



**Pathway**<sup>®</sup>  
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.