AGTECH ADVANTAGE, LLC
Agronomic Seed Services

AGTECH ADVANTAGE LOCAL PLOT NETWORK · FEATURING THE DANFORTH RESEARCH FARM

2026
Local Research Results

What we grew, measured and observed — close to home.

Corn and soybean product plots · Foliar fungicide/insecticide
Seed treatment · Strip-till vs. conventional · SCN resistance source
Cabery, Chenoa, Danforth and Piper City, Illinois

8	4	76	208
PRODUCT PLOTS	COMMUNITIES	PRODUCTS PLANTED	PLOT ENTRIES HARVESTED

HOEGEMEYER · AgriGold · STINE

2026 Local Research Results.

What we did, how products performed, and what we observed in the field trials. We share what we tested and found; you decide what fits your farm.

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We Test Here, So You Can See It Here.

Seed performs differently field to field. So every year we plant the products we sell in local plots, harvest them ourselves and share every number — the good, the bad and the in-between.

01
Observe
Walk the plots all season: stands, disease, insects and standability.

→

02
Learn
Weigh every plot and compare products side by side on the same ground.

→

03
Prove
Re-test what we see across fields, seasons and locations before leaning on it.

→

04
Inform
Share what we found, plainly. You know your fields — you decide.

WHAT WE TESTED IN 2026

Product plots
30 corn hybrids and 46 soybean varieties from Hoegemeyer, AgriGold, Stine and Voltis, planted across 8 plots in 4 communities.

Foliar fungicide/insecticide
At the Danforth Research Farm, every corn hybrid and soybean variety was grown in a fungicide/insecticide plot and a non-treated plot, and the same comparison was repeated in whole-field passes.

Seed treatment, tillage and SCN source
Untreated seed vs. FI vs. FI + Victrato; strip-till vs. conventional; soybean yields labeled by SCN resistance source.

HOW RESULTS WERE MEASURED

Plots
4 rows × 30 in, harvested and weighed, adjusted to standard moisture and harvested row length.

Field trials
Combine yield-monitor data, pass by pass, plus scale weights where both crops were weighed.

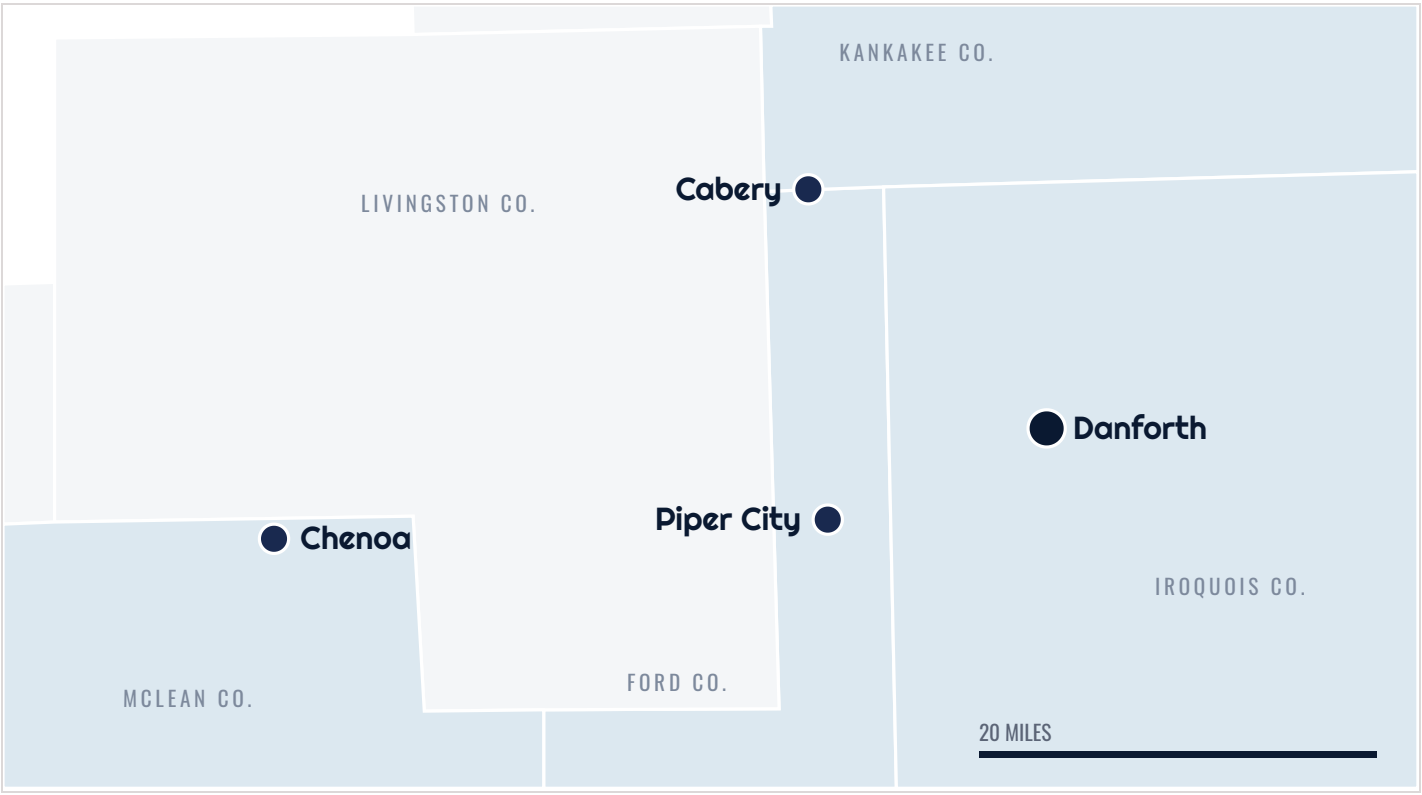
Reading a result
Each number is one plot in one season. We show what was measured and let the pattern across plots do the talking.





