TAKING COST OUT MEANS *MORE BUSHELS FOR LESS.*™

Utilize products at plant that **turn your crop into its own mode of action** — priming the plant to stand up to stress, pests, and diseases.

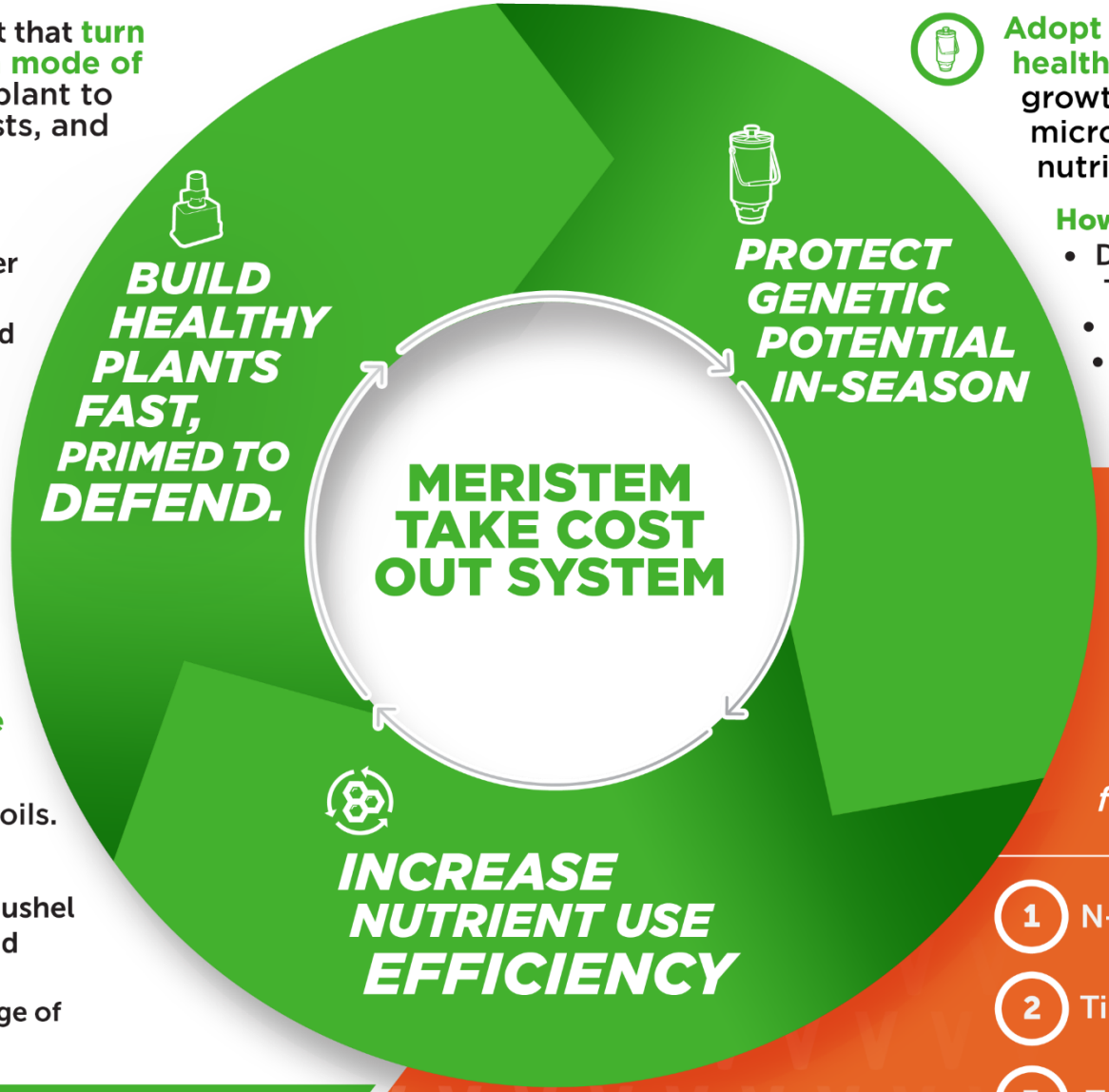
How You Win

- Decrease Cost of Starter Fertilizer
- Reduce Pesticide Spend
- Deploy Bio-Capsule Technology to cut seed and *"trait"* cost

Apply residue breakdown and bio-friendly nitrogen management practices **to speed up decomposition, release nutrients and protect nitrogen** — building healthier, more active soils.

How You Win

- Reduce Nitrogen per Bushel
- Decrease P and K Spend
- Reduce Tillage
- Prepare to take advantage of 45Z/Carbon Programs



Adopt a program to optimize plant health through enzymes, plant growth regulators, amino acids and micronutrients delivering targeted nutrition and stress relief.

How You Win

- Decrease the Cost of Traditional Fungicides
- Reduce Nitrogen per Bushel
- Decrease Adjuvant Cost

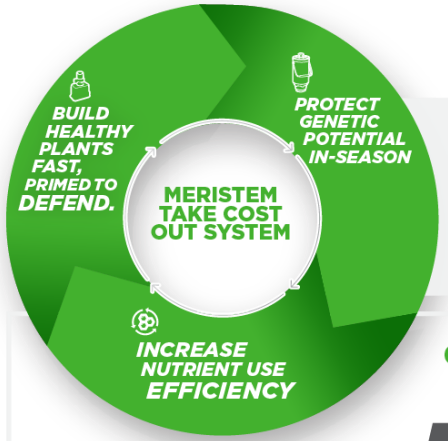
Meristem's approach to delivering products and access to new technology takes cost out of traditional practices in the following areas:

1. N-P-K
2. Tillage
3. Traits
4. Seed Treatment
5. Fungicide & Insecticide
6. Adjuvants

MERISTEM® CROP PERFORMANCE

BIO-CAPSULE™ TECHNOLOGY INNOVATION DELIVERY SYSTEM

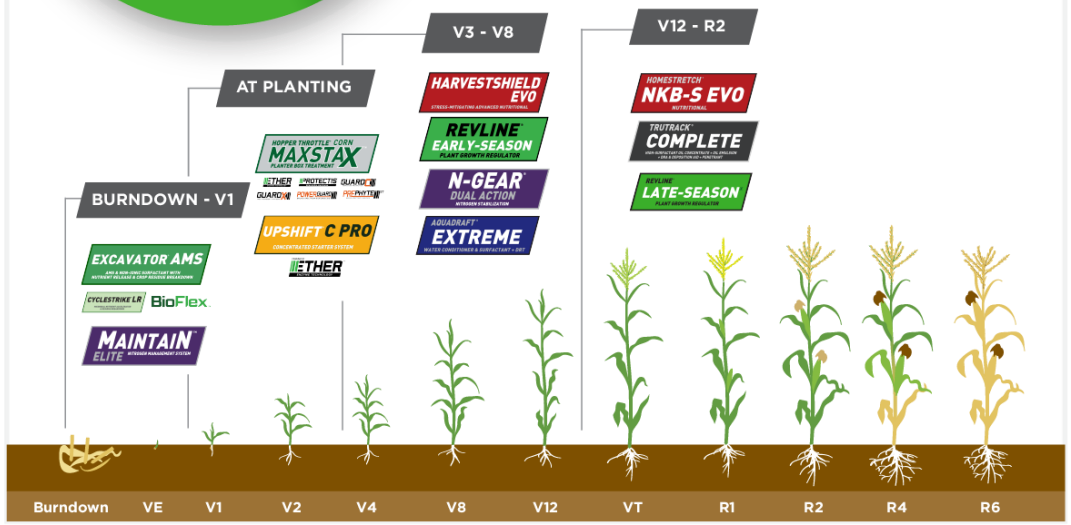
TAKE COST OUT PROGRAMS



Meristem's approach to delivering products and access to new technology takes cost out of traditional practices in the following areas:

1. N-P-K
2. Tillage
3. Traits
4. Seed Treatment
5. Fungicide & Insecticide
6. Adjuvants

Corn Program



TAKE COST OUT OPPORTUNITY PER ACRE

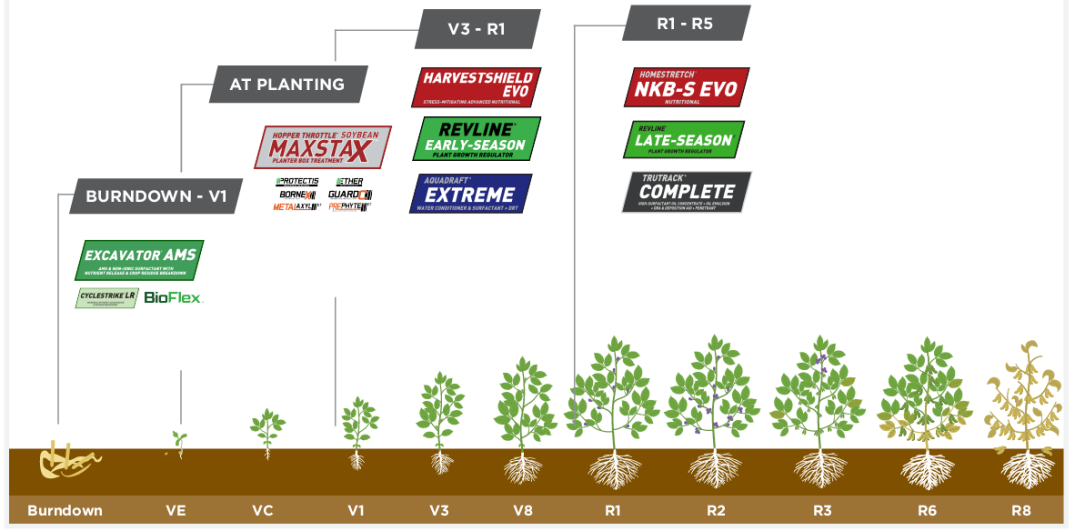
Pre-Plant	*At Plant & Early Vegetative*	*Reproductive*
$30 - $70	**$10 - $85**	**$3 - $20**

Take Cost Out:
- Reduce Nitrogen per Bushel
- Decrease P-K Spend
- Reduce Tillage
- Prepare to take advantage of 45Z/Carbon Programs

Take Cost Out:
- Cut seed and *"trait"* cost
- Decrease Cost of Starter Fertilizer
- Reduce Pesticide Spend
- Reduce Nitrogen per Bushel

Take Cost Out:
- Decrease the Cost of Traditional Fungicides
- Decrease Adjuvant Cost

Soybean Program



TAKE COST OUT OPPORTUNITY PER ACRE

Pre-Plant	*At Plant & Early Vegetative*	*Reproductive*
$20 - $50	**$5 - $20**	**$3 - $20**

Take Cost Out:
- Decrease P-K Spend
- Reduce Tillage
- Prepare to take advantage of Carbon Programs

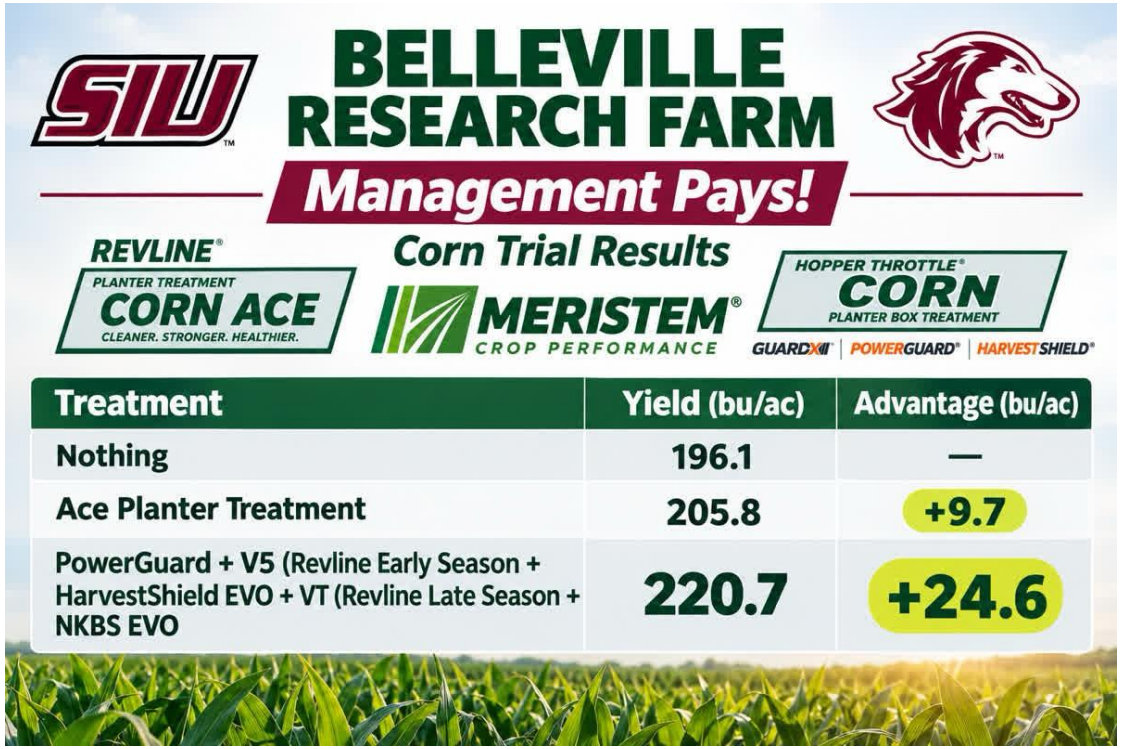
Take Cost Out:
- Go naked and plant early– $60 replant
- Decrease seed treatment cost

Take Cost Out:
- Decrease the Cost of Traditional Fungicides
- Decrease Adjuvant Cost

MERISTEM CROP PERFORMANCE
BIO-CAPSULE TECHNOLOGY

Southern IL University
Replicated Research Trials

Biofungicide @ Plant + In-season Stress Mitigation WINS!



