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## Specifications

# DIEHARD™ BioRush® Plus

### Part 1: Product Description

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 humic acid extracts, *Trichoderma* pathogen fighting fungi, 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. 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. 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

Bacillus, Pseudomonas & Streptomyces Species	230,001,762 CFU's per gram Genus Bacillus: B. megaterium, B. subtilla, B. amyloliquefaciens, B. azotoformans, B. licheniformis, B. pumulus, B. Firmus, B. coagulans, Geobacillus steaerothermophilus, and Paenibacillus polymyxa, Paenibacillus Durum. Genus Pseudomonas: P. putida, P. fluorescence, P. Aureofaceans. Genus Streptomyces: S. lydicus, S. griseus, S. coelicolor.
<i>Trichoderma</i>	639,648 CFU's per gram, Trichoderma: Trichoderma hamatum, Trichoderma harzianum, Trichoderma reesei.
Soluble Humic Acid	11% derived from <i>Leonardite</i>
Soluble Yucca Extract	1% <i>Yucca schidigera</i>
Soluble Sea Kelp Extract	9% <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

### Part 3: Application

Product is added to water and used as a foliar spray, topical soil drench or soil injection. Repeat treatment every 4-6 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. In severe conditions, rates may be doubled. 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 10,000 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, seed, and fertilizer.



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#### **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**

At the request of the specifier invoices for purchases of product may be requested/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.