



Microbial inoculant for bulk liquid fertilizer enhancement

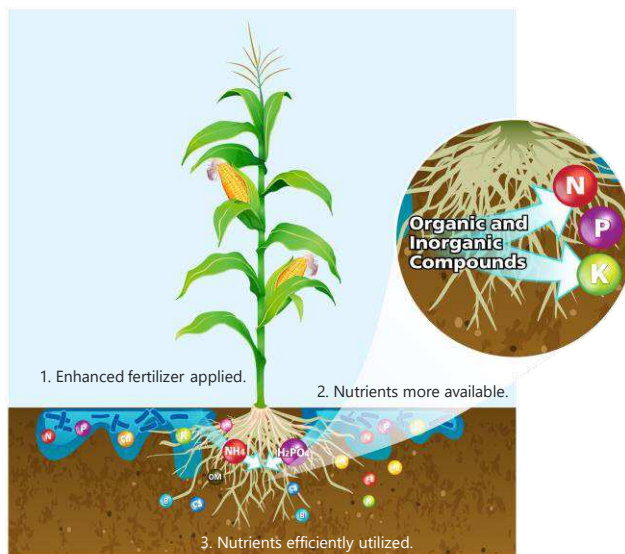
PowerBlend® is a microbial inoculant containing bioactives of PGPR – Plant Growth Promoting Rhizobacteria – formulated to be blended with liquid fertilizer. It optimizes nutrient utilization and promotes root and crop growth, helping growers maximize ROI from production inputs.

Benefits of Using PowerBlend® 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 can be blended with liquid fertilizer
- Enhanced root growth and plant vigor via production of growth promoting metabolites
- Optimized yield potential and improved harvest quality

How PowerBlend Technology Works:

1. PowerBlend enhanced fertilizer applied to crops at key growth stages.
2. The bioactives in PowerBlend – *Bacillus spp.* – 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.





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 (1 x 10⁸ cfu/mL) Bacillus methylotrophicus (1 x 10⁸ cfu/mL) Bacillus licheniformis (1 x 10⁶ cfu/mL) Bacillus megaterium (1 x 10⁸ cfu/mL) Bacillus amyloliquefaciens (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

Blending Rate	<ul style="list-style-type: none"> PowerBlend is formulated to be blended “ingredient” in bulk liquid fertilizer ensuring an effective concentration of PGPR applied. For more information contact a product representative.
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TECHNICAL INFORMATION

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

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