SIU BRC		
Corn		
Treatments		
1	Standard Grower Practices	
2	ST =Corn Ace + Prephite	
3	ST = Corn Ace + Prephite and Power Guard	
	At V5 Apply Revline Early @ 2 oz/ac + HavestShield EVO @ 1 pint/ac	
	At VT Apply Revline Late season at 13 oz/ac + NKBS EVO @ 1 pint/ac	

POWERGUARD™ II
BROAD-SPECTRUM BIOFUNGICIDE

PREPHYTE™ II ST
BROAD-SPECTRUM FUNGICIDE

HOPPER THROTTLE® SOYBEAN
MAXSTAX™
PLANTER BOX TREATMENT

ETHER™ ENZYME TECHNOLOGY
PROTECTIS™ BEAUVERIA BASSIANA
BORNEX™ SDS PROTECTION
GUARDIAN™ NEMATODE PROTECTION
METALAXYL™ ST INDUSTRY STANDARD FUNGICIDE
PREPHYTE™ ST BROAD-SPECTRUM FUNGICIDE

EXCAVATOR® AMS
AMS & NON-IONIC SURFACTANT WITH
NUTRIENT RELEASE & CROP RESIDUE BREAKDOWN

WITH

CYCLESTRIKE™ LR
MICROBIAL NUTRIENT ACCELERATOR & RESIDUE BREAKDOWN

BioFlex™

Rank	Treatment	Yield (bu/ac)	Yield Difference (bu/ac)	$/Ac Advantage vs Check
1	**MaxStax + Excavator**	**89.7**	**+3.7**	**+$44.40**
2	Control + Excavator AMS	88.6	+2.6	+$31.20
3	Control + Excavator AMS + ILEVO	87.0	+1.0	+$12.00
4	Control Check	86.0	0.0	$0.00

Dr. Mueller – Dr. Dangal ISU. Random complete block design – replicated field trial. Kanawha, IA. 1.5” planting depth. Drip Irrigation. Planted 6.5.26. Harvest 10.23.26. Top 4 entries in Replicated Trial.

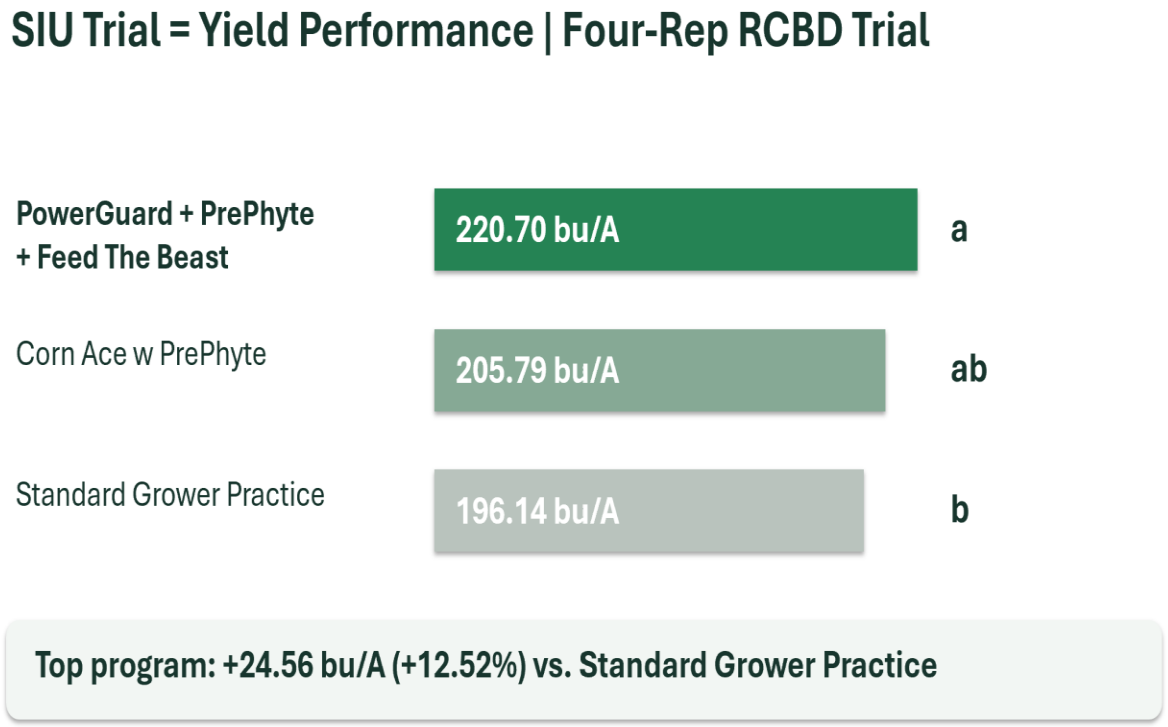
Field-scale and commercial proof

Third-party strips plus Meristem crown rot experience

Ohio State eFields 2025

+10 bu/A **+$24/A**

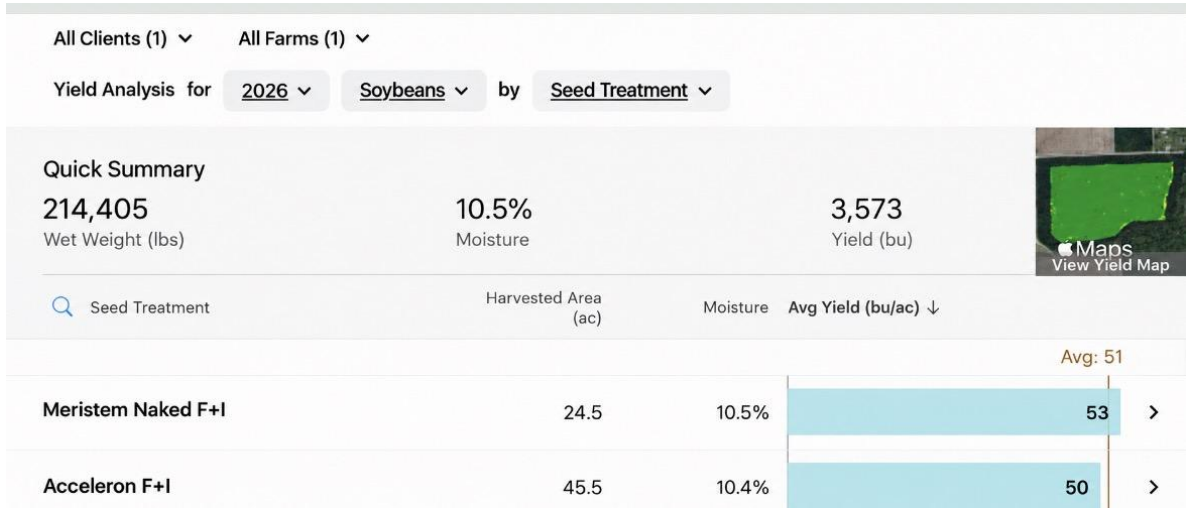
207 vs 197 bu/A. Hopper Throttle Corn Lyte + Prephyte ST vs talc and graphite; 225 acres, 30 replications, split planter.



Source: Ohio's Country Journal

---Internal Use---

Double Crop Soy S. IL



HOPPER THROTTLE®

SOYBEAN F+I

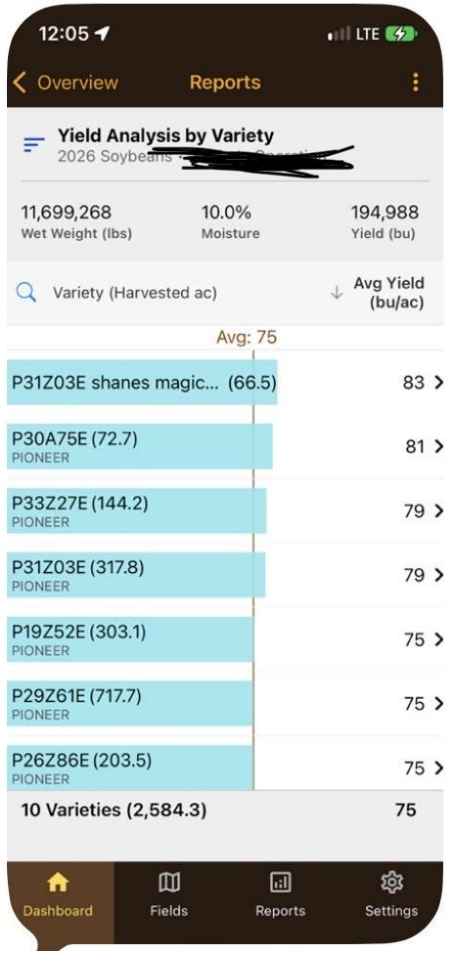
PLANTER BOX TREATMENT

PROTECTIS™ BEAUVERIA BASSIANA

METALAXYL ST INDUSTRY STANDARD FUNGICIDE

PREPHYTE™ ST BROAD-SPECTRUM FUNGICIDE

Your magic dust in the soybeans topped our yield



HOPPER THROTTLE® SOYBEAN MAXSTAX™ PLANTER BOX TREATMENT

ETHER™ ENZYME TECHNOLOGY

PROTECTIS™ BEAUVERIA BASSIANA

BORNEXII™ SDS PROTECTION

GUARDCII™ NEMATODE PROTECTION

METALAXYL II ST INDUSTRY STANDARD FUNGICIDE

PREPHYTE II ST BROAD-SPECTRUM FUNGICIDE

Naked Soybean with MaxStax Soybean

Vs

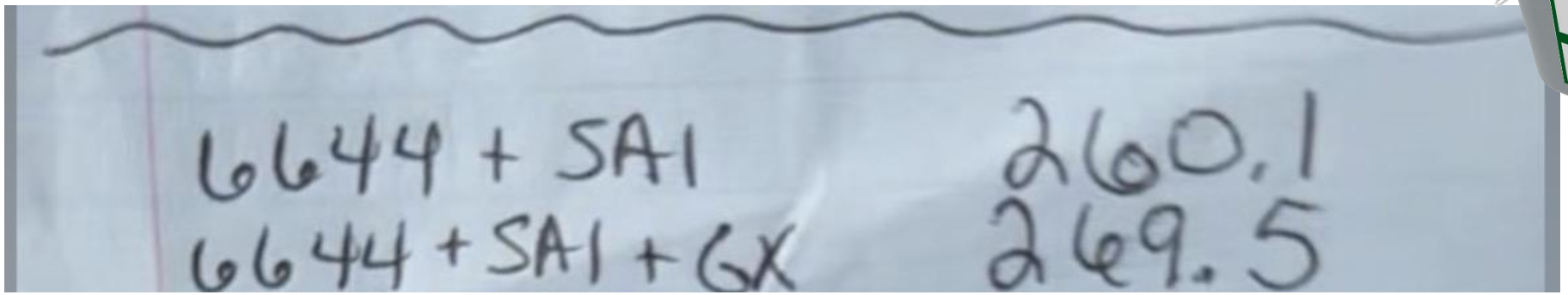
Fully Treated PPST + ILeVO all acres

Soil Applied Insecticide vs

GuardX + Soil Applied Insecticide

Heavy CRW Pressure



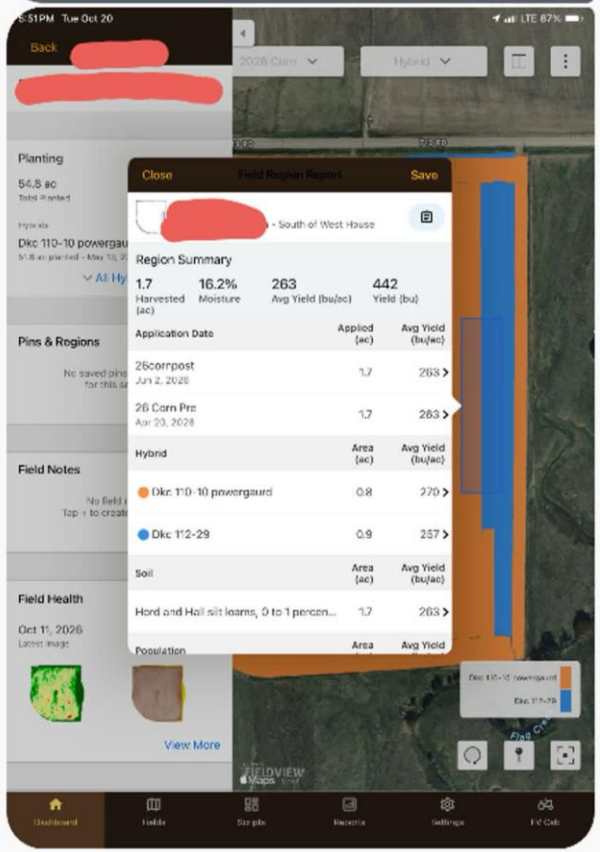


GUARDX™

INSECT MANAGEMENT + ROOT REGEN

here vs 110-10 with the new Power guard fungicide on seed. Hard to compare across hybrids but just had it in a block here and not split planted.

