



Microbial inoculant for crop enhancement

OVERVIEW

BioPath® is a microbial inoculant containing bioactives of PGPR – Plant Growth Promoting Rhizobacteria – that optimizes nutrient utilization and promotes root and crop growth, 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.

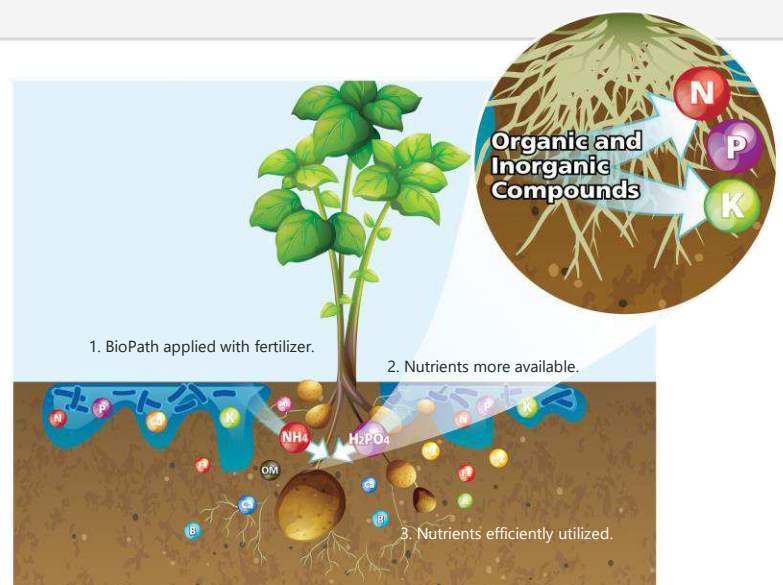
Benefits of Using BioPath® in Crop Production:

- Improved nutrient use efficiency – solubilization, uptake and utilization of applied fertilizer and nutrients in the soil bank
- Ease of application – no special storage conditions and flexibility with application
- Enhanced root growth and plant vigor via production of growth promoting metabolites
- Optimized yield potential and improved harvest quality

FEATURES & BENEFITS

How BioPath Technology Works:

1. BioPath applied with fertilizer at key growth stages.
2. The bioactives in BioPath – *Bacillus subtilis*, *Bacillus methylotrophicus* and *Bacillus licheniformis* – produce enzymes and organic acids that improve the solubilization of fertilizer into plant available forms, and release bound nutrients.
3. These bioactives also produce growth metabolites that promote a more robust root system, improving nutrient and water uptake which optimizes crop growth and yield potential.



TECHNOLOGY AT WORK



TECHNICAL INFORMATION

Product Profile

Mode of Action	<ul style="list-style-type: none"> Nutrient solubilization and cycling improving nutrient availability – macronutrients and micronutrients. Root growth promotion – improved production of root hairs and root tips for increased water and nutrient uptake.
Fertilizer Compatibility	<ul style="list-style-type: none"> Effective with a wide range of raw nutrients, blends and organic solutions. Contact a Pathway representative for a complete list of compatible fertilizers.
Active Ingredients – Proprietary PGPR strains	<ul style="list-style-type: none"> Bacillus subtilis (2 x 10⁸ cfu/mL) Bacillus methylotrophicus (2 x 10⁸ cfu/mL) Bacillus licheniformis (1 x 10⁸ cfu/mL)
Formulation	<ul style="list-style-type: none"> Water based
Packaging	<ul style="list-style-type: none"> 2 x 2.5 gal case, 275 gal tote
Shelf life	<ul style="list-style-type: none"> 24 months from date of manufacture

Application

Starter / At plant	16 to 32 oz/acre
Sidedress or Topdress	16 to 32 oz/acre
Broadcast or Manure	64 oz/acre
Cuttings & Bare Root	32 to 64 oz in 50 gallons water for dipping
Greenhouse & Nursery	24 to 32 oz per 20,000 sq. ft. through drip or spray
Transplants	24 to 32 oz in 50 gallons water, apply as a drench

Important: Always read and follow label directions. Pathway BioLogic and BioPath are trademarks of Pathway BioLogic, LLC. ©2018 Pathway BioLogic, LLC. All rights reserved.

PB_BioPathTech_FY18

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