



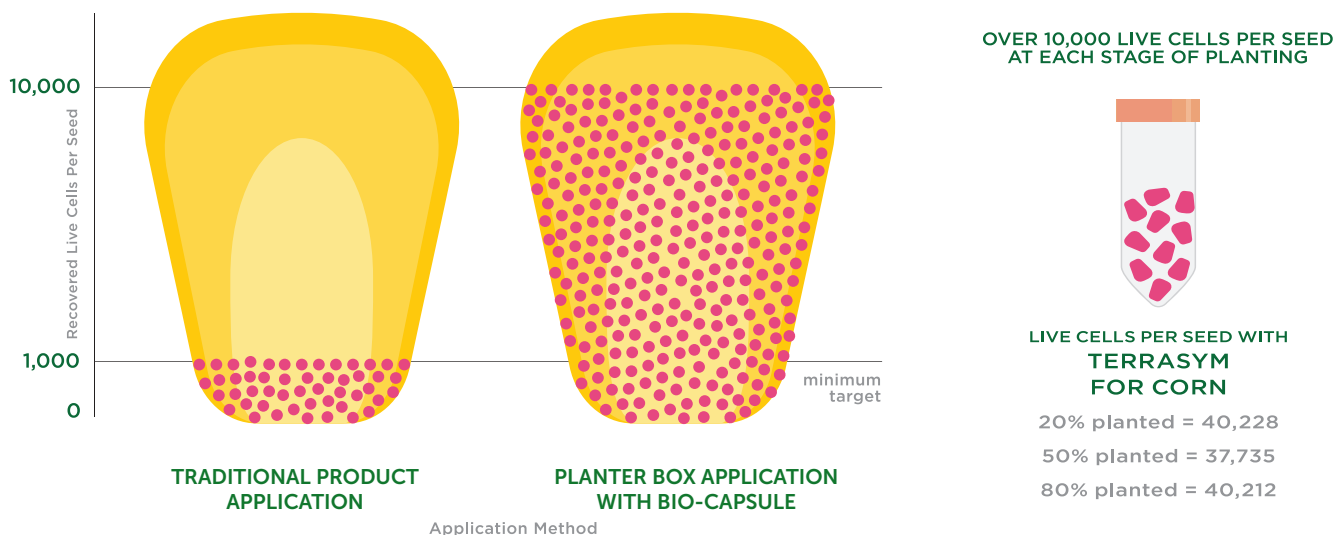
ULTIMATE CORN PROTECTION

HOPPER THROTTLE MAXSTAX Corn is a revolutionary combination of 13 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 deliver multiple, EPA-registered control options to maximize corn yields.

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

13 COMPONENTS



1. REVLIN®

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

2. Nitrogen-Fixing Microbes



3. PREPHYTE™

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



4. GUARD X™

Multiple-mode-of-action bioinsecticide to alleviate corn rootworm feeding.



5. GUARD M™

EPA-registered bioinsecticide that targets seedcorn maggots and other secondary pests.



6. GUARD C™

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

BASE PAIL - Seed Fluency blend

7. Seed Fluency

8. IONLOCK™ Manganese (Mn)

9. IONLOCK™ Iron (Fe)

10. IONLOCK™ Zinc (Zn)
(equivalent to 1.5 qt Zinc 9% EDTA)

11. Active Carbon



12-13. ETHER™ Enzyme Technology

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





**VALUE IN THE
PAIL: \$99.00**

DEFEND — TAKE COST OUT

| BIO-CAPSULE TECHNOLOGY | HOPPER THROTTLE™ MAXSTAX™ CORN: <i>Components</i> | Farmer Traditional: <i>Components</i> | Farmer Traditional: <i>Cost Per Unit of Corn</i> |
|---|---|--|---|
|  | PREPHYTE | In-furrow fungicide | \$15.00 |
|  | GUARD X | CRW and broad-spectrum seedling pest and nematode protection | \$24.00 |
| | GUARD C & GUARD M | | \$7.00 |
| TOTAL DEFENSE VALUE: \$46.00 | | | |

OPTIMIZE — MAKE IT PAY

| BIO-CAPSULE TECHNOLOGY | HOPPER THROTTLE™ MAXSTAX™ CORN: Components | Plant Health & Yield Drivers: Components | Plant Health & Yield Drivers: Cost |
|---|--|--|------------------------------------|
|  | REVLIN | PGR | \$6.00 |
| | Nitrogen-Fixing Microbes | Nitrogen Fixation Biology | \$15.00 |
|  | ETHER Enzyme Technology with Active Carbon | Starter: ie. 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 |
| TOTAL OPTIMIZATION VALUE: \$53.00 | | | |

HOPPER THROTTLE™ MAXSTAX™ CORN



BROAD-SPECTRUM CONTROL AGAINST PESTS & MULTIPLE MODES OF ACTION

GUARDM™
INSECT PROTECTION

GUARDC™
NEMATODE PROTECTION

PREPHYTE™
BROAD-SPECTRUM FUNGICIDE

GUARDX™
CRW PROTECTION + ROOT REGEN

PREPHYTE™
BROAD-SPECTRUM FUNGICIDE

+ 6 bu/ac avg.

Across 40 plots at 10 trial sites, PREPHYTE (179.9 bu/ac) applied in-furrow had an average yield increase of +6 bu/ac compared to the untreated control (173.9 bu/ac).

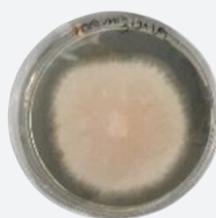


CONTROL

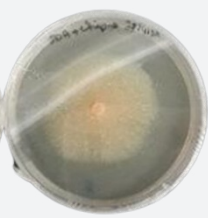


TREATED

GUARD C showcases excellent results on controlling Fusarium, whereas traditional animal chitosan shows very little results (below).



PDA



ANIMAL
CHITOSAN



GUARDC™
NEMATODE PROTECTION

GUARDX™
CRW PROTECTION + ROOT REGEN

+ 8.8 bu/ac avg.

In 65 multi-year, large plot field trials across 9 states, GUARD X has shown an average yield increase of +8.8 bu/ac compared to grower standard practice. This average is an aggregate of trials with and without CRW pressure.



1-833-637-4783 (MERISTEM)
meristemag.com

MERISTEM
CROP PERFORMANCE