



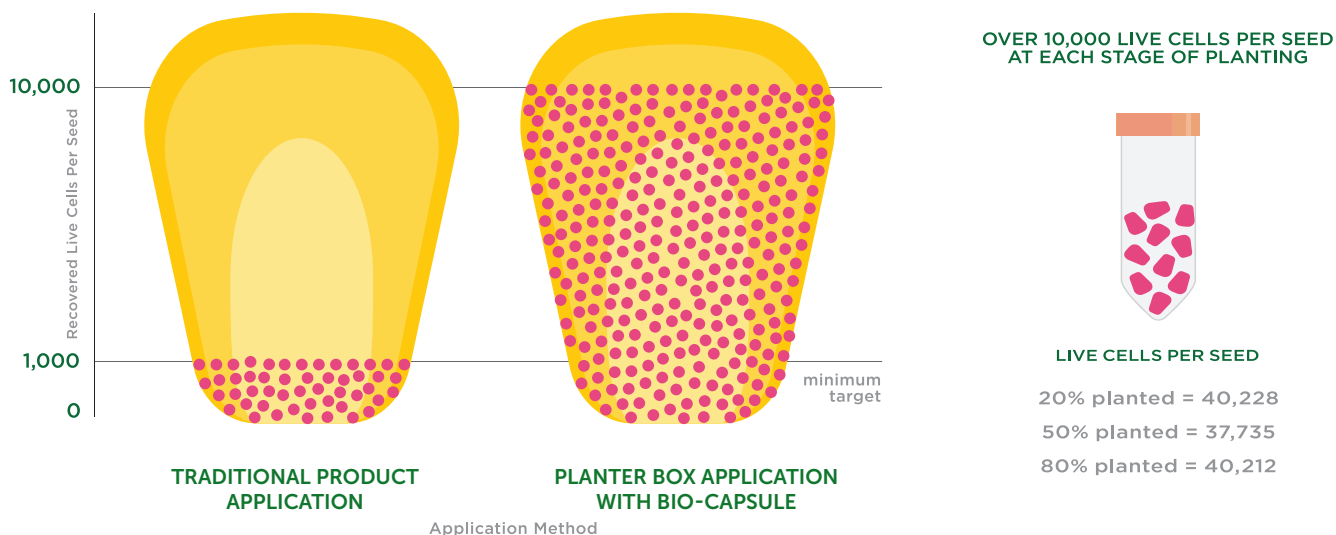
ULTIMATE CORN PACKAGE

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 Revline® 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 Revline 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 BUSHEL FOR LESS



13 COMPONENTS

Co-packed with Guard C™, Guard X™ and Prephyte™ ST*



1. Revline®

Proven, industry-leading biostimulant PPFM strain that builds massive root structures & healthier plants.

2. Nitrogen-Fixing Microbes



3. Guard X™

EPA Reg. No.: 95699-2-95552

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



4. Prephyte™ ST

EPA Reg. No.: 94485-5

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



5. Protectis™ *Beauveria Bassiana*

A fungal strain that increases microbial activity and promotes plant vigor during periods of stress.



6. Guard C™

FIFRA 25b Exempt Product

Bionematicide containing Fungal chitosan to suppress nematodes

BASE PAIL - Seed Fluency blend

7. Seed Fluency

8. IonLock™ Manganese (Mn)

9. IonLock™ Iron (Fe)

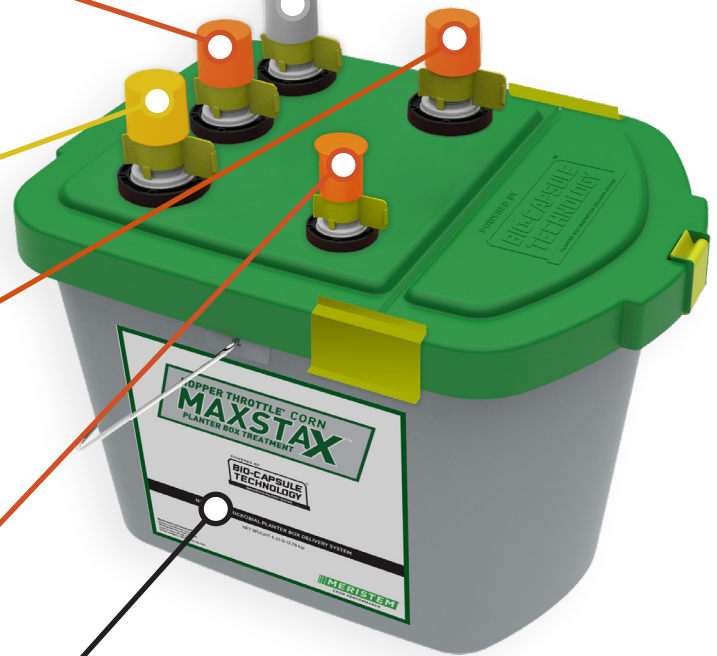
10. IonLock™ Zinc (Zn)

(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/A



*Guard C: FIFRA 25b Exempt Product | Guard X EPA Reg No.: 95699-2-95552 | Prephyte ST EPA Reg No.: 94485-5

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DEFEND — TAKE COST OUT

Bio-Capsule Technology	Hopper Throttle MaxStax Corn: Components	Farmer Traditional: Components	Farmer Traditional: Cost Per Unit of Corn
	Prephyte ST*	In-furrow fungicide	\$15.00
	Guard X*	CRW and broad-spectrum seedling pest and nematode protection	\$24.00
	Guard C*		\$4.00
	Protectis	Beauveria Bassiana	\$3.00
TOTAL DEFENSE VALUE: \$46.00/acre			

OPTIMIZE — MAKE IT PAY

Bio-Capsule Technology	Hopper Throttle MaxStax Corn: Components	Plant Health & Yield Drivers: Components	Plant Health & Yield Drivers: Cost
	Revline	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/acre			

*Prephyte ST EPA Reg. No.: 94485-5 | Guard X EPA Reg. No.: 95699-2-95552 | Guard C FIFRA 25b Exempt Product

HOPPER THROTTLE® MAXSTAX™ CORN



**BROAD-SPECTRUM REPELLENT AGAINST PESTS
& MULTIPLE MODES OF ACTION**

GUARD C
NEMATODE PROTECTION

PREPHYTEST
BROAD-SPECTRUM FUNGICIDE

GUARD X
CRW PROTECTION + ROOT REGEN

PREPHYTEST
BROAD-SPECTRUM FUNGICIDE

+ 6 bu/ac avg.

Across 40 plots at 10 trial sites, Prephyte ST (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).

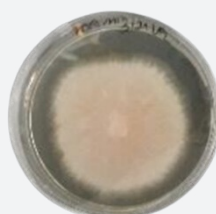


CONTROL

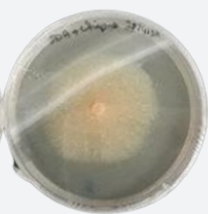


TREATED

Guard C showcases excellent results on targeting fungal issues, whereas traditional animal chitosan shows very little results (below).



PDA



ANIMAL
CHITOSAN



GUARD C
NEMATODE PROTECTION

GUARD X
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)
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MERISTEM
CROP PERFORMANCE

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