8 Plots, 4 Communities, One Local Network.

Product plots on cooperating farms across Ford, Iroquois, Kankakee and McLean counties, anchored by the Danforth Research Farm.



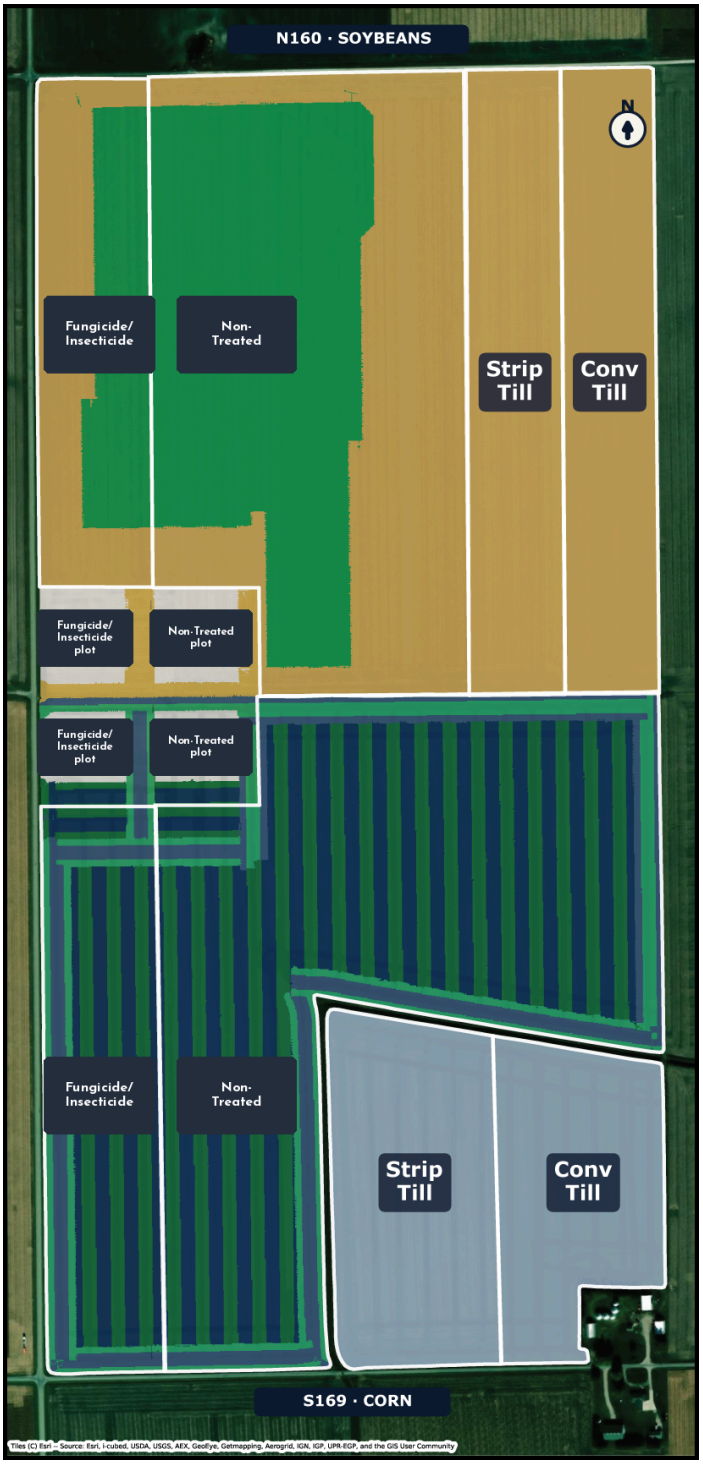
Dots mark the plot community, not the exact field.

