



1550 66th Ave. Dr. East
 Sarasota, FL 34243
 800-628-6373
 888-386-4478 Fax
 info@horticulturalalliance.com
 http://www.horticulturalalliance.com

Specifications

DIEHARD™ BioRush® Fe

Part 1: Product Description

DIEHARD™ BioRush® Fe is a dry, water soluble root growth stimulant, fully chelated iron micro nutrient with nitrogen fixing, phosphorus solubilizing and growth promoting beneficial bacteria packaged in pre-measured, labeled bags for easy use with tank sprayers. The product contains humic acid extracts, soluble sea kelp, and essential 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 affect the permeability of cell wall membranes in roots, improve plant respiration, photosynthesis, promote cell division and lateral bud development as well as delay the aging process of plant tissue. All these factors are well known to provide major benefit to plants promoting vigorous root growth and the overall general condition of the plant environment.

Part 2: Product Specification

Soluble Iron	75% Chelated Iron EDTA
Bacillus, Pseudomonas & Streptomyces Species	225,133,040 CFU’s per gram Genus Bacillus: B. megaterium, B. subtilis, B. amyloliquefaciens, B. azotoformans, B. licheniformis, B. pumilus, 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.
Trichoderma	319,824 CFU’s per gram Genus Trichoderma: Trichoderma hamatum, Trichoderma harzianum, Trichoderma viride, Trichoderma reesei
Soluble Humic Acid	2.6% derived from <i>Leonardite</i>
Soluble Yucca Extract	1.0% <i>Yucca schidigera</i>
Soluble Sea Kelp Extract	2.2% <i>Ascophyllum nodosum</i>
Root Promoting Vitamins	Biotin, Folic Acid, B, B2, B3, B6, B7, B12, C and K
Amino Acids (Protein)	Animal and Plant Proteins
Natural Sugars	11% Dextrose

Part 3: Application

Dilute 1 lb. in 50-100 gallon of water and apply to plantings or turf. Use when transplanting and laying sod and as a finishing treatment with flower bed plantings. 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. May be applied with a tank sprayer, garden hose sprayer, drench and as a foliar spray. May be combined with most fertilizers and pesticides.

Turf: Use 1 lb. per 2,500 sq. ft. with 50 gallons of water applied with tank sprayer, or hose end applicator.

Sodding: Use 1 lb. per 2,500 sq. ft. with 25 gallons of water.



1550 66th Ave. Dr. East
Sarasota, FL 34243
800-628-6373
888-386-4478 Fax
info@horticulturalalliance.com
http://www.horticulturalalliance.com

Soil Injection: Use 1 lb. in 50 gallons of water and Inject ½ gallon using a 2 ½ ft. grid pattern 6“- 8” deep.

Hydromulching: Use 4 lbs. per acre. Foliar Applications: Use 1 lb. per 1000 sq. ft. mixed into 50 gallons of water till runoff.

Established Trees: Use 1 lb. per 50 gallons of water. Apply one gallon per inch caliper, 16 oz. per gallon size.

Part 4: Execution

Use in accordance with approved submittal for each type of planting required in strict accordance with supplier's instructions and recommendations.

Part 5: Manufacturer's Service

At the request of specifier provide the services of a qualified technical representative to instruct the user in proper mixing and handling of the product.

Part 6: Verification of Use

Invoices for purchases of product are required. Specifier shall require alternative procedures if product has not been used.

END OF SECTION

Free Of Charge Services Provided to Specifiers

We do a take off for you - fax your plant list to us and we will do a take off and fax back to you the amount of materials required for the job.

We introduce your contractors to our products - give us a list of your contractors and we will introduce, educate and provide them with installation information and list of materials for the job.

With toll-free phones and fax lines we are at your service at a moments notice.

We can provide verification to you that the contractor has purchased products.