

THE PERFECT COMPLEMENT TO FERTILIZER



PowerCoat™, a biological fertilizer complement from Mosaic, can be impregnated on dry granular fertilizer and contains proven strains of Plant Growth Promoting Rhizobacteria (PGPR) that improve nutrient utilization and conditions for greater plant growth and vigor, helping growers maximize ROI from fertilizer inputs.

HOW POWERCOAT WORKS

Intensive research and evolving science have proven that *Bacillus* is one of the most powerful partners in developing plant root systems. That's why Mosaic created a natural, effective biological specifically designed to support plant growth.

- STEP 1** | PowerCoat contains unique strains of *Bacillus* bacteria that colonize on developing plant roots.
- STEP 2** | These specific strains of *Bacillus* enhance the plant root system and produce organic acids and enzymes, which help to break down the nutrients in the soil.
- STEP 3** | Those nutrients are made more available to the roots, creating a stronger, more vigorous plant that can better manage stresses throughout the season and optimize yields.

NOT YOUR AVERAGE BIOLOGICAL

Not all biological products are created equal, and there can be confusion when evaluating product performance. Individual bacterial strains can elicit specific plant growth responses — or not. PowerCoat uses *Bacillus* strains that have been carefully screened and selected for their ability to form symbiotic relationships with corn roots to improve nutrient availability, uptake and season-long use.

COMPETITIVE ADVANTAGES OF POWERCOAT

Adding PowerCoat to granular fertilizer applications will make nutrients more accessible when the plant needs it most and will make every dollar invested in fertilizer work harder.

- Solubilizes nutrients in the soil to improve nutrient availability, uptake and season-long use
- Improves conditions for greater plant growth and increased vigor
- Optimizes yield potential and harvest quality
- Provides ease of application

FLEXIBLE APPLICATION

PowerCoat is easily applied to dry fertilizer.

Rate recommendations

Banded applications – 2.5 fl. oz. per acre
 Broadcast applications – 5 fl. oz. per acre

Impregnation Rate

22 to 102 oz. per 2,000 lbs.
 (700 to 3,300 ml per 1,000 kg)

PROVEN PERFORMANCE

Broadcast application of PowerCoat enhanced fertilizer, in conjunction with sidedress application of BioPath, increased corn yield by an average 9.9 bu/A, providing a 4.9 to 1 ROI.

PRODUCT DETAILS

Mode of Action

Nutrient solubilization and cycling to improve plant macronutrient and micronutrient availability.

Fertilizer Compatibility

Effective with a wide range of raw nutrients, blends and organic solutions. Contact a Mosaic representative for a complete list of compatible fertilizers.

Active Ingredients

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)

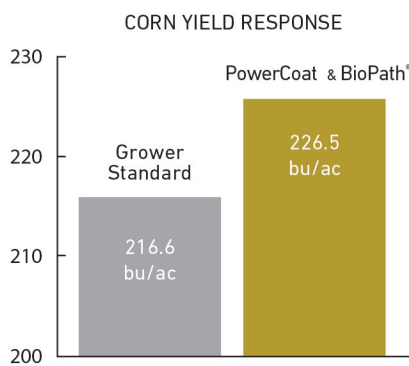
Shelf Life

24 months in concentrate, up to 18 months on dry fertilizer

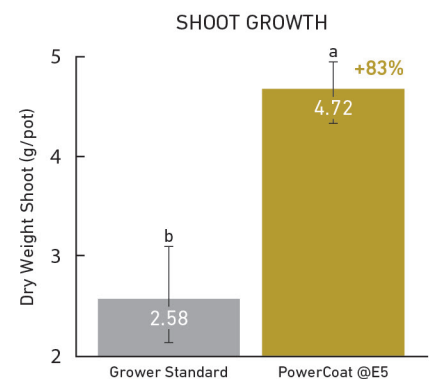
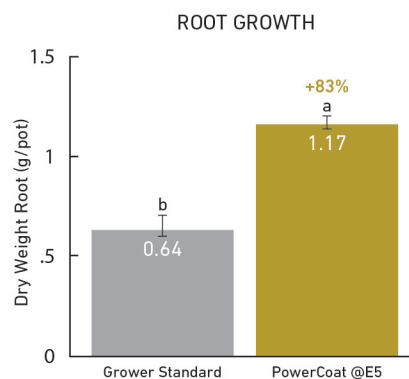
Packaging

2 x 2.5-gallon case; 275-gallon tote

PowerCoat Optimizes Yield Potential*



Increases Total Corn Growth**



Learn More at AmplifyYourROFI.com

*All treatments received grower standard production inputs.

**All treatments received grower standard fertility: DAP 18-46-0 applied 55.5 lbs/ac in-furrow (2x2) at plant – equivalent to 10 lbs N/ac, 25.5 lbs P2O5/ac; UAN (90 lbs N/acre) at 14 DAP. PowerCoat impregnated on DAP. Media utilized was Wingate alkaline soil – pH 8.0. Means within each column with different letters differ significantly (p<0.10) Trial conducted by Pathway BioLogic, Plant City, FL.