



ULTIMATE SOYBEAN PROTECTION

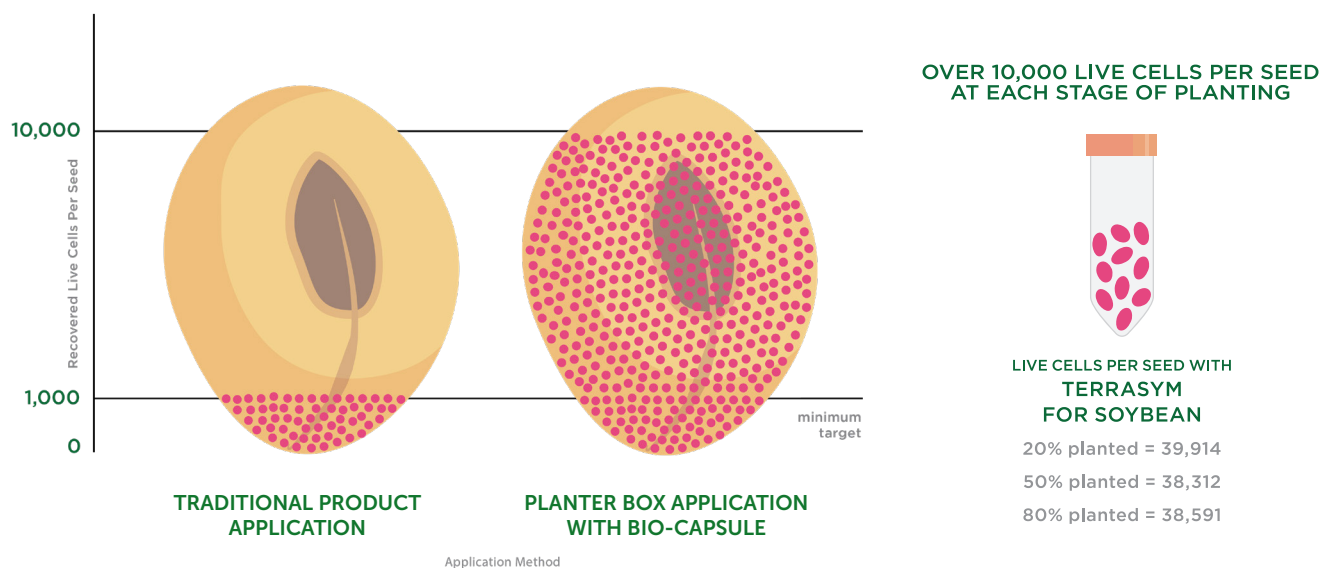
HOPPER THROTTLE MAXSTAX Soybean is a revolutionary combination of 16 crop inputs delivered seamlessly through an advanced planter box seed fluency system.

Powered by Meristem's patented BIO-CAPSULE™ Technology, farmers now have an easy-to-use system to replace costly traditional liquid soybean seed treatment.

REPLANT: \$40/acre Ask your sales rep about Meristem's \$40/acre replant on MAXSTAX Soybeans

BIO-CAPSULE = MORE LIVE CELLS PER SEED

To confirm even product distribution, seed lubricant plus the REVLIN® biological was applied per grower standard practice and through BIO-CAPSULE Technology. Ag Ingenuity Partners agronomists collected seed samples at various progress points during planting (20%, 50%, and 80% completion). Scientists then assessed the seed samples to confirm the living microbes found in Terrasym products were evenly distributed across large-scale commercial fields. Over 10,000 live cells per seed were found at each planting stage when delivered through BIO-CAPSULE, 10 times more than traditional applications.



Bokmeyer, J. (2022). Microbial Delivery System Effectiveness on Seed Treatments: A field study of planter box delivery coverage on seed through commercial planter equipment. Indianapolis, IN, Ag Ingenuity Partners.



MORE BUSHELS FOR LESS



16 COMPONENTS



1. Industry-Leading Bradyrhizobia Inoculant

Aggressive multi-strains of Bradyrhizobium for accelerated early season nodulation.



2. METALAXYL

Industry-standard systemic fungicide for control of phytophthora and pythium.



3. PREPHYTE™

Broad-spectrum, EPA-registered fungicide for prevention, control or suppression of many soil-borne diseases.



4. REVLINE®

Proven, industry-leading Terrasym® biostimulant PPFM strain that generates massive root structures and healthier plants.

5. Nitrogen-Fixing Microbes

6. Trichoderma



7. BORNE X™

EPA-registered fungicide to prevent soil-borne fungal diseases such as Fusarium (causal agent for SDS) and Rhizoctonia.