2026 PLOT LOCATIONS

Danforth	Corn	Fungicide/insecticide vs. non-treated	HARVESTED
Danforth	Soybeans	Fungicide/insecticide vs. non-treated	HARVESTED
Danforth	Soybeans	Stine PDP · fungicide/insecticide vs. non-treated	HARVESTED
Piper City	Corn	Fall strip-till	HARVESTED
Chenoa	Corn	Fall strip-till	HARVESTED
Chenoa	Soybeans	Fall strip-till	HARVESTED
Cabery	Corn	Fall strip-till	HARVESTED
Cabery	Soybeans	Fall strip-till	HARVESTED

All plots harvested; results through Oct 27, 2026.

Danforth Research Farm. Every Plot Product Grown Twice.



DANFORTH RESEARCH FARM · N160 & S169 · MONK FAMILY FARM

Soybeans

N160 · 160.5 AC

Planted 4/25/26 · 130,000 pop. · after corn · fall strip-till

- **Stine 31EJ82** Victrato
- **Hoegemeyer 2935E** ILEVO

Corn

S169 · 167.7 AC

Planted 4/24/26 · 36,000 pop. · after soybeans · fall strip-till

- **AgriGold A642-18TRE**
- **Hoegemeyer 8172V**
- **AgriGold A644-64VT2**
- **Hoegemeyer 8440V**
- **Hoegemeyer 8014PCE**

ON THE MAP

Fungicide/insecticide plot · Non-treated plot
Product plots — every hybrid and variety grown once in each

Fungicide/Insecticide · Non-Treated
Field-scale foliar fungicide/insecticide trials, applied July 15

Strip Till / Conv Till
Side-by-side tillage blocks

FIELD NAMES

The south corn field is S169 on the map and boundary file; John Deere records name the same field S160.

How We Tested.

Plots on the ground, scales and yield monitors at harvest, and every number written down.





01 **Product plots**
Each product planted side by side, 4 rows × 30 in. Every plot harvested, weighed and adjusted for moisture and row length.

02 **Foliar fungicide/insecticide**
At Danforth: **Revytek fungicide + bifenthrin insecticide**, one application July 15. Every hybrid and variety grown in a fungicide/insecticide plot and a non-treated plot.

03 **Field-scale trials**
Whole combine passes: fungicide/insecticide vs. non-treated, and strip-till vs. conventional, from yield-monitor and scale data.

04 **Seed treatments**
In the Stine plot: untreated seed, FI and FI + Victrato on the same varieties.

05 **Economics**
$4.55/bu corn · $12.62/bu soybeans · $35/ac fungicide/insecticide cost. Break-even: **7.69 bu** corn, **2.77 bu** soybeans.

