



FOR TREES, SHRUBS, FLOWER BEDS and TURF

DIEHARD™ BIORUSH® PLUS



“Stimulates root growth naturally”

DIEHARD™ BioRush® Plus is a dry, water soluble root growth stimulant with nitrogen fixing, phosphorus solubilizing and growth promoting beneficial bacteria packaged in pre-measured, labeled bags for easy use with tank sprayers. Contains chelated iron, soluble potassium, magnesium, manganese, humic acid, *Trichoderma* fungi, soluble sea kelp, yucca plant extracts, and amino acids 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. Our unique formulation of ingredients also diverse strains of includes beneficial fungi (*Trichoderma*). All these factors are well known to provide major benefit to plants promoting vigorous root growth and enhance the overall general conditions of the plant environment.

Product Benefits

- Root Mass
- Faster Growth
- Improved color
- Stronger Growth
- Activation of Enzymes
- Yields and Production
- Reduced Frost Damage
- Water & Nutrient Absorption
- Improved Plant Performance, especially under stress.

GUARANTEED NUTRIENT ANALYSIS 3-0-11

Total Nitrogen (N)	3%
0.65% Urea Nitrogen	
1.05% Water Soluble Nitrogen	
1.3% Water Insoluble Nitrogen	
Available Phosphate (P2O5)	0%
Soluble Potash (K2O).....	11%
Total Magnesium (Mg)	0.1%
.1% Water Soluble Magnesium (Mg)	
Total Zinc (Zn)	1.5%
1.5% Soluble Zinc (Zn)	
Total Iron (Fe).....	4%
4% DTPA Iron as (Fe)	
Derived from KELP (<i>Ascophyllum Nodosum</i>), Manganese Sulfate, Zinc Sulfate, Iron Sulfate, Manganese Sulfate, Superphosphate, Urea, and Potassium Sulfate.	

Also contains Non Plant Food Ingredients

Soluble Humic Acids	4% Derived from <i>Leonardite</i>
Soluble Yucca Extract	2% <i>Yucca schidigera</i>
Soluble Sea Kelp Extract	5% <i>Ascophyllum nodosum</i>
<i>Trichoderma</i>	1,300,000 CFU's per cc <i>Genus Trichoderma: Trichoderma hamatum, Trichoderma harzianum, Trichoderma reesei.</i>
Phosphorus solubilizing, Nitrogen Fixing and Growth Promoting Bacteria.	19,500,000 CFU's per cc <i>Genus Bacillus: B. megaterium, B. subtilis, B. amyloliquefaciens, B. azotoformans, B. licheniformis, B. pumilus, B. Firmus, B. coagulans, Geobacillus stearothermophilus, and Paenibacillus polymyxa. Genus Pseudomonas: P. putida, P. fluorescense, P. aureofaciens, P. Durum. Genus Streptomyces: S. lydicus, S. griseus, S. coelicolor.</i>
Root Promoting Vitamins	Biotin, Folic Acid, B, B2, B3, B6, B7, B12, C and K.
Soluble Minor Elements	11%

Directions For Use

Product is added to water and used as a foliar spray, topical soil drench or soil injection. Treatments last for up to 6 weeks, depending on the time of year and should be a part of an ongoing preventative maintenance program relating to grounds care. Product can be combined with most fertilizers and pesticides. Add product last to tank and use same day.

Turf: Mix 1 lb. with 50-100 gallons of water per 10,000 sq. ft. and apply as a spray or drench.

Trees/Shrubs: Mix 1 lb. with 50-100 gallons of water per 1,000 sq. ft. and apply as a foliar spray, soil drench, or soil injection.

Flower Beds: Mix 1 lb. with 50-100 gallons of water per 10,000 sq. ft. and apply as a foliar spray or drench.

Sod: Mix 1 lb. with 50-100 gallons of water per 10,000 sq. ft. as a foliar spray or drench.

Hydromulching: Use 4 lbs. per acre mixed with mulch and seed.



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Foliar Applications: Use 1 lb. per 5,000 sq. ft. mixed with water till runoff.

Established Trees: Apply one gallon per inch caliper as a drench within the drip line.

Health & Safety

Inhalation If dusty conditions exist wear a dust mask.

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

Contact Avoid contact with open cuts.

Eyes Flush with large amounts of water.

Safety Product comes very slippery when wet.

Storage & Handling

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

DIEHARD™ Inoculants

DIEHARD™ Transplant

Contains live spores of endo (VA) and ectomycorrhizae (Pt) combined with humic acids, nitrogen fixing, phosphorus solubilizing and growth promoting beneficial bacteria, soluble sea kelp, natural surfactant from yucca plant extracts, and Horta-Sorb® MD. This is a complete transplant preparation to inoculate landscape trees and shrubs with live beneficial mycorrhizae fungi, "energize" the soil, and provide natural nutrients to trees and shrubs when planting.

DIEHARD™ Flower Bed

Endomycorrhizae, beneficial bacteria, plus a light portion of Horta-Sorb® MD to slow release the soluble components of the formulation.

DIEHARD™ BioRush®

A dry, water soluble root growth stimulant with nitrogen fixing, phosphorus solubilizing and growth promoting beneficial bacteria packaged in pre-measured, labeled bags or easy use with tank sprayers. BioRush® contains humic acid extracts, soluble sea kelp, yucca plant extracts, amino acids and natural sugars 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.

DIEHARD™ BioRush® Fe

A dry, water soluble root growth stimulant with chelated iron, nitrogen fixing, phosphorus solubilizing and growth promoting beneficial bacteria packaged in pre-measured, labeled bags or easy use with tank sprayers. BioRush™ Fe contains humic acid extracts, soluble sea kelp, yucca plant extracts, amino acids and natural sugars 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.

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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