8. GUARD M™

EPA-registered insecticide for soybeans that targets seedcorn maggots and other secondary pests



9. GUARD C™

Bionematicide containing Fungal chitosan to suppress nematodes while stimulating root and plant growth.

BASE PAIL - Seed Fluency blend

10. Seed Fluency

11. IONLOCK™ Manganese (Mn)

12. IONLOCK™ Iron (Fe)

13. IONLOCK™ Zinc (Zn)

(replaces 1.5 qt Zinc 9% EDTA)

14. Active Carbon

15-16. ETHER™ Enzyme Technology





Lipase & Mannanase enzymes that increase biological activity & activate nutrient availability





**VALUE IN THE
PAIL: \$86.00**

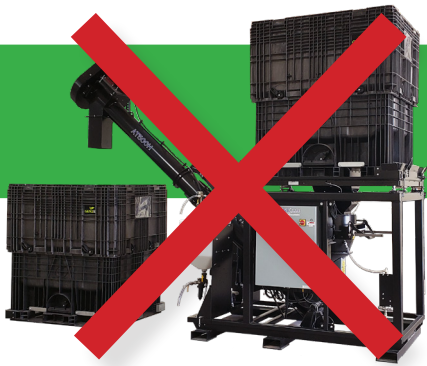
REPLANT: \$40/acre Ask your sales rep about Meristem's \$40/acre replant program on MAXSTAX Soybeans

DEFEND — TAKE COST OUT

| BIO-CAPSULE TECHNOLOGY | HOPPER THROTTLE™ MAXSTAX™ SOYBEAN: Components | Farmer Traditional Liquid Seed Treatment: Components | Farmer Traditional Liquid Seed Treatment: Cost Per Unit of Soybeans Seeding Rate 140,000/AC |
|---|---|--|---|
|  | PREPHYTE & METALAXYL | 2 Fungicides | \$10.00 |
|  | BORNE X & GUARD C | Fungicide for SDS control & nematicide for cyst protection | \$15.00 |
|  | GUARD M | Insecticides | \$3.00 |
|  | Industry-Leading Bradyrhizobia Inoculant | Inoculant | \$3.00 |
| TOTAL DEFENSE VALUE: \$31.00 | | | |

OPTIMIZE — MAKE IT PAY

| BIO-CAPSULE TECHNOLOGY | HOPPER THROTTLE™ MAXSTAX™ SOYBEAN: <i>Components</i> | Plant Health & Yield Drivers: <i>Components</i> | Plant Health & Yield Drivers: <i>Cost</i> |
|---|---|---|---|
|  | REVLIN | PGR | \$6.00 |
| | Nitrogen-Fixing Microbes Trichoderma | Nitrogen Fixers/Nutrients Solubilizer | \$12.00 |
|  | ETHER Enzyme Technology with Active Carbon | Starter: 6-24-6 | \$24.00 |
| | IONLOCK Zinc | 1.5 qt Zinc 9% EDTA | \$6.00 |
| | IONLOCK Mn & Fe | Mn & Fe | \$1.00 |
| | Seed Fluency | Seed Fluency | \$1.00 |
| | Seed cost savings by dropping seeding rate to 110,000/AC | | \$5.00 |
| | TOTAL OPTIMIZATION VALUE: \$55.00 | | |

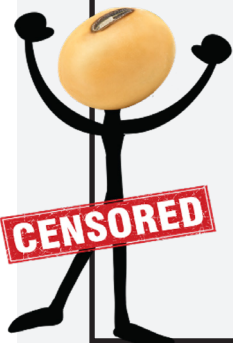


DITCH THE SEED TREATER. BUY NAKED BEANS.

Farmers can now buy naked seed and use seed fluency through MAXSTAX to replace liquid seed treatment, providing them better financial options to drive for more bushels for less.



BROAD-SPECTRUM CONTROL AGAINST PESTS & MULTIPLE MODES OF ACTION



GUARD M III
INSECT PROTECTION

GUARD C III
NEMATODE PROTECTION

BORNE X III
SDS PROTECTION

PREPHYTE III
BROAD-SPECTRUM FUNGICIDE

METALAXYL III
INDUSTRY STANDARD FUNGICIDE



TREATED
GUARD M 0.1oz/cwt



**UNTREATED
CONTROL**

Stand loss is a result of heavy SCM pressure. Soybean following Corn and Rye CC.

14K more plants per acre with GUARD M protection

(Photos from Seedcorn maggot study, York NE)

TREATED



CONTROL



GUARD C + BORNE X + PREPHYTE + Metalaxyl on left (two row plots) and Untreated Control (two rows) on right.



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