06 **Reading the results**
One plot of each product per location. Compare across plots before leaning on any single number.

THE 2026 SEASON

Apr 12 - May 14
Network plots planted

Apr 24-25
Danforth planted

Jul 15
Fungicide/insecticide applied

Sep 26 - Oct 20
Soybeans harvested

Sep 26 - Oct 26
Corn harvested



Growers walking the corn plot.

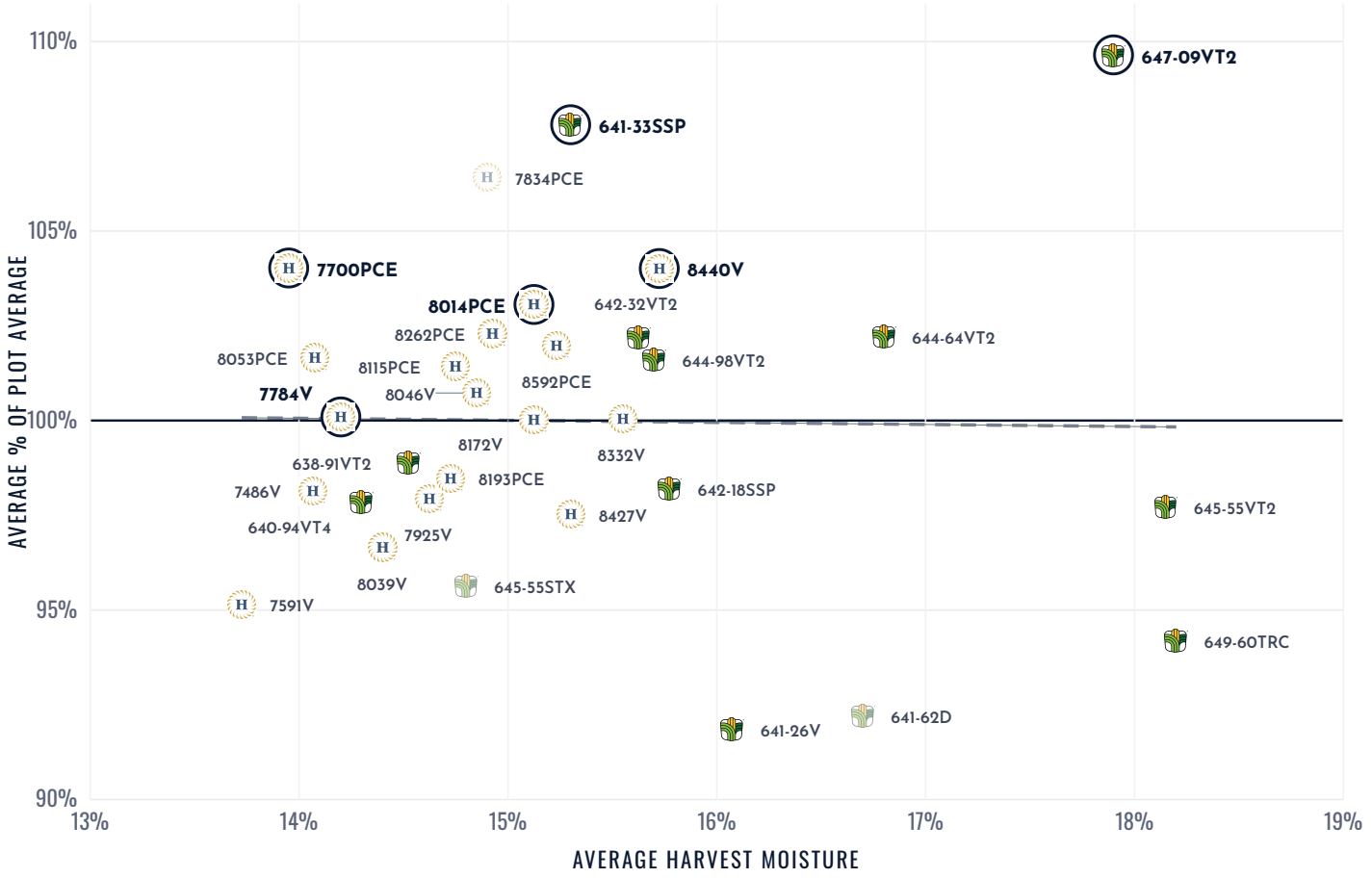


Every plot harvested and weighed.

