 strains).
Nitrogen Fixing, Phosphosphate solubilizing and Growth Promoting	60,000,000 Colony forming units per gram of <i>Genus Bacillus</i> (<i>Bacillus subtilis</i> , <i>Bacillus azotofixans</i> , <i>Genus Psuedomonas</i> (<i>Psuedomonas aureofaceans</i>), <i>Genus Streptomyces</i> (<i>Streptomyces lycidas</i> , <i>Streptomyces griseoviridis</i>).

INERT INGREDIENTS

Soluble Sea Kelp Extract	18.0% <i>Ascophyllum nodosum</i>
Humic Acids	26.0% Derived from Leonardite
Soluble Yucca Extract	10.0% <i>Yucca schidigera</i>

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

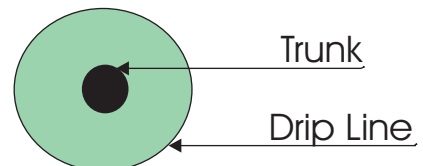
Compatibility

Species: All plants that associate with endomycorrhiza 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.

Directions For Use

Established Trees: 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.



Stress Recovery - Small and newly planted trees and shrubs: Inject along the original root ball every 1-2 feet and on a grid pattern for established trees.



DIEHARD™ Injectable



“Stimulates root growth naturally”

Plant Species and Type of Mycorrhizae

Endomycorrhizae

Arborvitae	Cedar	Ginkgo	Morning Glory	Rose
Acacia	Celery	Grapes (all)	Mulberry	Russian Olive
Agapanthus	Cherry	Grass	Monkey Pod	Ryegrass
Ailanthus	Chokeberry	Gum	Nasturtium	Sassafras
Alder	Chrysanthemum	Hackberry	Okra	Sagebrush
Alfalfa	Citrus (all)	Hawthorn	Olive	Serviceberry
Almond	Clover	Hibiscus	Onion	Sequoia
Apple	Coconut	Holly	Pacific Yew	Silverbell
Apricot	Coffee	Hophornbeam	Palms (all)	Sourwood
Artichoke	Coral Tree	Hombear	Palmetto	Soybean
Ash	Corn	Horsechestnut	Pampas Grass	Squash
Asparagus	Cotton	Impatiens	Papaya	Strawberry
Avocado	Cottonwood	Jojoba	Passion Fruit	Sudan Grass
Bamboo	Crabapple	Juniper	Paulownia	Sugar Cane
Basil	Cryptomeria	Kiwi	Paw Paw	Sumac
Bayberry	Cucumber	Leek	Pea	Sunflower
Bean	Currant	Lettuce	Peach	Sweet Gum
Begonia	Cypress	Lily	Peanut	Sweet potato
Black Locust	Dogwood	Locust	Pear	Sycamore
Blackberry	Eggplant	London	Pecan	Tea
Box Elder	Elm	Planetree	Pepper	Tobacco
Buckeye	Eucalyptus	Macadamia	Pistachio	Tomato
Bulbs	Euonymus	Magnolia	Persimmon	Tree-of-heaven
Burning Bush	Fern	Mahogany	Pittosporum	Tupelo
Cacao	Fescue	Mahonia	Plum	Walnut
Cactus	Fig	Mango	Poinsettia	Wheat
Camellia	Forsythia	Maples (all)	Potato	Willow
Carrot	Fountain Grass	Marigold	Poplar	Yam
Casuarina	Fuchsia	Melons (all)	Raintree	Yellow poplar
Cassava	Gardenia	Mesquite	Raphiolepis	Yucca
Catalpa	Garlic	Millet	Raspberry	
Ceanothus	Geranium	Mimosa	Redbud	

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
Aspen	Chestnut	Hickory	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.

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.

DIEHARD™ Inoculants

DIEHARD™ Transplant

- For trees and shrubs

DIEHARD™ Palm

- For palms maintenance

DIEHARD™ Palm Transplant

- For transplanting palms

DIEHARD™ Root Reviver

- For established and newly transplanted trees and shrubs

DIEHARD™ Root Dips

- Ecto and endomycorrhizae for bare root treatment

DIEHARD™ Ecto Root Dip

- For ecto specific plant species such as Oaks, Poplar, and Pines

DIEHARD™ Ecto Injectable

- For ecto specific plant species such as Oaks, Poplar, and Pines

DIEHARD™ BioRush™

-Dry, soluble, biostimulants and beneficial bacteria

DIEHARD™ BioRush™ Fe

-Dry, soluble chelated iron, biostimulants, and beneficial bacteria

DIEHARD™ BioRush™ Plus

- Dry, soluble 3-0-20 biostimulant, and beneficial bacteria

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