



Specifications

DIEHARD™ BioRush®

Part 1: Product Description

DIEHARD™ BioRush® 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

Nitrogen Fixing, Phosphate solubilizing, and Growth Promoting Bacteria.	81,000,000 CFU's per cc Genus Bacillus: <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> . Genus Psuedomonas: <i>P. putida</i> , <i>P. fluorescense</i> , <i>P. aureofaciens</i> , <i>P. Durum</i> . Genus Streptomyces: <i>S. lydicus</i> , <i>S. griseus</i> , <i>S. coelicolor</i> .
<i>Trichoderma</i>	5,500,000 CFU's per cc Genus Trichoderma: <i>Trichoderma hamatum</i> , <i>Trichoderma harzianum</i> , <i>Trichoderma viride</i> , <i>Trichoderma reesei</i> .
Soluble Humic Acid	22% derived from <i>Leonardite</i>
Soluble Yucca Extract	2% <i>Yucca Schidigera</i>
Soluble Sea Kelp Extract	26% <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	9% Dextrose

Part 3: Application

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 1/4 lb. with 50-100 gallons of water per 10,000 sq. ft. and apply as a spray or drench.

Trees/Shrubs: Mix 1/4 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 1/4 lb. with 50-100 gallons of water per 10,000 sq. ft. and apply as a foliar spray or drench.



Sod: Mix 1/4 lb. with 50-100 gallons of water per 10,000 sq. ft. as a foliar spray or drench.
Hydromulching: Use 1 lbs. per acre mixed with mulch and seed.

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