

# Bionutrient and Biological Fertilizer Complement

## THE PRODUCT

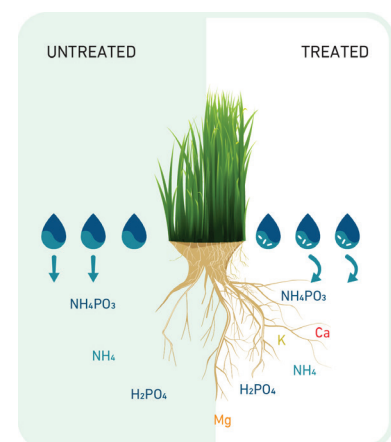
Root Honey™ Plus is a premium 1-0-1 biological fertilizer complement and bionutrient containing amino acids derived from oilseed extract, carbohydrates, high-grade fulvic acid and kelp. It is fortified with bioactives of PGPR – Plant Growth Promoting Rhizobacteria. This ingredient rich formulation increases microbial growth and activity, enhances plant growth and vigor, and improves organic matter management.

## FEATURES & BENEFITS

- Improves nutrient use efficiency – solubilization, uptake and utilization of applied fertilizer and nutrients in the soil bank.
- Optimizes conditions for greater root mass and plant vigor.
- May increase microbial growth and activity.
- Improves organic matter management.
- Ease of application – no special storage conditions and flexibility with application.

## TECHNOLOGY AT WORK

- 1 Carbon sources within Root Honey Plus accelerate microbial growth and activity.
- 2 The bioactives in Root Honey Plus - *Bacillus sp.* - produce enzymes and organic acids that improve the solubilization of fertilizer into plant available forms and release bound nutrients.
- 3 More availability of nutrients can improve nutrient uptake, leading to a more robust root system and optimizing plant growth and vigor.



# Technical Information

## PRODUCT PROFILE

|  |   |   |      |    |   |             |    |  |          |     |  |              |     |   |             |     |
|--|---|---|------|----|---|-------------|----|--|----------|-----|--|--------------|-----|---|-------------|-----|
| Mechanism of Action  | Nutrient solubilization and cycling improving nutrient availability –macronutrients and micronutrients.<br>Increased microbial growth and activity via carbon sources.  |   |      |    |   |             |    |  |          |     |  |              |     |   |             |     |
| Compatibility  | Tank-mix compatible with nutrient solutions and most pesticides. Contact a product representative for a complete list of compatible products.   |   |      |    |   |             |    |  |          |     |  |              |     |   |             |     |
| Active Ingredients   | <table border="0"> <tr> <td><i>Bacillus subtilis</i> (1 x 10<sup>8</sup> cfu/mL)</td> <td>Kelp</td> <td>8%</td> </tr> <tr> <td><i>Bacillus methylotrophicus</i> (1 x 10<sup>8</sup> cfu/mL)</td> <td>Fulvic Acid</td> <td>5%</td> </tr> <tr> <td><i>Bacillus licheniformis</i> (1 x 10<sup>8</sup> cfu/mL)</td> <td>Molassis</td> <td>10%</td> </tr> <tr> <td><i>Bacillus amyloliquefaciens</i> (1 x 10<sup>8</sup> cfu/mL)</td> <td>Maltodextrin</td> <td>10%</td> </tr> <tr> <td><i>Bacillus laterosporus</i> (1 x 10<sup>8</sup> cfu/mL)</td> <td>Amino Acids</td> <td>11%</td> </tr> </table> | <i>Bacillus subtilis</i> (1 x 10 <sup>8</sup> cfu/mL) | Kelp | 8% | <i>Bacillus methylotrophicus</i> (1 x 10 <sup>8</sup> cfu/mL) | Fulvic Acid | 5% | <i>Bacillus licheniformis</i> (1 x 10 <sup>8</sup> cfu/mL) | Molassis | 10% | <i>Bacillus amyloliquefaciens</i> (1 x 10 <sup>8</sup> cfu/mL) | Maltodextrin | 10% | <i>Bacillus laterosporus</i> (1 x 10 <sup>8</sup> cfu/mL) | Amino Acids | 11% |
| <i>Bacillus subtilis</i> (1 x 10 <sup>8</sup> cfu/mL)          | Kelp  | 8%  |      |    |   |             |    |  |          |     |  |              |     |   |             |     |
| <i>Bacillus methylotrophicus</i> (1 x 10 <sup>8</sup> cfu/mL)  | Fulvic Acid   | 5%  |      |    |   |             |    |  |          |     |  |              |     |   |             |     |
| <i>Bacillus licheniformis</i> (1 x 10 <sup>8</sup> cfu/mL)     | Molassis  | 10%   |      |    |   |             |    |  |          |     |  |              |     |   |             |     |
| <i>Bacillus amyloliquefaciens</i> (1 x 10 <sup>8</sup> cfu/mL) | Maltodextrin  | 10%   |      |    |   |             |    |  |          |     |  |              |     |   |             |     |
| <i>Bacillus laterosporus</i> (1 x 10 <sup>8</sup> cfu/mL)      | Amino Acids   | 11%   |      |    |   |             |    |  |          |     |  |              |     |   |             |     |
| Formulation  | Water based   |   |      |    |   |             |    |  |          |     |  |              |     |   |             |     |
| Packaging  | 2 x 2.5 gal case, 55 gal drum, 275 gal tote   |   |      |    |   |             |    |  |          |     |  |              |     |   |             |     |
| Shelf Life   | 24 months from date of manufacture  |   |      |    |   |             |    |  |          |     |  |              |     |   |             |     |

## APPLICATION

|                            |  |
|----------------------------|--|
| Greens                     | 2 to 4 oz per 1000 sq. ft. every 7 to 14 days                                    |
| Fairways                   | 1 to 2 oz per 1000 sq. ft. every 21 to 28 days                                   |
| Lawn                       | 2 to 4 oz per 1000 sq. ft., 2 to 4 applications per growing season               |
| Sports Turf                | 2 to 3 oz per 1000 sq. ft. monthly   |
| Flowers and Bedding Plants | 1 to 2 gal per 100 gal water, apply 2 to 3 gal finished product per 1000 sq. ft. |
| Transplants                | 1 to 2 gal per 100 gal water, apply as a drench                                  |

