

RESULTS FROM THE FIELD

MERISTEM FEATURED PRODUCTS

TESTIMONIALS

Patrick Conyea, C&C Ag Solutions

"REVLINER HOPPER THROTTLE CORN from Meristem is a product that I feel is revolutionizing the industry. It's unique because of the 80/20 Talc/Graphite blend and 1.35lbs of Zinc, all of which is designed specifically for an early corn crop. The emergence paired with large root systems results in high balanced nutrient values in the plant."

Dusty Hickox, South Central, IL

"I had great emergence, big root growth, robust roots, everything looked healthy and good. The plant health looked good, especially with Zinc added in, that's a big kick for me personally. I don't have liquid on my planter so I can start and not have to spend the money up front now."



REVLINER HOPPER THROTTLE CORN PORTFOLIO



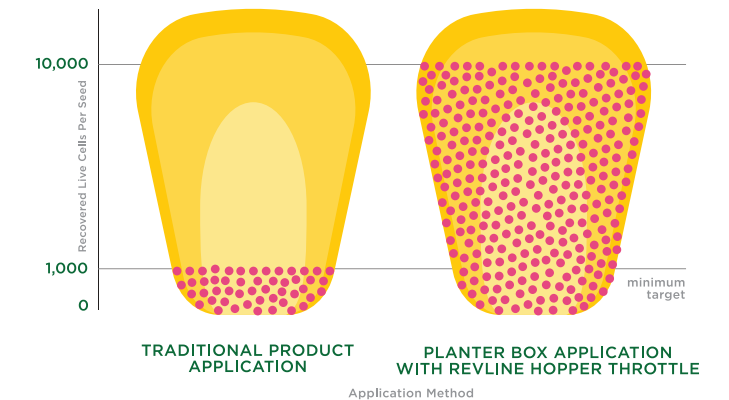
POWERED BY



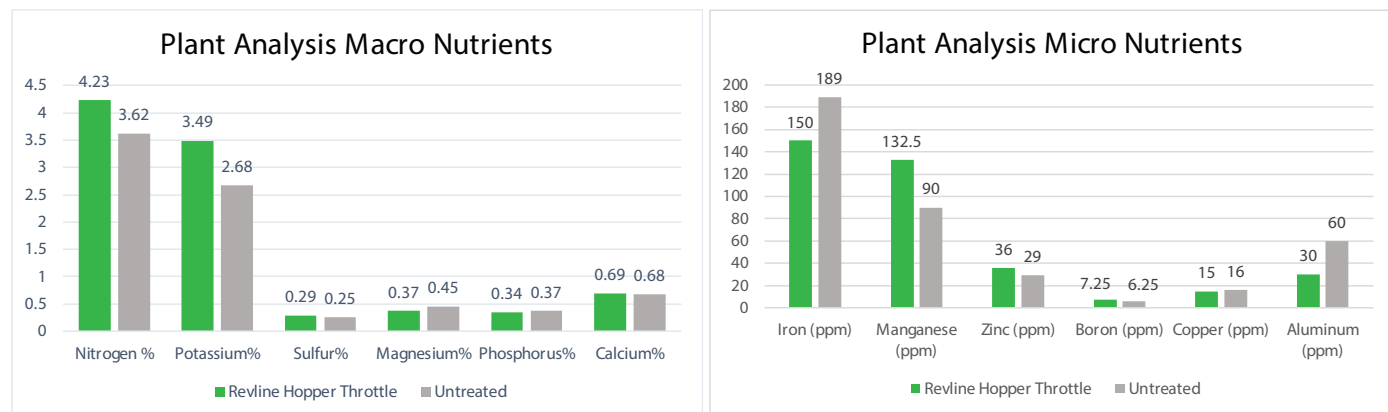
NUTRIENT & MICROBIAL PLANTER BOX DELIVERY SYSTEM

BIO-CAPSULE technology: the first tool to deliver biologicals safely to the furrow. Meristem's patented delivery system makes it happen—more bushels for less.