4:21 PM



4:21 PM

I would say it is average and if it made one 1010 excel that much in front of it it worked

4:42 PM

POWERGUARD™

BROAD-SPECTRUM BIOFUNGICIDE

POWERGUARD™

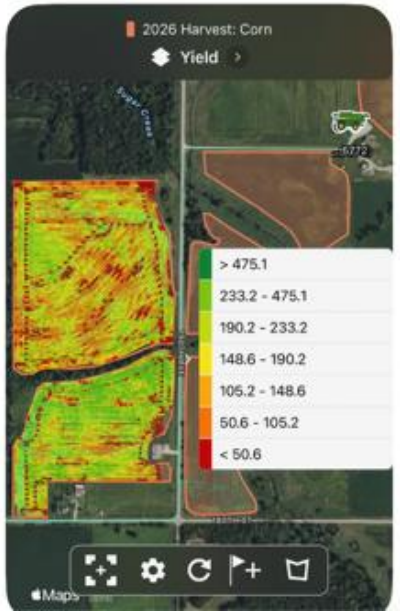
BROAD-SPECTRUM BIOFUNGICIDE

SE Iowa - “Prephyte and power guard might be legit”!

Top basically no power guard but the green point rows up top.

Bottom field was all both Prephyte and power guard.

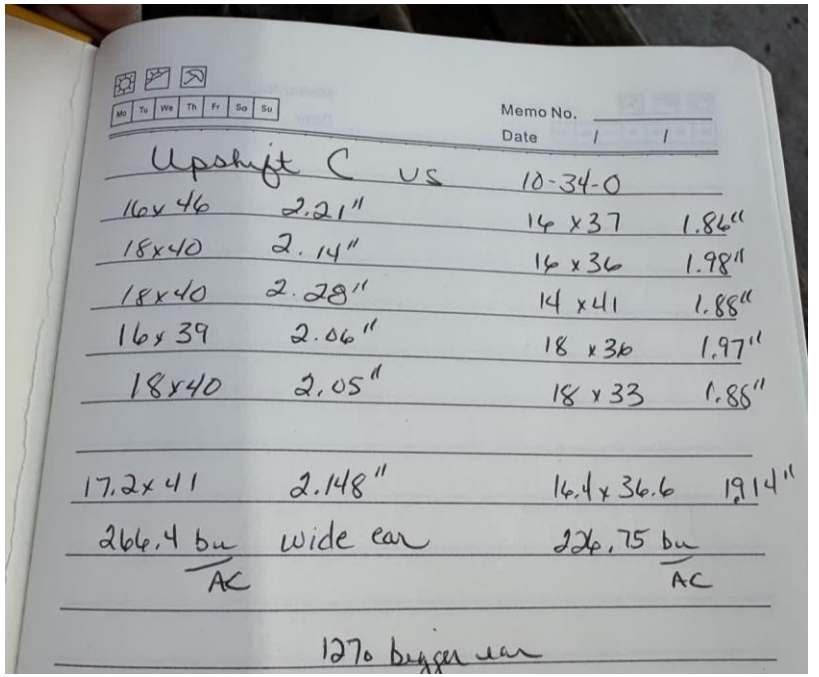
Making 240-300 on south side and 190-235 on north side. Grower says power guard addition worth at least 15-20 bushel in this test. 💥💥











Upshift C vs

16x46	2.21"	14x37	1.84"
18x40	2.14"	14x36	1.98"
18x40	2.28"	14x41	1.88"
16x39	2.06"	18x36	1.97"
18x40	2.05"	18x33	1.88"
17.2x41	2.148"	16.4x36.6	1.914"
266.4 bu/AC	wide ear	226.75 bu/AC	

1270 bigger ear

EXCAVATOR® AMS

AMS & NON-IONIC SURFACTANT WITH
NUTRIENT RELEASE & CROP RESIDUE BREAKDOWN

CYCLESTRIKE™ LR

MICROBIAL NUTRIENT ACCELERATOR
& RESIDUE BREAKDOWN

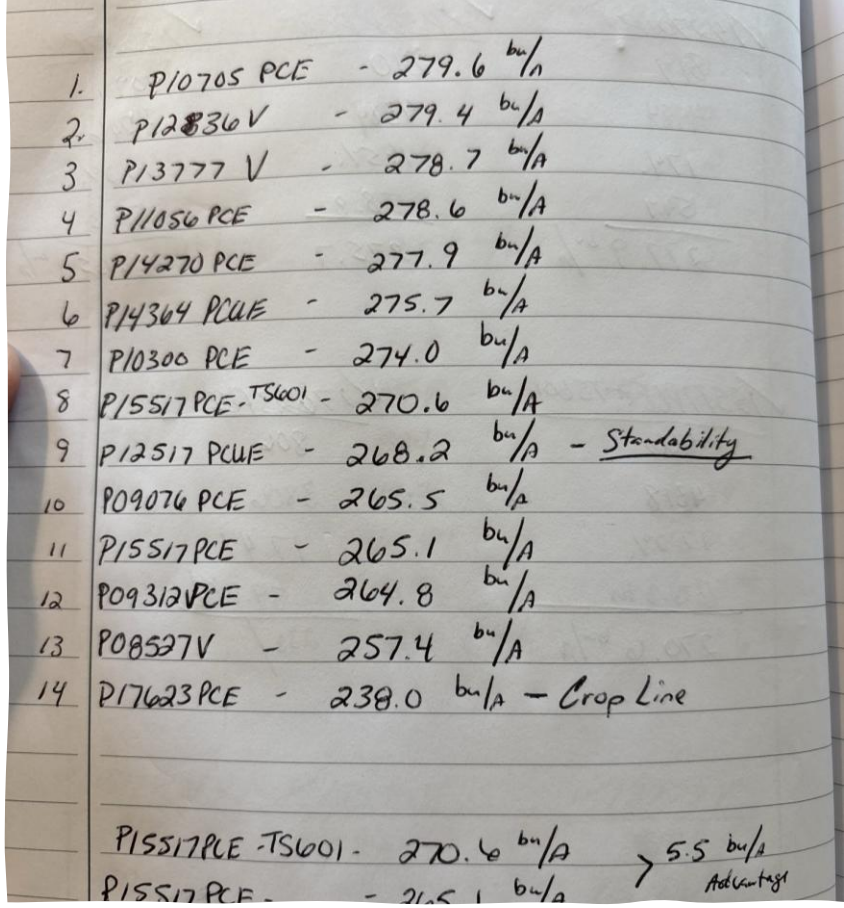
BioFlex™



Excavator AMS 10 days after application in North Dakota



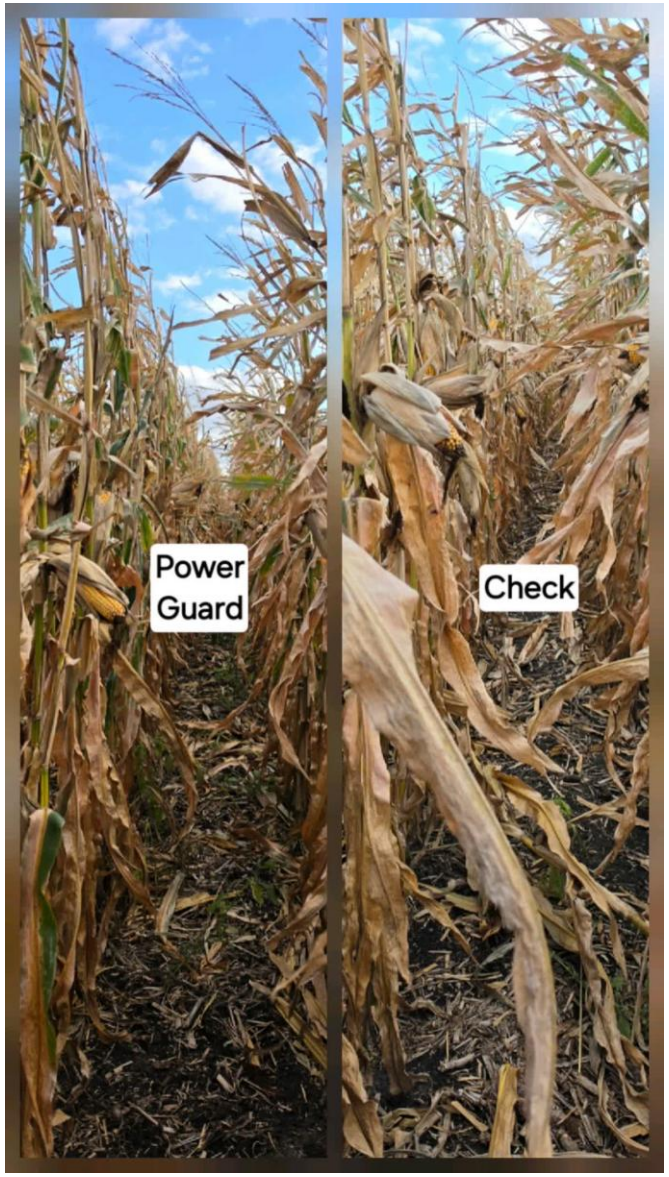




+5.5 bu/ac preserved

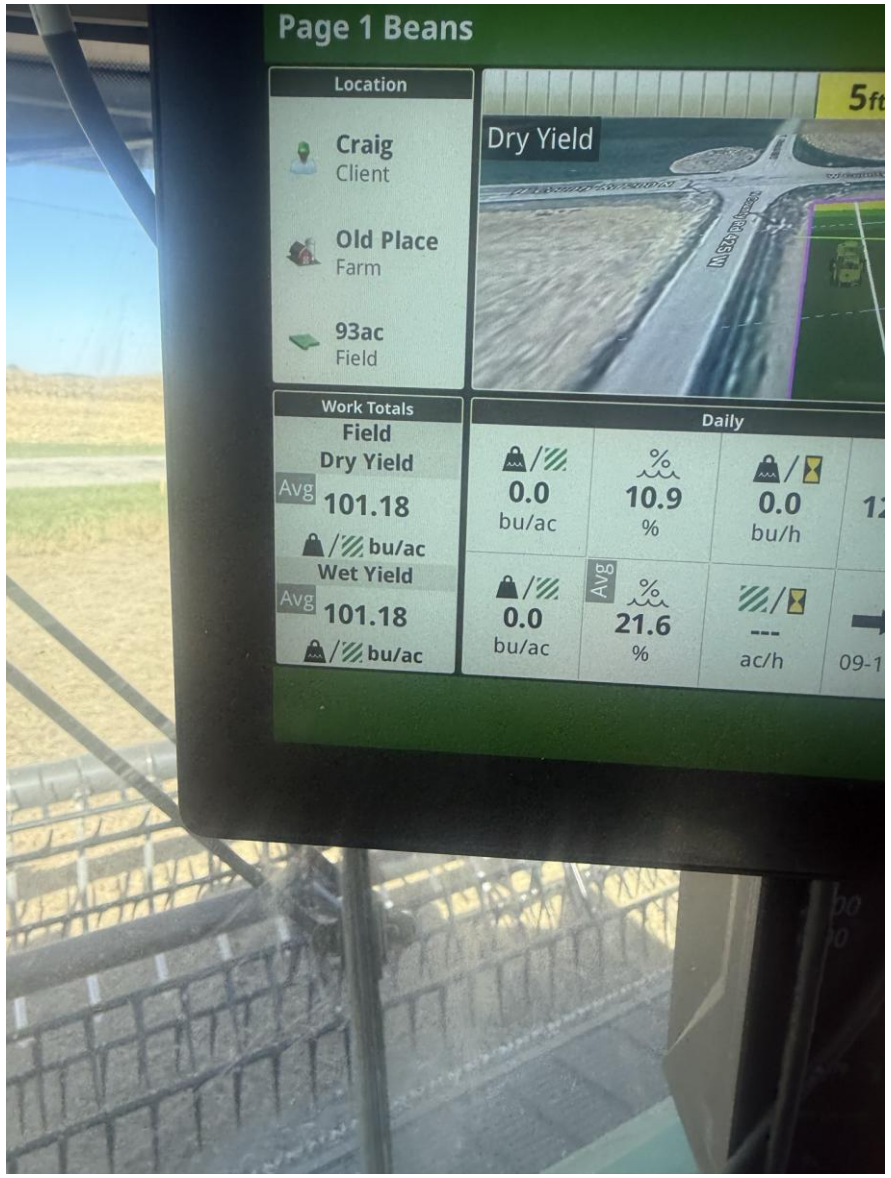
POWERGUARD™
BROAD-SPECTRUM BIOFUNGICIDE

- Powerguard side by side with a pioneer dealer in Southwest Iowa-looks good! Ears weight about 1.3# more and it's 1.1% wetter. Will have a weighed check in a week or so hopefully!



