



Take Your Coverage to the Next Level With Bio-Enhancers

Nutrient and moisture deficiencies can impair root growth, making it even harder for plants to get the nutrients and moisture they need. While benefits vary by crop, bio-enhancers from the Acceleron® portfolio can enhance functional root volume and increase nutrient uptake, protecting plants from moisture or nutrient stress. Many bio-enhancers make nutrients available to plants, helping maximize yield potential.

Our Commitment to Quality Bio-Enhancer Products

Every batch of bio-enhancers is developed with rigorous quality control and held to the highest standards. We take extra steps to design and produce reliable products that help optimize the value of every seed.

1. Daily quality checks on every fermentation tank and continued evaluation

Trained experts examine samples from every batch under the microscope, every day, to look for potential contaminants and confirm active microorganism ingredients.

2. Fine-tuned nutrient sources

We provide the high-quality nutrients that bacteria need to perform their best — lengthening shelf life, lowering application rates and improving in-field performance.


3. <0.1% bag contamination rate

Our specially designed bag-filling system reduces the risk of contamination, preserving the quality we achieve during fermentation.


4. Breathable bags and ideal surface area-to-volume ratio

Our breathable bags let oxygen in and CO₂ out, giving *Bradyrhizobia* access to the oxygen they need. Optimized surface area-to-volume ratio helps the *Bradyrhizobia* remain effective for up to two years.




ACCELERON®		Rhizobia	LCO	<i>Penicillium bilaiae</i>	<i>Trichoderma virens</i>	<i>Bacillus amyloliquefaciens</i>
	Cell-Tech®	✓				


Cell-Tech® Soybean Liquid Inoculant contains specially selected rhizobia that can provide highly effective nodulation to enhance nitrogen fixation, even in cooler soils, increasing yield potential as planting conditions change.

	Optimize® XC	✓	✓			
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Optimize® XC Inoculant is a dual-action soybean inoculant that provides enhanced nutrient capabilities with the industry's lowest application rate.

	TagTeam®	✓		✓		
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TagTeam® Soybean Granular Inoculant combines the phosphate-solubilizing microbe *Penicillium bilaiae* with a specially selected nitrogen-fixing rhizobia.

	TagTeam® LCO XC	✓	✓	✓		
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TagTeam® LCO XC technology is a triple-action soybean inoculant that delivers the same benefits as Optimize® XC Inoculant, but it also includes *Penicillium bilaiae*, which makes phosphate more available.

	JumpStart®			✓		
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JumpStart® technology contains the naturally occurring soil fungus *Penicillium bilaiae*. It grows along plant roots releasing nutrients like phosphate bound in the soil, making them more available for the crop to use.

	QuickRoots®				✓	✓
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QuickRoots® technology offers protection from unpredictable moisture or nutrient stress for your corn or cotton. The microbes in QuickRoots technology make organic phosphate more available, which supports the development of larger root volume — all of which leads to enhanced moisture, nitrogen and potassium uptake.