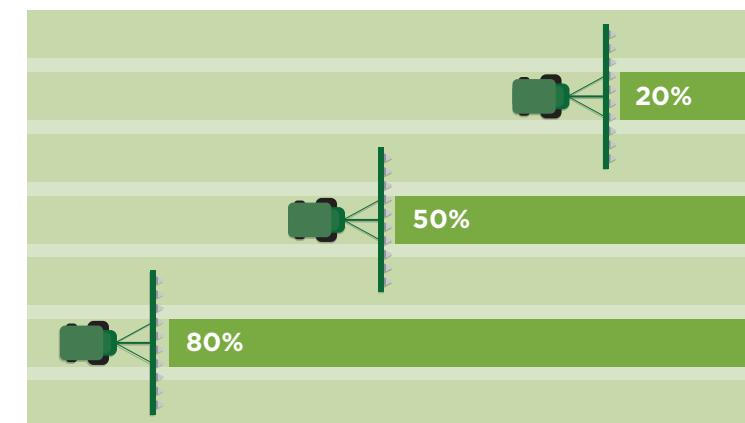
To confirm even product distribution, seed lubricant plus Terrasym biological was applied per grower standard practice and then AIP agronomists collected seed samples at a variety of progress points as trials were being planted. Seed samples were taken at 20%, 50%, and 80% planted and then sent to NewLeaf Symbiotics scientists to confirm the living microbes found in Terrasym products were being evenly distributed across large-scale commercial fields.



REVLINER HOPPER THROTTLE TRIALS



PLANTING PROCESS



OVER 10,000 LIVE CELLS PER SEED AT EACH STAGE OF PLANTING



LIVE CELLS PER SEED WITH TERRASYM FOR CORN

20% planted = 40,228
50% planted = 37,735
80% planted = 40,212



LIVE CELLS PER SEED WITH TERRASYM FOR SOYBEAN

20% planted = 39,914
50% planted = 38,312
80% planted = 38,591

BIO-CAPSULE™ BENEFITS

REVLINER® HOPPER THROTTLE™ CORN 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.

WITHIN THE BIO-CAPSULE™



Azotobacter chroococcum	Free-living Nitrogen fixing bacteria that can contribute significantly to plant nutrition and growth. Bacteria in this genus also can synthesize natural plant hormones and can stimulate microbes in the rhizosphere.
Azotobacter vinelandii	Nitrogen fixing bacteria which can take up nitrogen from air. Azotobacter species can convert atmospheric nitrogen to ammonia.
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 bio-fertilizer that can activate soil nutrients by changing the forms of soil elements.
Bacillus subtilis	Grows with plant roots and forms a long-lasting active biofilm on fine root hairs resulting in an excellent bio-fertilizer that can activate soil nutrients by changing the forms of soil elements.
Bacillus licheniformis	Solubilizes soil phosphorous and enhance nitrogen utilization, as well as promotes plant growth.
Bacillus pumilus	Enhances plant-boron uptake by 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.