Nice late season plant health
Picture taken 10/15
No fungicide applied in-season

POWERGUARD™
BROAD-SPECTRUM BIOFUNGICIDE



EXCAVATOR® AMS
AMS & NON-IONIC SURFACTANT WITH NUTRIENT RELEASE & CROP RESIDUE BREAKDOWN

WITH

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BORNEX® SDS PROTECTION

GUARDIAN™ NEMATODE PROTECTION

METALAXYL® 1ST INDUSTRY STANDARD FUNGICIDE

PREPHYTE® 1ST BROAD-SPECTRUM FUNGICIDE

Meristem System Pays!

HARVESTSHIELD® EVO
STRESS-MITIGATING ADVANCED NUTRITIONAL

HOMESTRETCH®
NKB-S EVO
NUTRITIONAL

REVLINE®
EARLY-SEASON
PLANT GROWTH REGULATOR

REVLINE™
LATE-SEASON
PLANT GROWTH REGULATOR

POWERGUARD™

BROAD-SPECTRUM BIOFUNGICIDE





HOPPER THROTTLE® CORN

MAXSTAX™

PLANTER BOX TREATMENT

ETHER™ ENZYME TECHNOLOGY

PROTECTIS™ BEAUVERIA BASSIANA

GUARDC™ NEMATODE PROTECTION

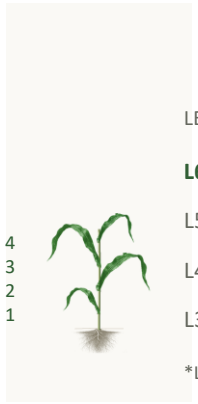
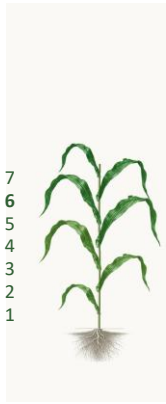
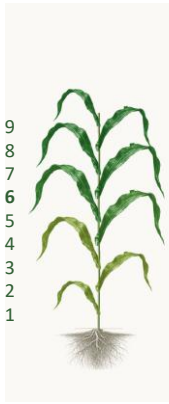
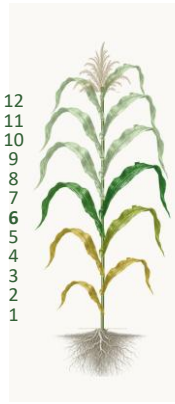
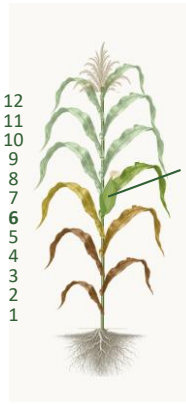
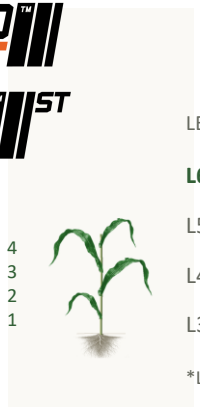
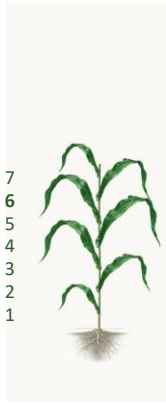
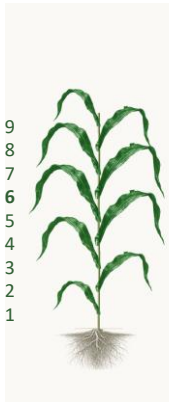
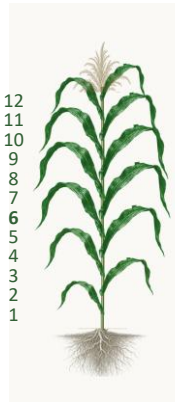
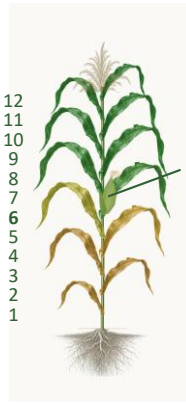
GUARDX™ INSECT MANAGEMENT + ROOT REGEN

POWERGUARD™ BROAD-SPECTRUM BIOFUNGICIDE

PREPHYTE™ST BROAD-SPECTRUM FUNGICIDE

Advance Seed Treatment -Watch Disease Move Up the Plant

Weekly ratings by days after planting • Check vs. Prephyte + PowerGuard • PIO 1690, Quitman, Georgia

	42 days 4 ABOVE GROUND	49 days 7 ABOVE GROUND	56 days 9 ABOVE GROUND	63 days VT	70 days R1
CHECK Untreated **Ear after VT** **Above-ground L6**	 LEAF / SEVERITY **L6*** **2.3%** a L5* **7.5%** a L4 **13.0%** a L3 **20.5%** a *L5–L6: table only	 LEAF / SEVERITY **L6** **7.0%** a L5 **12.8%** a L4 **21.8%** a L3 **28.8%** a	 LEAF / SEVERITY **L6** **9.5%** a L5 **16.5%** a L4 **26.0%** a L3 **36.8%** a	 LEAF / SEVERITY **L6** **12.5%** a L5 **25.8%** a L4 **41.3%** a L3 **56.0%** a	 LEAF / SEVERITY **L6** **36.8%** b L5 **56.5%** ab L4 **69.8%** abc L3 **83.5%** a 108 bu/ac
POWERGUARD BROAD-SPECTRUM BIOFUNGICIDE PREPHYTE ST BROAD-SPECTRUM FUNGICIDE Seed-treatment program **Ear after VT** **Above-ground L6**	 LEAF / SEVERITY **L6*** **0.0%** b L5* **0.0%** b L4 **0.0%** b L3 **0.8%** d *L5–L6: table only	 LEAF / SEVERITY **L6** **0.0%** b L5 **0.0%** c L4 **0.0%** c L3 **3.0%** c	 LEAF / SEVERITY **L6** **0.0%** b L5 **0.0%** b L4 **1.5%** c L3 **6.8%** c	 LEAF / SEVERITY **L6** **0.0%** c L5 **0.0%** c L4 **2.3%** d L3 **8.8%** e	 LEAF / SEVERITY **L6** **23.0%** d L5 **49.5%** b L4 **64.3%** cd L3 **70.3%** c 166 bu/ac

LEAF DISEASE SEVERITY

Shared nonlinear color scale



L1 = lowest leaf above soil; count upward, not V stages. Mature leaf count is schematic.

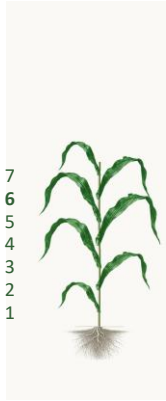
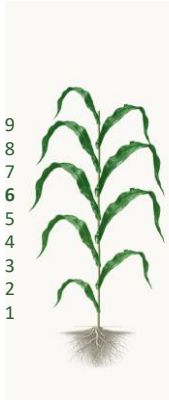
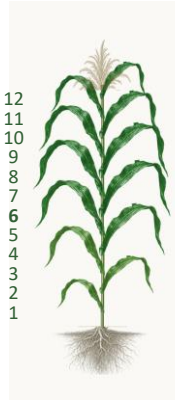
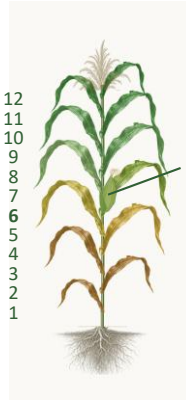
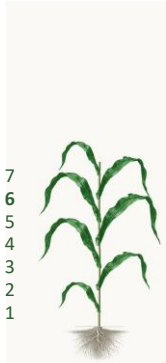
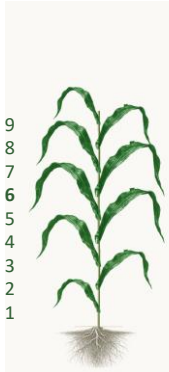
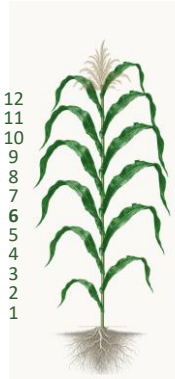
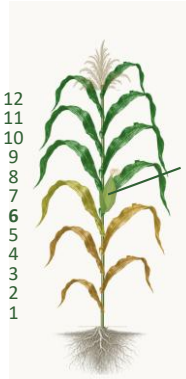
Within a leaf and week, shared letters = not different (LSD, P = 0.05).

Data: Powerguard-slides-Data.pptx, slides 2–6 • Trial 26-MERISTEM-CORN-LB-ST • GLC Consulting

Advance Seed Treatment -Watch Disease Move Up the Plant

Weekly ratings by days after planting • Xyway vs. Prephyte + PowerGuard • PIO 1690, Quitman, Georgia

Check = 108bu/ac

	42 days 4 ABOVE GROUND	49 days 7 ABOVE GROUND	56 days 9 ABOVE GROUND	63 days VT	70 days R1
XYWAY In-furrow **Ear after VT** **Above-ground L6**	 LEAF / SEVERITY L6* 0.0% b L5* 0.0% b L4 1.3% b L3 4.0% c *L5–L6: table only	 LEAF / SEVERITY L6 0.0% b L5 2.3% b L4 6.3% b L3 8.3% b	 LEAF / SEVERITY L6 0.0% b L5 2.0% b L4 8.5% b L3 17.3% b	 LEAF / SEVERITY L6 0.8% bc L5 6.8% b L4 13.0% c L3 28.0% c	 LEAF / SEVERITY L6 36.5% b L5 53.8% ab L4 62.3% d L3 75.5% bc 144 bu/ac
POWERGUARD BROAD-SPECTRUM BIOFUNGICIDE PREPHYTE ST BROAD-SPECTRUM FUNGICIDE Seed-treatment program **Ear after VT** **Above-ground L6**	 LEAF / SEVERITY L6* 0.0% b L5* 0.0% b L4 0.0% b L3 0.8% d *L5–L6: table only	 LEAF / SEVERITY L6 0.0% b L5 0.0% c L4 0.0% c L3 3.0% c	 LEAF / SEVERITY L6 0.0% b L5 0.0% b L4 1.5% c L3 6.8% c	 LEAF / SEVERITY L6 0.0% c L5 0.0% c L4 2.3% d L3 8.8% e	 LEAF / SEVERITY L6 23.0% d L5 49.5% b L4 64.3% cd L3 70.3% c 166 bu/ac

LEAF DISEASE SEVERITY

Shared nonlinear color scale

0% 25% 40% 60% 80% 100%

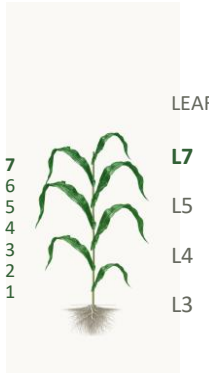
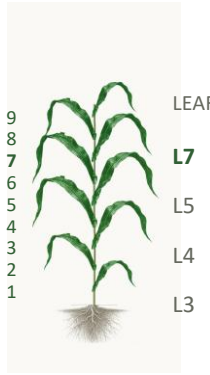
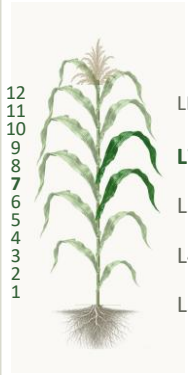
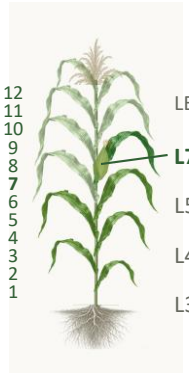
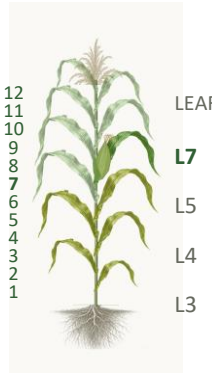
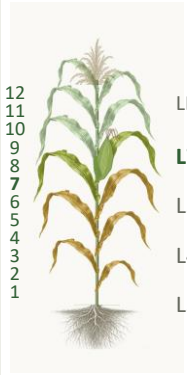
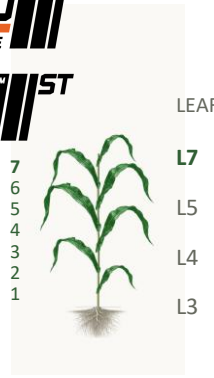
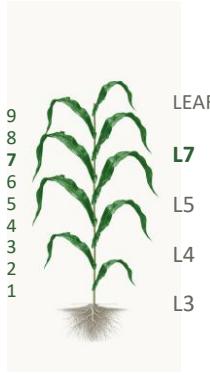
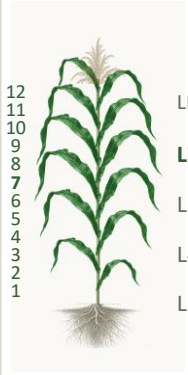
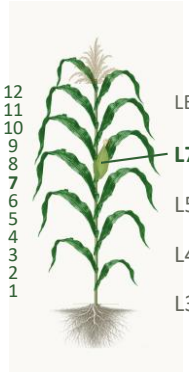
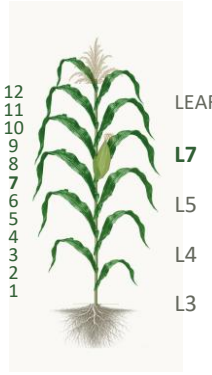
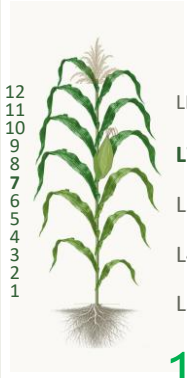
L1 = lowest leaf above soil; count upward, not V stages. Mature leaf count is schematic.

