

BIO-CAPSULE™ BENEFITS


WITHIN
THE BIO-
CAPSULE™





Azotobacter chroococcum	Free-living, nitrogen-fixing bacteria that can contribute significantly to plant nutrition and growth. Bacteria in this genus can also synthesize natural plant hormones and stimulate microbes in the rhizosphere.
Azotobacter vinelandii	Nitrogen-fixing bacteria which can take up nitrogen from air. Azotobacter species can also convert atmospheric nitrogen to ammonia.
Azospirillum brasilense	Rhizobacteria which is able to increase plant growth by fixing atmospheric N nonsymbiotically and by producing plant growth substances such as plant hormones (auxins).
Azospirillum lipoferum	Rhizobacteria known for its phytohormone production and nitrogen-fixing ability.
Paenibacillus azotofixans	Nitrogen-fixing bacterium which competitively colonizes plant roots and enhances plant growth by several direct mechanisms including phosphate solubilization, nitrogen fixation, degradation of environmental pollutants, and hormone production.
Trichoderma harzianum	Fungal microorganism well known for its positive association with plant roots—supporting plant health by improving root architecture and positively influencing plant nutrient uptake.
Bacillus amyloliquefaciens	Grows with plant roots and forms a long-lasting active biofilm on fine root hairs, resulting in an excellent biofertilizer that can activate soil nutrients by changing the forms of soil elements.
Thiobacillus ferrooxidans	Oxidizes iron as an energy source to support autotrophic growth and produces ferric iron as well as oxidizing sulfur—producing sulfates useful for the plant.
Bacillus subtilis	Solubilizes soil phosphorus and enhances nitrogen utilization, as well as promotes plant growth.
Bacillus licheniformis	Improves soil micro-ecology and increases fertilizer use efficiency. This bacterium grows with plant roots and provides season-long benefits.
Bacillus pumilus	Enhances plant-boron uptake through nutrient availability in the soil and has been documented to increase nitrogen uptake in plants.
Bacillus megaterium	Resilient bacterium that is known to produce phosphate-fixing and potassium-fixing fertilizers.

Terrasym® Methylobacterium gregans	A proven, industry-leading biostimulant PPFM strain that generates massive root structures.
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RACEReady™ Bradyrhizobia Inoculant	A proprietary triple-stack that accelerates early-season nodulation for maximum nutrient uptake.
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 ETHER POWERED BY ENZYMES TECHNOLOGY	ETHER Enzyme Technology is designed to work with live microbes to activate nutrient availability more quickly in the soil through the combination of two enzymes, mannanase and lipase and 18% active carbon. ETHER dramatically improves the availability of phosphorus (P) and potassium (K) and provides a gateway for faster colonization of biologicals.
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 PREPHYTE III ST	PREPHYTE™ ST is a plant growth-promoting rhizobacteria (PGPR) that activates plants induced systemic resistance (ISR) defense/immune system. PREPHYTE ST stimulates healthier roots and improves nutrient uptake providing both anti-fungal and anti-bacterial activity. It is a broad-spectrum biological fungicide for prevention, control or suppression of many soil-borne diseases. <small>PREPHYTE ST EPA No. 94485-5</small>
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 METALAXYL III ST	METALAXYL ST is a systemic fungicide that contains the chemical metalaxyl, which interferes with fungal RNA synthesis. METALAXYL ST is intended for use as a planter box treatment in combination of broad-spectrum fungicide. <small>METALAXYL ST EPA No. 94485-8</small>
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REVLINER® HOPPER THROTTLE™ SOYBEAN is powered by BIO-CAPSULE TECHNOLOGY™ - a patented delivery system that helps farmers save time, labor and fuel. The BIO-CAPSULE carrier system allows for the addition of multiple biological solutions safely packaged for convenient deployment at planting.

RHT SOYBEAN



PAIL BASE:

- 80/20 talc, graphite, iron (Fe) and manganese (Mn) blend, with 0.43 lbs IONLOCK™ Zinc

BIO-CAPSULEs:

- Blue: 8-pack biofertility and N-fixing microbes
- White: 5 oz Terrasym
- Black x2: RACEReady™ Bradyrhizobia inoculant

RHT SOYBEAN with ETHER



PAIL BASE:

- 80/20 talc, graphite, iron (Fe) and manganese (Mn) blend, with 0.43 lbs IONLOCK™ Zinc

BIO-CAPSULEs:

- Blue: 8-pack biofertility and N-fixing microbes
- White: 5 oz Terrasym
- Green: ETHER Enzyme Technology
- Black x2: RACEReady™ Bradyrhizobia inoculant

RHT SOYBEAN with PREPHYTE ST & METALAXYL ST



PAIL BASE:

- 80/20 talc, graphite, iron (Fe) and manganese (Mn) blend, with 0.43 lbs IONLOCK™ Zinc

BIO-CAPSULEs:

- Blue: 8-pack biofertility and N-fixing microbes
- White: 5 oz Terrasym
- Black: RACEReady™ Bradyrhizobia inoculant
- Yellow x2: PREPHYTE ST and METALAXYL ST

RHT SOYBEAN with ETHER, PREPHYTE ST & METALAXYL ST



PAIL BASE:

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