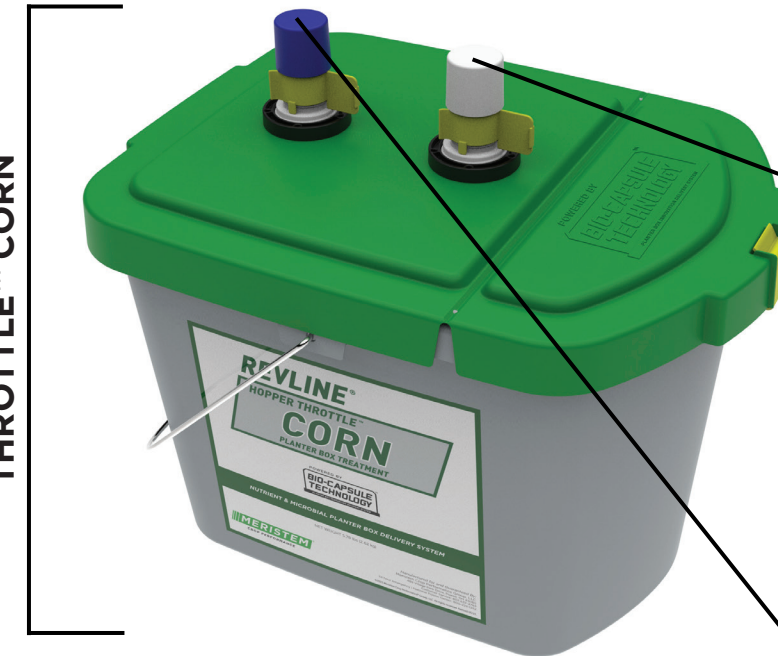


Terrasym® Methylobacterium gregans	A proven, industry-leading bio stimulant PPFM strain that generates massive root structures.
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ETHER ENZYME TECHNOLOGY	ETHER Enzyme Technology is designed to work with live microbes to activate nutrient availability more quickly in the soil through the combination of two enzymes, mannanase and lipase. ETHER also dramatically improves the availability of phosphorus (P) and potassium (K) and provides a gateway for faster colonization of biologicals.
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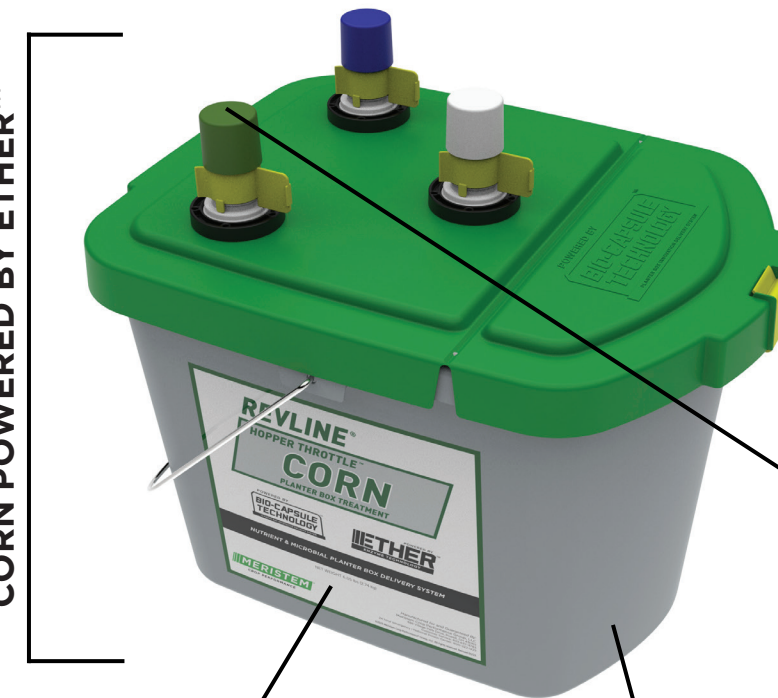
REVLINER® HOPPER THROTTLE™ CORN



6.25 oz Terrasym®
Proven, Industry-Leading Bio Stimulant PPFM strains that generate massive root structures.

Industry-Leading Bio-Fertility & N-Fixing Microbes
Azotobacter chroococcum
Azotobacter vinelandii
Bacillus amyloliquefaciens
Bacillus licheniformis
Bacillus megaterium
Bacillus pumilus
Bacillus subtilis
Trichoderma harzianum
CFU count 46 billion

REVLINER® HOPPER THROTTLE™ CORN POWERED BY ETHER™



ETHER ENZYME TECHNOLOGY
NEW: ETHER™ Enzyme Technology
This Lipase & Mannanase enzyme combo fosters microbial activity for long-term benefits

80/20 Talc/Graphite + Mn & Fe

NEW: 1.35 lbs IONLOCK™ Zinc