Within a leaf and week, shared letters = not different (LSD, P = 0.05).

Data: Powerguard-slides-Data.pptx, slides 2–6 • Trial 26-MERISTEM-CORN-LB-ST • GLC Consulting

Advance Seed Treatment -Watch Disease Move Up the Plant

Weekly ratings by days after planting • Check vs. Prephyte + PowerGuard • PIO 1690, Quitman, Georgia

	49 days 7 ABOVE GROUND	56 days 9 ABOVE GROUND	63 days VT	70 days R1	77 days R2	84 days R3
CHECK Untreated **Ear after VT** **Above-ground L7**	 LEAF / SEVERITY L7 0.0% ns L5 2.3% a L4 5.3% a L3 13.5% a	 LEAF / SEVERITY L7 0.0% ns L5 6.0% a L4 8.8% a L3 NR	 LEAF / SEVERITY L7 7.5% a L5 16.0% a L4 NR L3 NR	 LEAF / SEVERITY L7 18.3% a L5 31.0% a L4 NR L3 NR	 LEAF / SEVERITY L7 30.3% a L5 43.3% a L4 NR L3 NR	 LEAF / SEVERITY L7 42.0% a L5 66.3% a L4 NR L3 NR 116 bu/ac
POWERGUARD BROAD-SPECTRUM BIOFUNGICIDE PREPHYTE ST BROAD-SPECTRUM FUNGICIDE Seed-treatment program **Ear after VT** **Above-ground L7**	 LEAF / SEVERITY L7 0.0% ns L5 0.0% c L4 0.0% c L3 1.5% c	 LEAF / SEVERITY L7 0.0% ns L5 0.5% c L4 0.8% d L3 NR	 LEAF / SEVERITY L7 0.0% d L5 1.5% d L4 NR L3 NR	 LEAF / SEVERITY L7 0.3% e L5 4.0% d L4 NR L3 NR	 LEAF / SEVERITY L7 3.3% d L5 13.8% c L4 NR L3 NR	 LEAF / SEVERITY L7 21.5% c L5 32.3% c L4 NR L3 NR 167 bu/ac

LEAF DISEASE SEVERITY

Shared nonlinear color scale

0% 25% 40% 60% 80% 100%

L1 = lowest leaf above soil; count upward, not V stages. Mature leaf count is schematic.

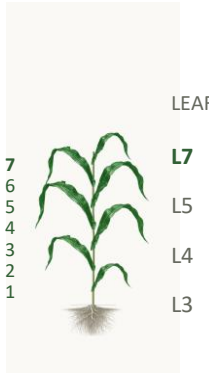
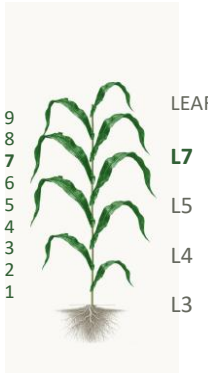
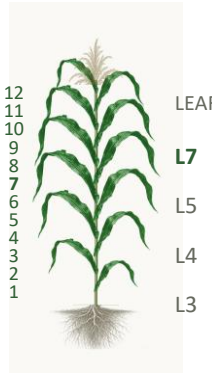
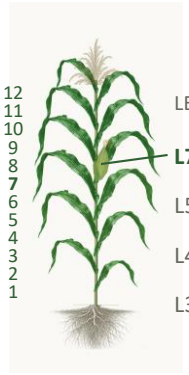
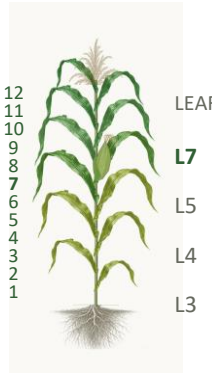
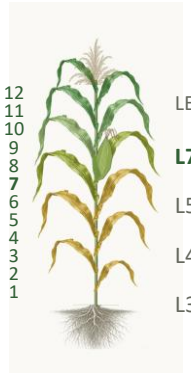
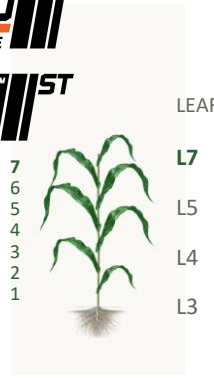
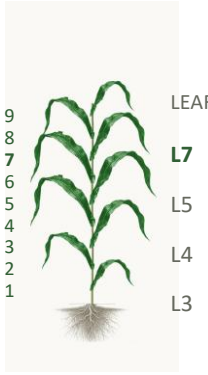
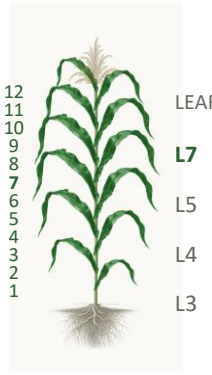
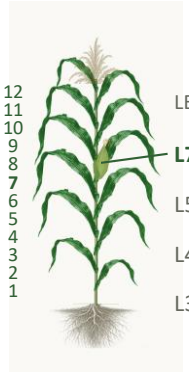
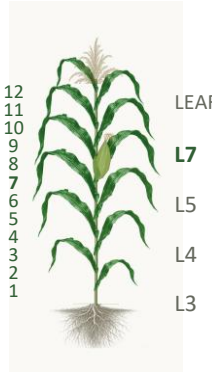
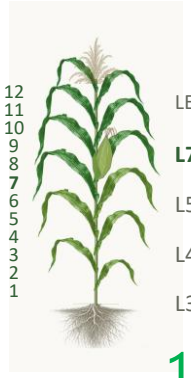
Within a leaf and week, shared letters = not different (LSD, P = 0.05). ns = not significant.

Data: Powerguard-slides-Data.pptx, slides 7–12 • Trial 26-MERISTEM-CORN-SR-ST • GLC Consulting

Advance Seed Treatment -Watch Disease Move Up the Plant

Weekly ratings by days after planting • Xyway vs. Prephyte + PowerGuard • PIO 1690, Quitman, Georgia

Check = 116bu/ac

	49 days 7 ABOVE GROUND	56 days 9 ABOVE GROUND	63 days VT	70 days R1	77 days R2	84 days R3
XYWAY In-furrow **Ear after VT** **Above-ground L7**	 LEAF / SEVERITY L7 **0.0%** ns L5 **0.0%** c L4 **2.5%** b L3 **7.3%** b	 LEAF / SEVERITY L7 **0.0%** ns L5 **2.0%** b L4 **2.8%** c L3 NR	 LEAF / SEVERITY L7 **1.0%** cd L5 **7.0%** c L4 NR L3 NR	 LEAF / SEVERITY L7 **14.0%** b L5 **24.3%** b L4 NR L3 NR	 LEAF / SEVERITY L7 **28.8%** a L5 **39.8%** ab L4 NR L3 NR	 LEAF / SEVERITY L7 **42.0%** a L5 **61.8%** a L4 NR L3 NR
POWERGUARD BROAD-SPECTRUM BIOFUNGICIDE PREPHYTE ST BROAD-SPECTRUM FUNGICIDE Seed-treatment program **Ear after VT** **Above-ground L7**	 LEAF / SEVERITY L7 **0.0%** ns L5 **0.0%** c L4 **0.0%** c L3 **1.5%** c	 LEAF / SEVERITY L7 **0.0%** ns L5 **0.5%** c L4 **0.8%** d L3 NR	 LEAF / SEVERITY L7 **0.0%** d L5 **1.5%** d L4 NR L3 NR	 LEAF / SEVERITY L7 **0.3%** e L5 **4.0%** d L4 NR L3 NR	 LEAF / SEVERITY L7 **3.3%** d L5 **13.8%** c L4 NR L3 NR	 LEAF / SEVERITY L7 **21.5%** c L5 **32.3%** c L4 NR L3 NR

147 bu/ac

167 bu/ac

LEAF DISEASE SEVERITY

Shared nonlinear color scale



L1 = lowest leaf above soil; count upward, not V stages. Mature leaf count is schematic.

Within a leaf and week, shared letters = not different (LSD, P = 0.05). ns = not significant.

Data: Powerguard-slides-Data.pptx, slides 7–12 • Trial 26-MERISTEM-CORN-SR-ST • GLC Consulting

HOPPER THROTTLE® SOYBEAN

MAXSTAX™

PLANTER BOX TREATMENT

ETHER™ ENZYME TECHNOLOGY

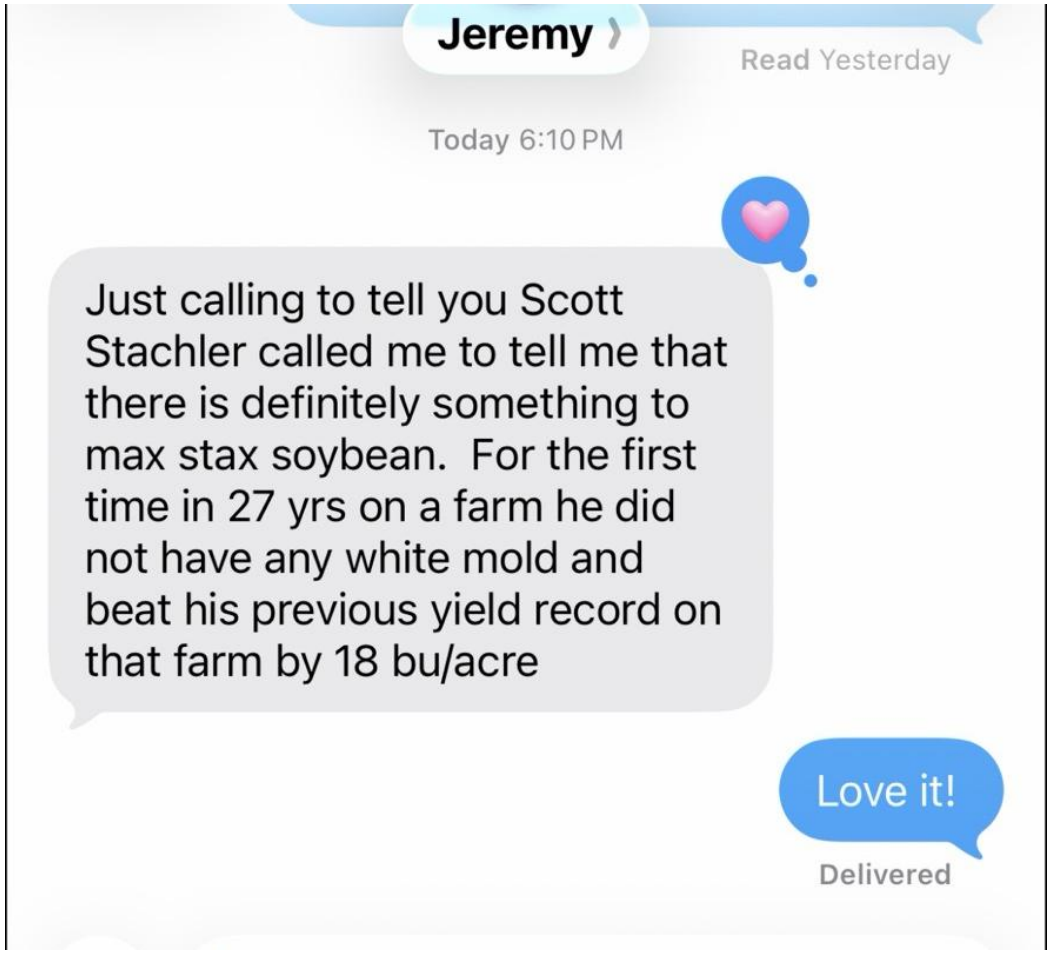
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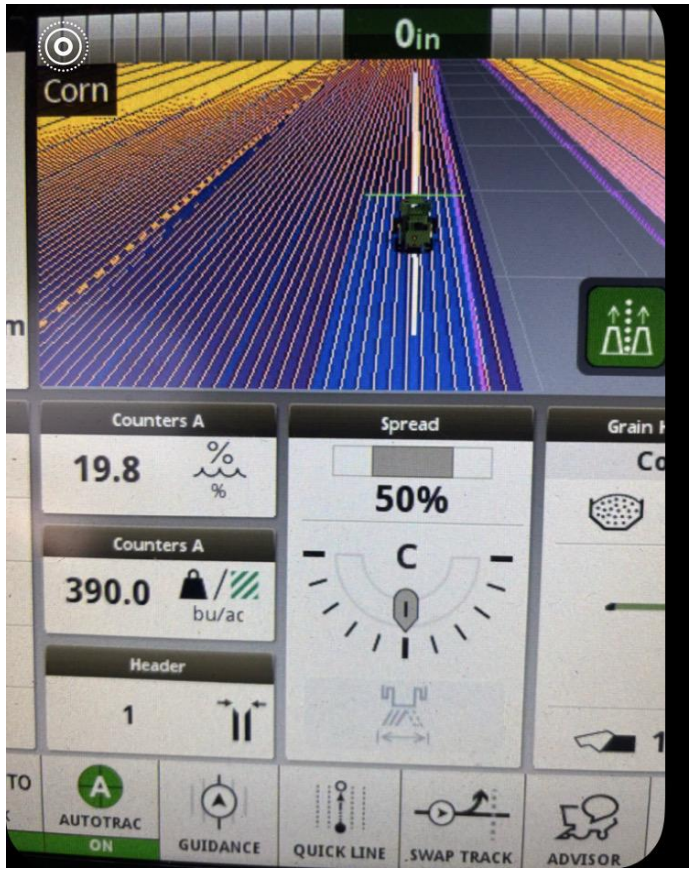
BORNEX™ II SDS PROTECTION

