BioPath® is a microbial inoculant containing bioactives of PGPR – Plant Growth Promoting Rhizobacteria – that improves nutrient utilization and conditions for root growth and plant vigor, helping growers maximize ROI from production inputs. It is formulated to be blended with liquid fertilizer or tank-mixed and applied in-furrow, sidedress or broadcast.

Benefits of Using BioPath® in Crop Production:

- Improves nutrient use efficiency – solubilization, uptake and utilization of applied fertilizer and nutrients in the soil bank
- Improves conditions for greater root mass and plant vigor
- Ease of application – no special storage conditions and flexibility with application
- Optimizes yield potential and harvest quality

How BioPath Technology Works:

1. BioPath applied at key growth stages.
2. The bioactives in BioPath – 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 increase nutrient uptake, providing greater root volume and improving overall plant growth and vigor. As a result yield potential and harvest quality are optimized.
Product Profile

- **Mode of Action**: Nutrient solubilization and cycling improving nutrient availability – macronutrients and micronutrients.

- **Fertilizer Compatibility**: Effective with a wide range of raw nutrients, blends and organic solutions. Contact a Plant Response representative for a complete list of compatible fertilizers.

- **Active Ingredients – Proprietary PGPR strains**
  - Bacillus subtilis (2 x 10^8 cfu/mL)
  - Bacillus methylotrophicus (2 x 10^8 cfu/mL)
  - Bacillus licheniformis (1 x 10^8 cfu/mL)

- **Formulation**: Water based

- **Packaging**: 2 x 2.5 gal case, 275 gal tote

- **Shelf life**: 18 months from date of manufacture

Application

<table>
<thead>
<tr>
<th>Application</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>Starter / At plant</td>
<td>16 to 32 oz/acre</td>
</tr>
<tr>
<td>Sidedress or Topdress</td>
<td>16 to 32 oz/acre</td>
</tr>
<tr>
<td>Broadcast or Manure</td>
<td>64 oz/acre</td>
</tr>
<tr>
<td>Cuttings &amp; Bare Root</td>
<td>32 to 64 oz in 50 gallons water for dipping</td>
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<tr>
<td>Greenhouse &amp; Nursery</td>
<td>24 to 32 oz per 20,000 sq. ft. through drip or spray</td>
</tr>
<tr>
<td>Transplants</td>
<td>24 to 32 oz in 50 gallons water, apply as a drench</td>
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Important: Always read and follow label directions.

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