Corn Performance, All Locations.

Each mark is one hybrid, averaged across every plot it was in. Across: average harvest moisture. Up: average % of plot average (above 100% beat it). Dashed line = trend.

Hoegemeyer · AgriGold · Faded = 1 location · Top 2 in an RM range



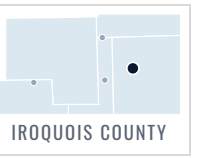
TOP 2 IN EACH MATURITY RANGE · AVERAGE % OF PLOT AVERAGE

RM RANGE		HYBRID	RM	% OF PLOT AVG	LOCATIONS
103-109 RM	1	7700PCE	107	104.0%	4 · Cabery, Chenoa, Danforth, Piper City
	2	7784V	107	100.1%	4 · Cabery, Chenoa, Danforth, Piper City
110-112 RM	1	641-33SSP	111	107.8%	2 · Chenoa, Piper City
	2	8014PCE	110	103.1%	4 · Cabery, Chenoa, Danforth, Piper City
113-119 RM	1	647-09VT2	117	109.6%	2 · Danforth, Piper City
	2	8440V	114	104.0%	4 · Cabery, Chenoa, Danforth, Piper City

Danforth uses the non-treated plot. Top 2 = grown at 2+ locations.

Danforth, IL

CORN · FOLIAR FUNGICIDE/INSECTICIDE VS. NON-TREATED



The Fungicide/Insecticide Plot Averaged 10.0 Bu/Ac More.

All 11 hybrids at 112 days RM and later yielded more with fungicide/insecticide (avg +18.8 bu/ac); earlier hybrids averaged +3.5. They were planted roughly in maturity order, so maturity and field position overlap.

PLANTED 4/24/2026 · HARVESTED 9/29/2026 · FALL STRIP-TILL · AFTER SOYBEANS · 4 ROWS × 30 IN

NON-TREATED PLOT
230.1 BU/AC
16.4% moisture

FUNGICIDE/INSECTICIDE PLOT
240.0 BU/AC
16.3% moisture

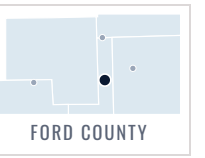
YIELDED MORE WITH FUNG./INSECT.
21 OF 26
16 at or above 7.69 bu/ac break-even