GUARD C™ II NEMATODE PROTECTION

METALAXYL™ II ST INDUSTRY STANDARD FUNGICIDE

PREPHYTE™ II ST BROAD-SPECTRUM FUNGICIDE





HARVESTSHIELD® EVO
STRESS-MITIGATING ADVANCED NUTRITIONAL

EXCAVATOR® AMS
AMS & NON-IONIC SURFACTANT WITH
NUTRIENT RELEASE & CROP RESIDUE BREAKDOWN

WITH

CYCLESTRIKE™ LR
MICROBIAL NUTRIENT ACCELERATOR & RESIDUE BREAKDOWN

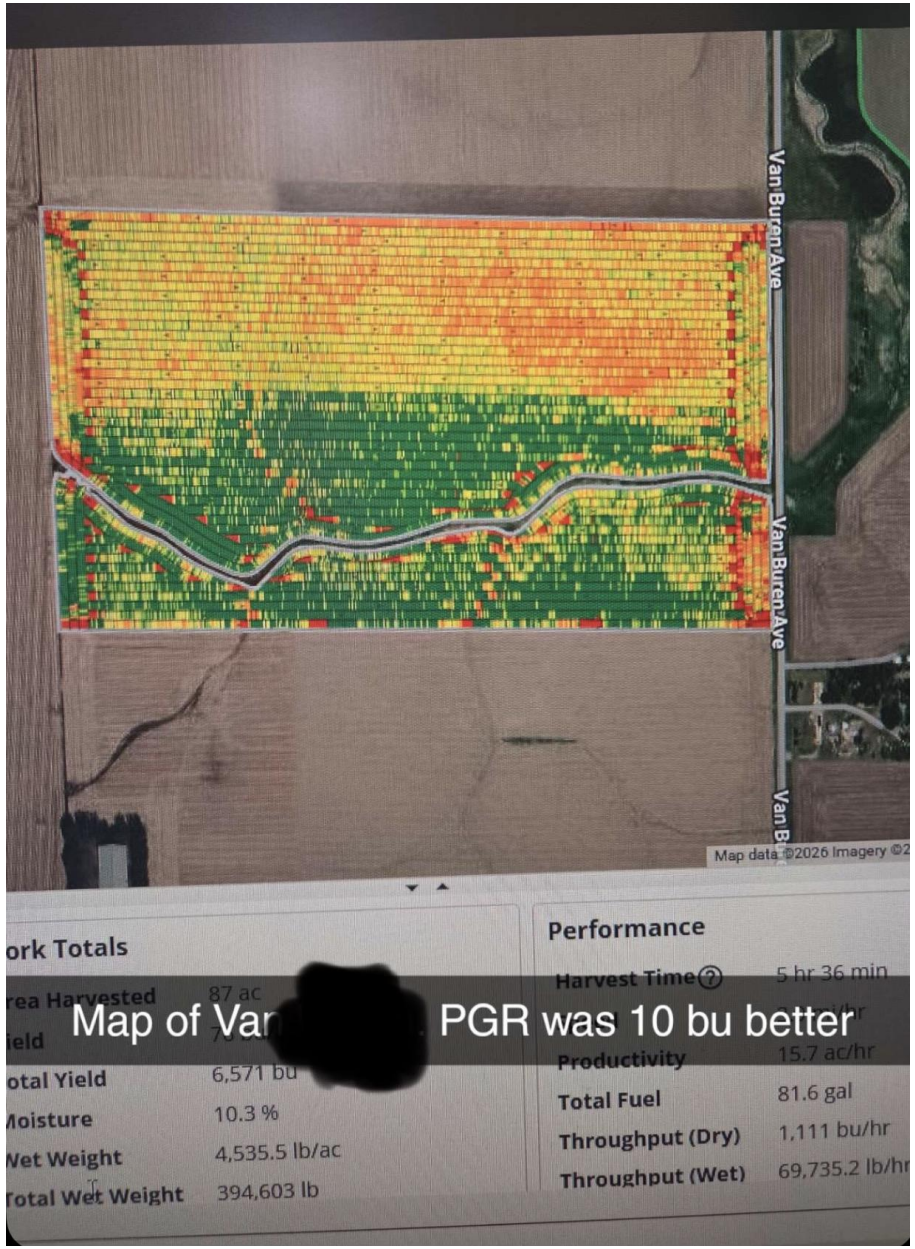
BioFlex™

HOPPER THROTTLE® CORN MAXSTAX™
PLANTER BOX TREATMENT

ETHER™ ENZYME TECHNOLOGY
PROTECTIS™ BEAUVERIA BASSIANA
GUARDC™ NEMATODE PROTECTION
GUARDX™ INSECT MANAGEMENT + ROOT REGEN
POWERGUARD™ BROAD-SPECTRUM BIOFUNGICIDE
PREPHYTE™ ST BROAD-SPECTRUM FUNGICIDE

REVLINE™ LATE-SEASON
PLANT GROWTH REGULATOR

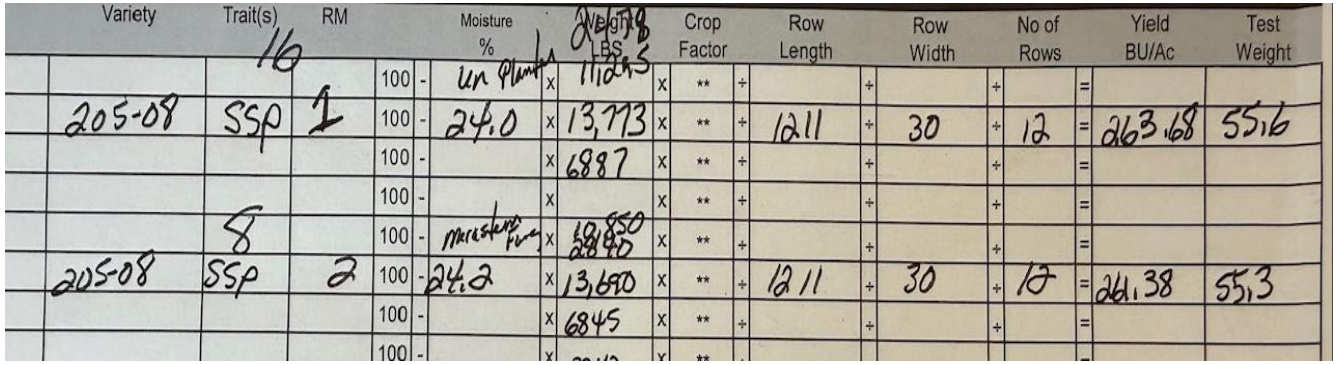
Meristem System Pays!



- Had some guys with heavy manure history (struggle with lodging in soy) play with 2 shots Revline Early @ 4oz ~V4 and 2nd shot early July. Goal was to shorten internodes, increase branching, reduce plant height, reduce lodging. Here are the field split results. Interesting.

REVLINE®
EARLY-SEASON
PLANT GROWTH REGULATOR

1. Grower typical practice with starter + fungicide in the starter + aerial fungicide



Variety	Trait(s)	RM	Moisture %	Weight LBS	Crop Factor	Row Length	Row Width	No of Rows	Yield BU/Ac	Test Weight
		16								
205-08	SSP	1	24.0	13,773	**	1211	30	12	263.68	55.6
				6887	**					
					**					
	8			20,850	**					
205-08	SSP	2	24.2	13,690	**	1211	30	12	261.38	55.3
				6845	**					

2. Hopper Throttle + aerial fungicide

Total Savings = ~$50/ac removing Starter + @ Plant Fungicide

HOPPER THROTTLE® CORN
MAXSTAX™
PLANTER BOX TREATMENT

ETHER™ ENZYME TECHNOLOGY
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GUARDII® NEMATODE PROTECTION

METALAXYLIIST® INDUSTRY STANDARD FUNGICIDE

PREPHYTEIIST® BROAD-SPECTRUM FUNGICIDE

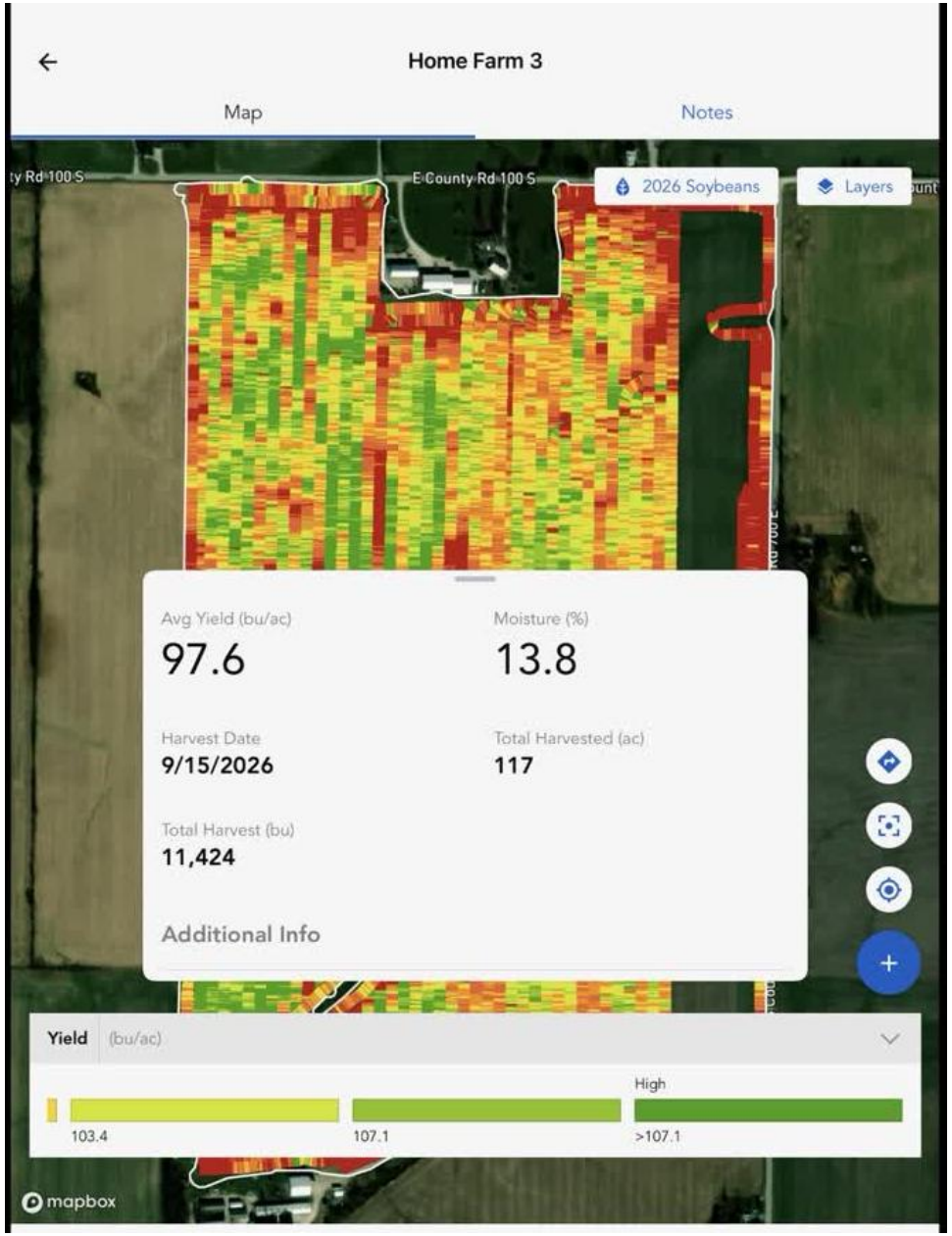
Meristem System Pays!

