



CORN ← SMALL GRAINS ← SOYBEANS ← CANOLA ←

### MICROBIAL COMBO FOR IMPROVED FERTILIZER USE EFFICIENCY AND CROP GROWTH

PowerCoat and BioPath are microbial inoculants containing highly effective bioactives of PGPR – Plant Growth Promoting Rhizobacteria – that provide multiple modes of action for enhanced plant growth.

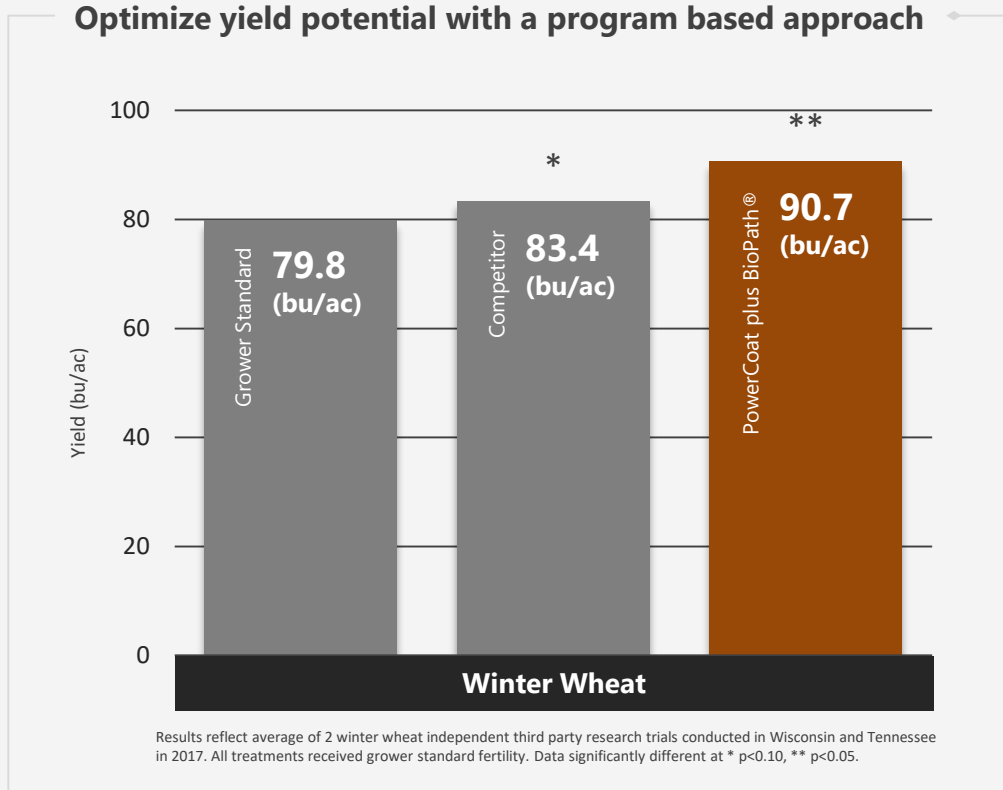
PowerCoat is formulated to impregnate bulk dry fertilizer. BioPath is formulated to be blended with liquid fertilizer or tank-mixed for field level applications. This powerful combo improves nutrient uptake via nutrient solubilizing enzymes and organic acids and enhanced root growth.

This results in greater leaf area, canopy development, and increased production of bio solids which can contribute to improved yield.

### CROP PRODUCTION BENEFITS

- Improved nutrient use efficiency – solubilization, uptake and utilization of applied fertilizer and nutrients in the soil bank.
- Enhanced root growth and plant vigor.
- Optimized yield potential.
- Inoculation is effective in a broad scope of environments (soil types and geographic regions).
- Compatibility – BioPath is tank-mix compatible with most crop protectants and nutrient solutions.
- Ease of application – effective rate of bacterial spores on PowerCoat impregnated fertilizer provides consistent performance.

### Optimize yield potential with a program based approach





## HOW PGPR TECHNOLOGY WORKS

1. PGPR applied with fertilizer at key growth stages.
2. The bioactives of PGPR produce enzymes and organic acids that improve the solubilization of fertilizer into plant available forms, and release bound nutrients.
3. These bioactives also promote a more robust root system, improving nutrient and water uptake.
4. The combined modes of action can improve photosynthetic capacity, leading to improved yield opportunities.

## USE RECOMMENDATIONS

PowerCoat® is impregnated on bulk dry fertilizer at 85 oz/ton by fertilizer manufacturers or retailers. It is compatible with (but not limited too) Potash, MAP, DAP, MESZ, AMS, Urea and Micronutrient blends.

BioPath® can be applied in-furrow, sidedress, topdress, broadcast or blended with liquid fertilizer. It is tank-mix compatible with most pesticides and nutrient solutions. Contact your retailer or Pathway BioLogic for a complete list of compatible products.

Crop	Granular Applications	Sidedress or Topdress
Corn	Apply PowerCoat impregnated fertilizer during the normal fertilizer schedule. PowerCoat can be banded or broadcast. If broadcast, a 100% overlap is recommended.	BioPath 16 oz/ac at V4 to V6
Small Grains		Biopath 16 oz/ac topdress
Soybeans		BioPath 16 oz/ac at R1 to R3
Canola		BioPath 16 oz/ac at 4 leaf

For more information about PowerCoat® and BioPath®, or other Pathway microbial solutions visit our website at [www.PathwayBioLogic.com](http://www.PathwayBioLogic.com) or contact us direct:

Email: [info@pathwaybiologic.com](mailto:info@pathwaybiologic.com) | Phone: 813-719-7284

**Important: Always read and follow label directions.** Pathway BioLogic, PowerCoat and BioPath are trademarks of Pathway BioLogic, LLC. ©2019 Pathway BioLogic, LLC. All rights reserved.

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