

ENDOMYCORRHIZAL INOCULANT

**DIEHARD™**

**Solu-Boost™**



*“The Industry's First Complete Soluble Inoculant”*

## Product Features

**Soluble**  
**Jump-Starts Mother Nature**  
**One-Time Application**  
**Endomycorrhizal Fungi**  
**Beneficial Bacteria**  
*Trichoderma*  
**Sea Kelp Extract**  
**Yucca Plant Extract**  
**Humic Acids**  
**Root Promoting Vitamins**  
**Amino Acids**

## Product Benefits

<b>IMPROVES</b>	<b>REDUCES</b>
<b>Survivability</b>	<b>Mortality</b>
<b>Overall Plant Health</b>	<b>Fertilizer Cost</b>
<b>New Root Growth</b>	<b>Pesticides Usage</b>
<b>Flowering</b>	<b>Heat Stress Damage</b>
<b>Water Absorption</b>	<b>Irrigation Frequency</b>
<b>Nutrient Availability</b>	<b>Losses From Drought</b>
<b>Yields and Production</b>	<b>Conditions</b>

## Compatibility

**Species:** All plants that associate with endomycorrhizal 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

<i>Endomycorrhizal Fungi</i>	209 Propagules per gram <i>Glomus mosseae</i> , <i>Glomus intraradices</i> , <i>Glomus claroideum</i> , <i>Glomus etunicatum</i> , <i>Glomus clarum</i> , <i>Glomus deserticola</i> , <i>Glomus microaggregatum</i> .
<i>Trichoderma</i>	1,039,427 CFU'S per gram <i>Genus Trichoderma: Trichoderma hamatum</i> , <i>Trichoderma harzianum</i> , <i>Trichoderma viride</i> , <i>Trichoderma reesei</i> .
<i>Bacillus, Pseudomonas &amp; Streptomyces Species</i>	15,823,348 CFU's per gram <b>Genus Bacillus:</b> <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> . <b>Genus Pseudomonas:</b> <i>P. putida</i> , <i>P. fluorescense</i> , <i>P. Aureofaceans</i> . <b>Genus Streptomyces:</b> <i>S. lydicus</i> , <i>S. griseus</i> , <i>S. coelicolor</i> .
Soluble Sea Kelp	13.0% <i>Ascophyllum nodosum</i>
Humic Acids	20.0% Derived from Leonardite
Soluble Yucca Extract	6.0% <i>Yucca schidigera</i>

## OTHER INGREDIENTS

Root Promoting Vitamin	B, B2, B3, B5, B6, B7, B9, B12, C, K, Biotin
Amino Acids	<i>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</i>
Additional Microbials	Purines, Pyrimidines, Fulvic Acid, Dextrose, Sucrose

## Directions For Use

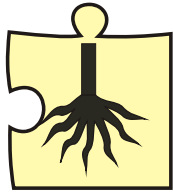
Soluble product. Mix at rate of 1 lb. per 25 - 100 gallons of water. Decant, if necessary.

### Established Trees:

- 1. Root Drench:** Mix with sufficient water and drench at the base of tree. One pound treats 50 trees. Use up solution by the end of the day. Irrigate after application.
- 2. Drip Tape and Microjet:** Apply at the rate of two pounds per acre every six months supplemented each 3 months with DIEHARD™ 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.

- 1. Stand alone application** - 1 lb. treats 165 new trees.
- 2. Used with DIEHARD™ Advantage™** - 1 lb. treats 330 new 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 insure 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.

## 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.

**Distributed by:**