HARVESTSHIELD® EVO
STRESS-MITIGATING ADVANCED NUTRITIONAL

HOMESTRETCH®
NKB-S EVO
NUTRITIONAL

REVLINE®
EARLY-SEASON
PLANT GROWTH REGULATOR

REVLINE™
LATE-SEASON
PLANT GROWTH REGULATOR



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PREPHYTE II™ ST BROAD-SPECTRUM FUNGICIDE

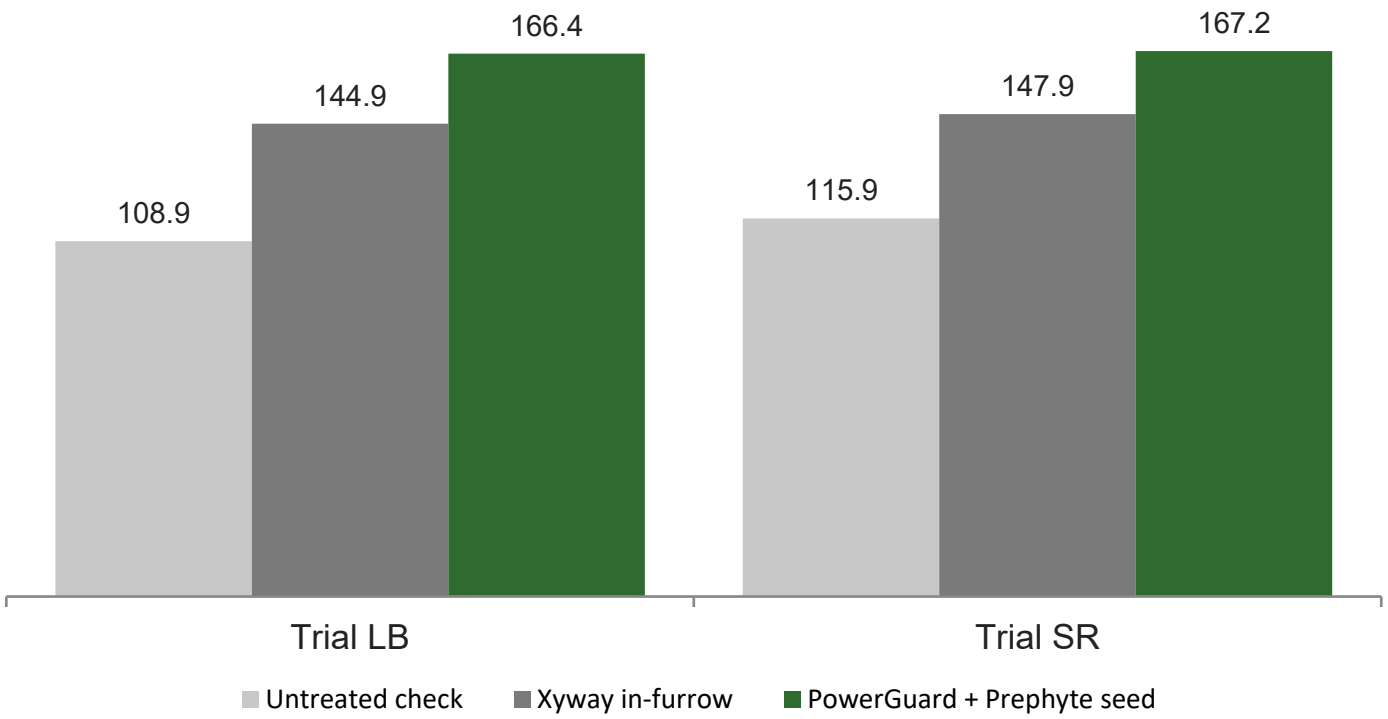


MaxStax vs

Full Liquid Seed Treatment + Saltro

Georgia 2026: seed program out-yielded in-furrow Xyway

Yield, bu/A at 13% moisture, Quitman, Georgia



+21.5 bu/A

vs Xyway, Trial LB (P = 0.012)

+19.3 bu/A

vs Xyway, Trial SR (P = 0.0002)

+51 to +58

bu/A vs untreated check

Southern corn leaf blight trials; crown rot was not rated. Seed entries: Prephyte 0.33 oz wt/cwt + TS 601 0.25 oz wt/cwt; Xyway 15.2 fl oz/A in-furrow. Graphite on seed-treated entries only.

Source: 2026 Meristem replicated trials, Quitman, GA (LSD, P = 0.05)

---Internal Use---

Protection held 77–84days; Xyway faded first

Southern corn leaf blight control vs untreated check

74–84%

Prephyte PowerGuard programs, leaf 3 at 63 days after planting (Trial LB)

50%

Xyway in-furrow at the same rating (Trial LB)

86–89%

Prephyte PowerGuard programs, ear leaf at 84 days (Trial SR); Xyway rated the same as the check

Seller takeaway: A seed-placed biological carried protection 9–11 weeks, past where the in-furrow standard faded.

Source: 2026 Meristem replicated trials, Quitman, GA. Partial control remained at 84 days in Trial SR (40–51%).

---Internal Use---

Prephyte ST activity on crown rot: what growers see

Bigger kernels on top of a healthier root crown



What to point out

- Kernels: Prephyte ST ears carry visibly larger, deeper kernels; untreated kernels are smaller
- Roots: untreated plants have thin lower stalks and sparse root crowns; Prephyte ST crowns are fuller, with more nodal roots
- Why: a living crown keeps water, nutrients and sugar moving to the ear through grain fill

Meristem field photo. [Add location, year, hybrid, sampling date and 100-kernel weight for each treatment]

---Internal Use---

Prephyte ST on crown rot: a second side-by-side

Second comparison: same kernel and root crown pattern

What to point out

- Kernels: the same pattern, with larger kernels on Prephyte ST ears than on untreated
- Roots: smaller root masses at the untreated crowns; larger, denser root balls on every Prephyte ST stalk
- The back door kept shut: the crown stays alive while grain fill drains the lower stalk, so kernels finish filling



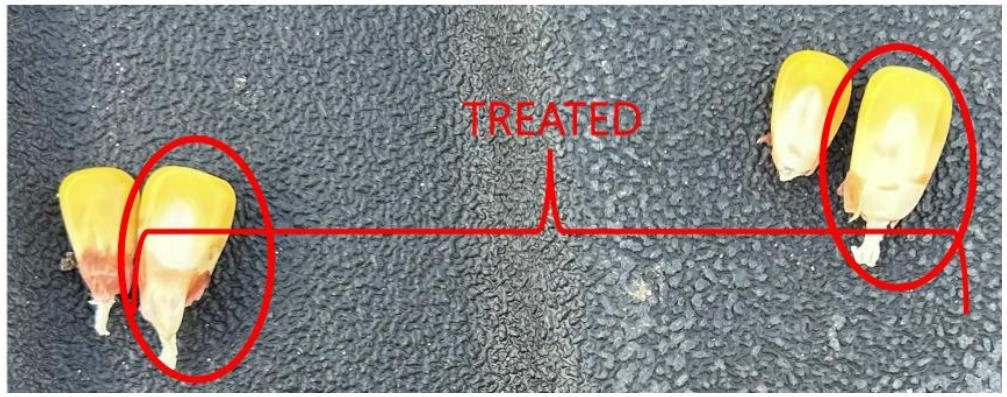
Meristem field photo. [Add location, year, hybrid, sampling date and 100-kernel weight for each treatment]

---Internal Use---

Inside the stalk and the kernel: Prephyte ST vs untreated

Split stalks and individual kernels from the same comparison





What to point out

Pith: untreated stalks show tan-brown discoloration running up from the crown; Prephyte pith stays bright white

Kernels: treated kernels are larger and clean; untreated kernels are smaller, with pink-red discoloration at the tip

The connection: a clean crown and white pith keep sugar flowing to the ear, and the kernel shows the result

Meristem field photos. [Add location, year, hybrid, sampling date and 100-kernel weight for each treatment]

---Internal Use---

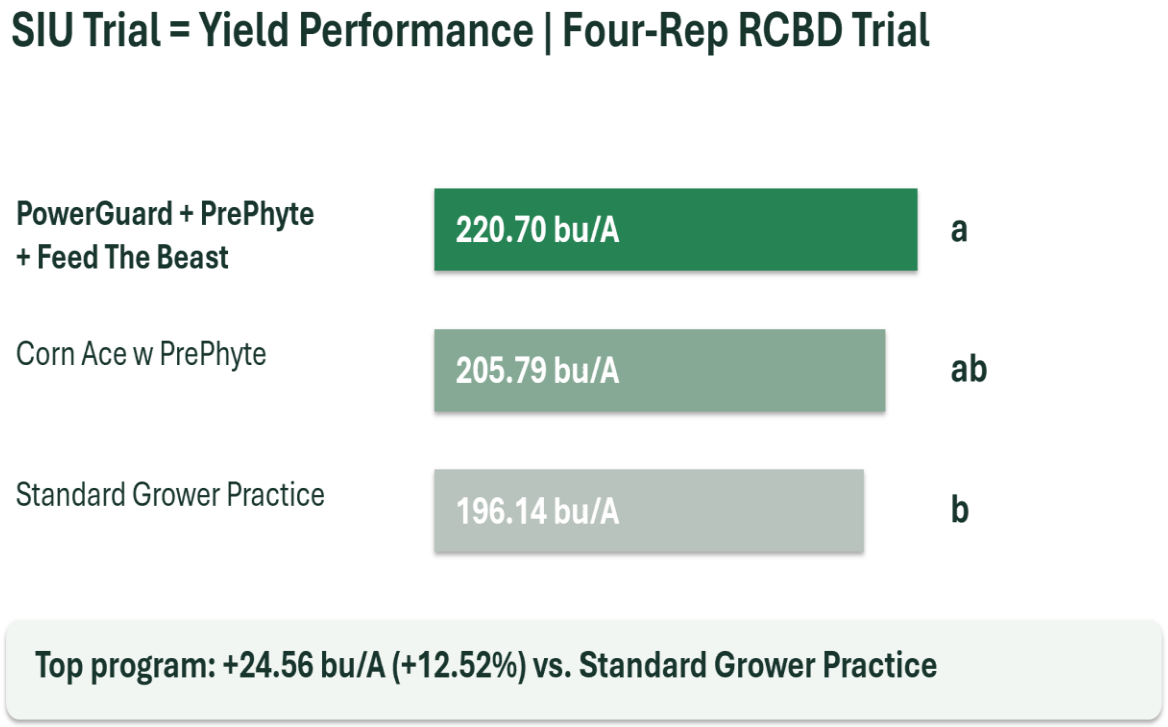
Field-scale and commercial proof

Third-party strips plus Meristem crown rot experience

Ohio State eFields 2025

+10 bu/A **+$24/A**

207 vs 197 bu/A. Hopper Throttle Corn Lyte + Prephyte ST vs talc and graphite; 225 acres, 30 replications, split planter.



Source: Ohio's Country Journal

---Internal Use---

- From Local Connection. Marion, OH . No yield maps but they did weigh this . True comparison. 30 inch beans. MaxStax soybean 78 bu Untreated soybean 73 bu Warehouse side by side



HOPPER THROTTLE® CORN
MAXSTAX™
PLANTER BOX TREATMENT

ETHER® ENZYME TECHNOLOGY
PROTECTIS® BEAUVERIA BASSIANA
GUARDC NEMATODE PROTECTION
GUARDX INSECT MANAGEMENT + ROOT REGEN
POWERGUARD® BROAD-SPECTRUM BIOFUNGICIDE
PREPHYTE® 5T BROAD-SPECTRUM FUNGICIDE

- On some sandy ground in eastern Ohio, 240 bu corn @ 26% moisture.MaxStax corn + whole in season program, went with Helmstar as their generic fungicide. Grower said its been a long time since they shelled corn with green top half still







Zinc pail continues to impress in S IL! Franklin Co, IL. I've known this 7K acre farmer for awhile and this is the first time they've done something "extra." Grandson is pumped as it was his decision. Huge ROI!

