PowerCoat®

Biological Fertilizer Complement

THE PRODUCT

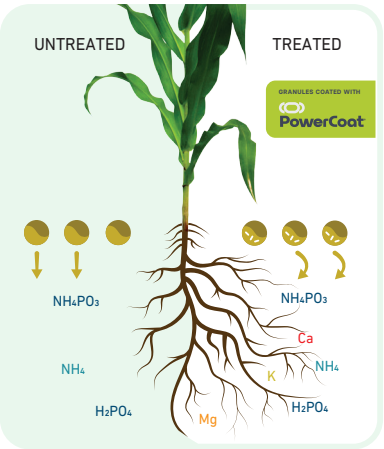
PowerCoat® biological fertilizer complement formulated with proven strains of PGPR – Plant Growth Promoting Rhizobacteria – that increases nutrient availability, uptake and utilization and improves early season plant growth and vigor, helping growers maximize ROI from fertilizer inputs. It is formulated to impregnate bulk dry fertilizer and can be applied banded or broadcast.

FEATURES & BENEFITS

- Improves nutrient use efficiency-solubilization, uptake and utilization of applied fertilizer and nutrients in the soil bank.
- Improves conditions for greater plant growth and increased vigor.
- Optimizes yield potential and harvest quality.
- Ease of application-effective rate of bacterial spores on impregnated fertilizer provides consistent performance.

TECHNOLOGY AT WORK

1. PowerCoat enhanced fertilizer is applied to crops at key growth stages.
2. The bioactives in PowerCoat – *Bacillus sp.* – produce enzymes and organic acids that improve the solubilization of fertilizer into plant available forms and release bound nutrients.
3. Availability of key nutrients can support a more robust root system, improving nutrient uptake which optimizes plant growth and yield potential.



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Technical Information

PowerCoat®

PRODUCT PROFILE

Mechanism of Action	Nutrient solubilization and cycling improving nutrient availability – macronutrients and micronutrients.
Fertilizer Compatibility	Effective on a wide range of raw nutrients, biosolids and dry fertilizer blends. Contact a Mosaic Biosciences representative for a complete list of compatible fertilizers.
Active Ingredients Proprietary PGPR strains	*Bacillus subtilis* (1 x 10^8 cfu/mL) *Bacillus methylotrophicus* (1 x 10^8 cfu/mL) *Bacillus licheniformis* (1 x 10^6 cfu/mL) *Bacillus megaterium* (1 x 10^8 cfu/mL) *Bacillus amyloliquefaciens* (1 x 10^8 cfu/mL)
Formulation	Oil based
Packaging	2 x 2.5 gal case, 275 gal tote
Shelf life	24 months in concentrate Up to 18 months on dry fertilizer

APPLICATION

Effective Rate	Maintain a minimum of 2.5 fl oz per acre for banded applications and 5 fl oz per acre for broadcast applications.
Impregnation Rate	22 to 102 fl oz per 2,000 lbs Refer to PowerCoat Impregnation Calculator
Fertilizer Application	Apply PowerCoat impregnated fertilizer during the normal fertilizer schedule, banded or broadcast. If broadcast, ensure uniform coverage; non uniform spreading may result in unsatisfactory performance.

Mosaic BIOSCIENCES™

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