



Pathway[®]
BioLogic

Microbial Inoculant & Bio-Nutrient

PATHWAY BIOLOGIC, LLC - MICROBIAL TECHNOLOGY

LAWNCARE

GOLF

SPORTS FIELDS

FLOWERS AND
BEDDING PLANTS

ORNAMENTALS

Root Honey Plus PGPR™ is a premium 1-0-1 liquid bio-nutrient enhanced with polymicrobial strain PGPRs (Plant Growth Promoting Rhizobacteria). The polymicrobial strains have been selected for their ability to build strong relationships with turf and ornamental plants, creating a healthier environment more conducive for plant growth. **Root Honey Plus PGPR™** contains amino acids derived from oilseed extract, carbohydrates, high grade fulvic acid, kelp, silica and PGPR. This ingredient rich formulation combining a bio-nutrient source and PGPR increases microbial growth and activity while also providing greater opportunity for plant growth and increased vigor.

PRODUCT BENEFITS

Increased

- Nutrient Uptake and Utilization
- Microbial Growth and Activity
- Root Growth and Development
- Vigor and Uniformity
- Organic Matter Management

Improved

- Soil Structure
- Recovery from Biotic and Abiotic Stresses
- Flowering
- Micro-Nutrient Chelation

Root Honey Plus PGPR™ is tank-mix compatible with most fertilizer and pesticide solutions but a bench test is recommended.

Available in 2 x 2.5 case, 55 gallon drum, 250 gal tote.

SELECT PLANT GROWTH PROMOTING RHIZOBACTERIA

Bacillus subtilis: Enzyme production facilitates nutrient solubilization, uptake, and utilization in the plant. Breaks down and converts organic matter into plant usable forms. Produces metabolites that promote plant growth and increased photosynthesis.

Bacillus methylotrophicus: Siderophore production naturally chelates iron improving uptake and utilization. Converts atmospheric nitrogen into plant usable forms. Biofilm formation holds nutrients in the soil profile.

Bacillus amyloliquefasciens: Initiates root growth and development.

Bacillus laterosporus: Produces enzymes known to promote and allow root proliferation in the presence of adverse conditions.

Bacillus licheniformis: Unbinds and disassociates salts from soil particles freeing up exchange sites for other cations. Enzyme production increases phosphorus solubilization and availability.

A PREMIUM BIO-NUTRINET SOURCE

Oilseed Extract: Contains amino acids which are a food source for microbes and serve as the building blocks of proteins, providing growth and repair of plant tissue.

Kelp Extract: Two kelp sources, Ascophyllum nodosum and Ecklonia maxima provide a balanced blend of metabolites that promote shoot growth and root initiation.

Carbohydrates: Molasses provides immediate energy for microbes. Maltodextrin is a polysaccharide stimulating microbial activity.

Fulvic Acid: Promotes antioxidant production and improves micro-nutrient chelation.

Silica: Increases plant hardiness/rigidity

APPLICATION RATES:

Lawn – 2 to 4 oz per 1000 sf, 2 to 4 apps per season

Fairways – 1 to 2 oz per 1000 sf every 21 to 28 days

Greens & Tees – 2 to 4 oz per 1000 sf every 7 to 14 days

Sports Fields – 2 to 3 oz per 1000 sf monthly

Flowers & Bedding Plants – 1 to 2 gallons per 100 gallons water, apply 2 to 3 gallons finished product per 1000 sf

Transplants – 1 to 2 gallons per 100 gallons water, apply as a drench.

For further specifications, refer to Rates & Frequency table on product label or contact your Product Representative.