POWERGUARD™ III

BROAD-SPECTRUM BIOFUNGICIDE

PREPHYTE™ 1ST

BROAD-SPECTRUM FUNGICIDE



PREPHYTE™ 1ST

BROAD-SPECTRUM FUNGICIDE

















- Most dramatic difference I've seen with the pail so far. This is in Michigan, planted the first week of May Left side of the road has guard x + prephyte, meristem in season program, generic quilt fungicide Right side of the road does not

HOPPER THROTTLE® CORN
MAXSTAX™
PLANTER BOX TREATMENT

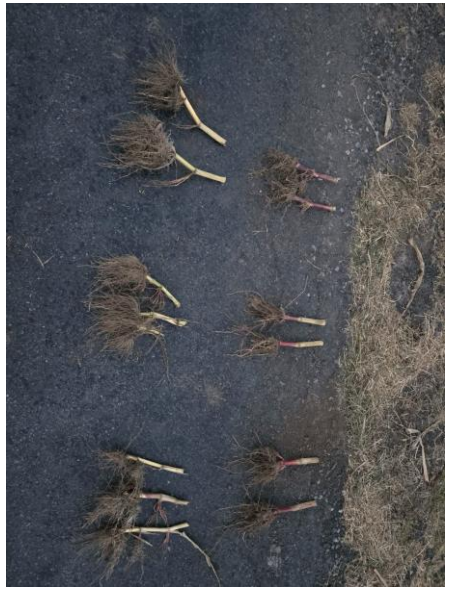
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POWERGUARD™ BROAD-SPECTRUM BIOFUNGICIDE
PREPHYTE™ ST BROAD-SPECTRUM FUNGICIDE



- Farmer said he didn’t see much with my “snake oil.” Ran region reports in Climate and showed solid return on HarvestShield. Hamilton Co Il



- Cambria County, PA
- MaxD vs Force
  Pulled every 5th ear
- Every Force ear had aborted 2-4 rows around, and none of the MaxD ears did





- Followed up on some heavy CRW pressure tonight. This was where it blew through SSP trait. The treated was planted several days before the control (adjacent fields), but is still staying a "healthier" green longer.

REVLINE®
HOPPER THROTTLE™
CORN ACE
PLANTER BOX TREATMENT

PREPHYTE®
BROAD-SPECTRUM FUNGICIDE

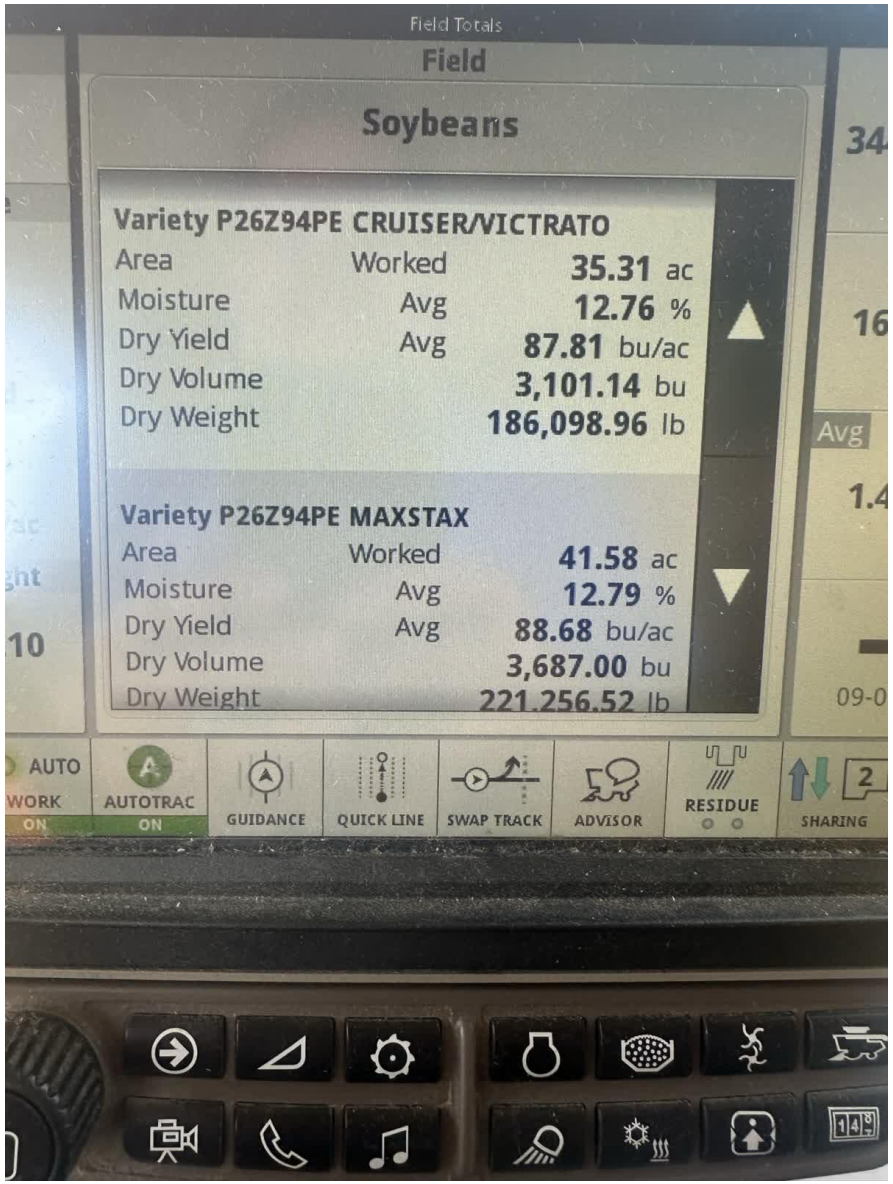
ETHER™
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- First picture came from customer Corn Ace pail ears on left. Customer said this is looking good 2 more kernels around. The next pictures Corn Ace pail ears and roots on right . Bigger roots, 3 mm larger stocks, and 96 more kernels per ear. Customer picked the plants for me to dig up.







- MaxStax vs
- CruiserMaxx + Victrado

HOPPER THROTTLE® SOYBEAN
MAXSTAX™
PLANTER BOX TREATMENT

ETHER™ ENZYME TECHNOLOGY
PROTECTIS™ BEAUVERIA BASSIANA
BORNEXII™ SDS PROTECTION
GUARDCII™ NEMATODE PROTECTION
METALAXYL II™ ST INDUSTRY STANDARD FUNGICIDE
PREPHYTE II™ ST BROAD-SPECTRUM FUNGICIDE



HOPPER THROTTLE® CORN

MAXSTAX™

PLANTER BOX TREATMENT

ETHER™ ENZYME TECHNOLOGY

PROTECTIS™ BEAUVERIA BASSIANA

GUARDC™ NEMATODE PROTECTION

GUARDX™ INSECT MANAGEMENT + ROOT REGEN

POWERGUARD™ BROAD-SPECTRUM BIOFUNGICIDE

PREPHYTE™ ST BROAD-SPECTRUM FUNGICIDE

Untreated left 1 bean -12 bean-263 bean-33

Right Maxstax soybeans 1 bean-32 bean-123 bean -54

Frankton Indiana





HOPPER THROTTLE® SOYBEAN

MAXSTAX™

PLANTER BOX TREATMENT

ETHER™ ENZYME TECHNOLOGY

PROTECTIS™ BEAUVERIA BASSIANA

BORNEX™ SDS PROTECTION

GUARDC™ NEMATODE PROTECTION

METALAXYL™ ST INDUSTRY STANDARD FUNGICIDE

PREPHYTE™ ST BROAD-SPECTRUM FUNGICIDE

- Corn Ace pail with PowerGuard on Right hand side of pictures. Pioneer dealer in North Western Ohio. Customer picked the plants the plants that we dug up from two different fields. Corn stocks and roots where larger and the corn ears had two more kernels round with less tip back. Didn’t see and disease pressure yet.





REVLINE®
HOPPER THROTTLE™
CORN ACE
PLANTER BOX TREATMENT

PREPHYTE®
BROAD-SPECTRUM FUNGICIDE

ETHER™
ENZYME TECHNOLOGY

POWERGUARD™ II
BROAD-SPECTRUM BIOFUNGICIDE

GUARDX™ II
INSECT MANAGEMENT + ROOT REGEN

PREPHYTE™ IIST
BROAD-SPECTRUM FUNGICIDE

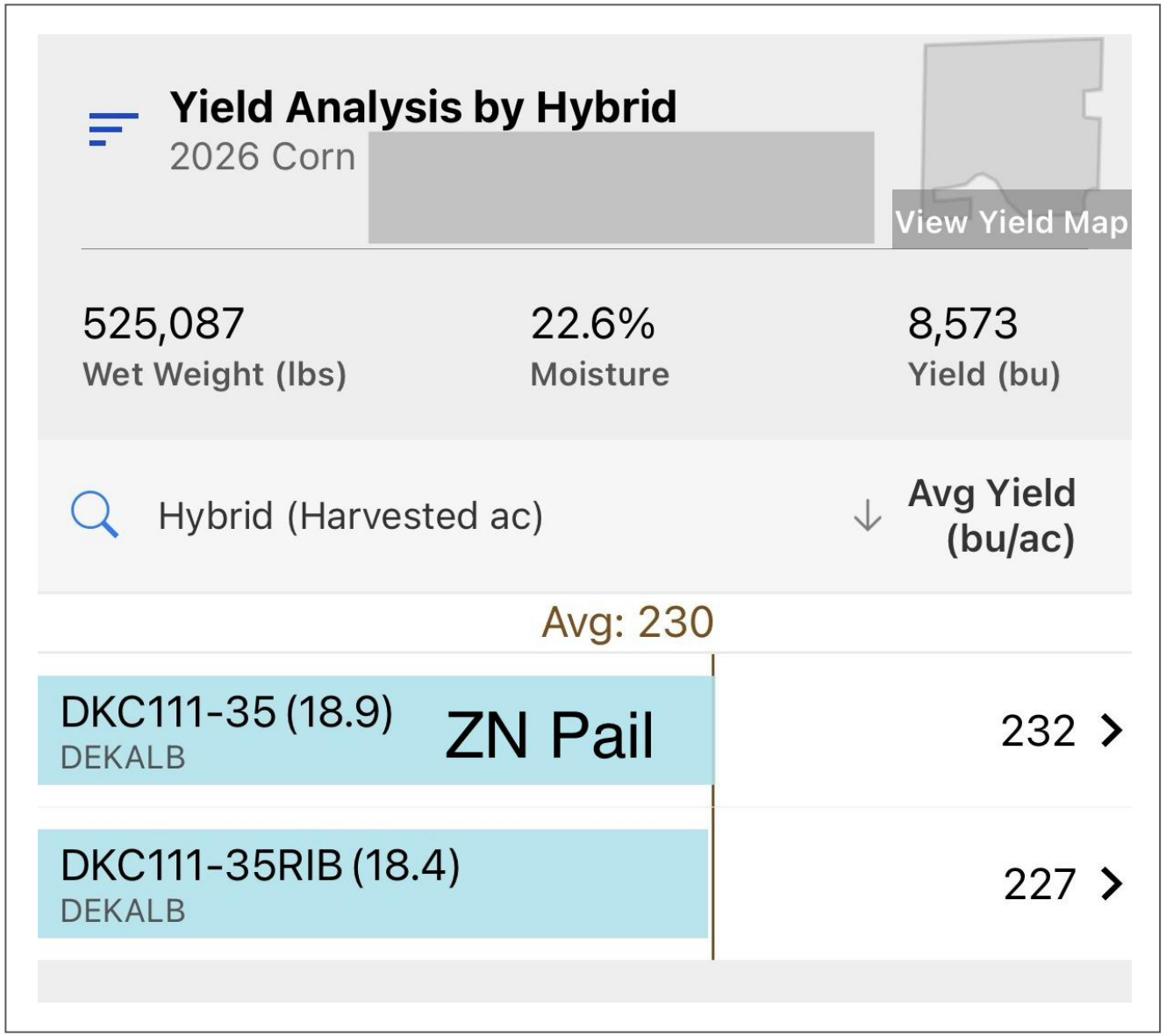






Prephyte and Powerguard with GuardX on right and untreated on left

Both Pics



- Got a 7K farmer to try the ZN pails for the first time. They are seeing 4-6 bu increase on the splits. Committed to using all ZN next year. Hopefully can upsell them to something better but good win on a new customer