EST. RETURN AFTER COST
+$10 /AC
+10.0* bu × $4.55 = +$45 − $35

				NON-TREATED		FUNGICIDE/INSECTICIDE				○ Non-Treated ● Fung./Insect.
ENTRY	HYBRID	RM	SEED TRT.	YIELD RANK	MOIST.	YIELD RANK	MOIST.	AVG.	200 210 220 230 240 250 260	DIFFERENCE
1	7486V	104	LumiGEN	240.8 3	15.3	234.5 19	13.1	237.6		−6.3
2	7591V	105	LumiGEN	225.4 18	14.9	214.7 26	14.3	220.0		−10.7
3	7784V	107	LumiGEN	238.7 5	15.6	235.9 17	14.8	237.3		−2.7
4	7700PCE	107	LumiGEN	250.4 1	15.6	249.9 5	14.8	250.2		−0.5
5	638-91VT2	108	PX500	234.4 12	15.5	237.7 14	15.6	236.0		+3.2
6	8046V	110	LumiGEN	237.0 9	16.8	237.4 15	15.7	237.2		+0.4
7	8014PCE	110	LumiGEN	242.7 2	16.2	257.5 2	15.6	250.1		+14.7
8	8039V	110	LumiGEN	221.2 ↓ 21	15.4	214.9 ↓ 25	14.6	218.1		−6.3
9	640-94VT4	110	PX500	221.4 20	15.0	230.6 23	14.9	226.0		+9.3
10	7925V	109	LumiGEN	231.2 14	15.4	242.4 11	15.5	236.8		+11.2
11	8053PCE	110	LumiGEN	235.7 11	14.7	241.4 12	14.8	238.6		+5.7
12	641-26V	111	PX500	219.5 22	17.2	222.2 24	17.3	220.8		+2.7
13	8115PCE	111	LumiGEN	238.4 6	15.6	247.6 9	15.4	243.0		+9.2
14	8172V	111	LumiGEN	223.8 19	17.0	234.3 20	16.8	229.0		+10.5
15	8193PCE	111	LumiGEN	235.9 10	15.1	247.8 8	15.0	241.9		+11.9
16	642-18SSP	112	PX500	212.3 ↓ 25	18.0	236.9 ↓ 16	17.9	224.6		+24.6
17	642-32VT2	112	PX500	238.2 7	16.9	258.3 1	17.4	248.2		+20.1
18	8262PCE	112	LumiGEN	237.6 8	15.9	249.9 6	16.8	243.7		+12.3
19	8332V	113	LumiGEN	229.4 15	17.6	248.4 7	17.3	238.9		+19.0
20	8440V	114	LumiGEN	228.4 ↓ 16	16.1	233.9 ↓ 21	16.6	231.1		+5.5
21	644-64VT2	114	PX500	213.0 24	18.7	231.5 ↓ 22	19.3	222.2		+18.5
22	644-98VT2	114	PX500	226.3 17	16.4	245.5 10	16.8	235.9		+19.2
23	645-55VT2	115	PX500	231.3 13	18.4	257.3 3	17.7	244.3		+26.0
24	8427V	114	LumiGEN	240.7 4	16.3	256.8 4	17.1	248.8		+16.0
26	647-09VT2	117	PX500	218.0 ↓ 23	17.9	238.0 ↓ 13	18.2	228.0		+20.0
27	649-60TRC	119	PX500	209.8 ↓ 26	18.0	235.3 18	19.3	222.5		+25.5
	Plot average			**230.1**	**16.4**	**240.0**	**16.3**	**235.0**		**+10.0***

Fungicide/insecticide applied July 15. ↓ down corn at harvest. Shaded = top 5. *Unrounded plot averages. Est. return = difference × $4.55 − $35/ac.

Piper City, IL CORN



647-09VT2 Posted the Top Yield at 282.9 Bu/Ac.

30 hybrids side by side. Yields spread 98.8 bu/ac from lowest to highest.

PLANTED 4/13/2026 · HARVESTED 9/26/2026 · FALL STRIP-TILL · AFTER SOYBEANS · 4 ROWS × 30 IN

PLOT AVERAGE
227.2 BU/AC
16.4% moisture · 30 hybrids

HIGHEST YIELD
282.9 BU/AC
AgriGold 647-09VT2

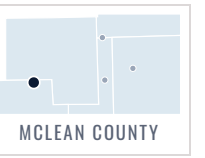
RANGE IN THIS PLOT
184.1-282.9
98.8 bu/ac from lowest to highest

ENTRY	HYBRID	RM	SEED TRT.	YIELD	RANK	MOIST.	VS. PLOT AVG.
1	7486V	104	LumiGEN	212.7	26	15.4	−14.5
2	7591V	105	LumiGEN	216.0	23	14.9	−11.2
3	7784V	107	LumiGEN	230.5	10	15.3	+3.3
4	7700PCE	107	LumiGEN	226.6	16	15.5	−0.6
5	7834PCE	108	LumiGEN	241.8	4	14.9	+14.6
6	638-91VT2	108	PX500	224.9	20	15.9	−2.3
7	8014PCE	110	LumiGEN	227.8	13	17.5	+0.6
8	8039V	110	LumiGEN	221.1	21	15.8	−6.1
9	8046V	110	LumiGEN	228.7	12	16.2	+1.5
10	7925V	109	LumiGEN	230.4	11	15.6	+3.2
11	8053PCE	110	LumiGEN	232.4	8	15.6	+5.2
12	640-94VT4	110	PX500	227.4	14	15.2	+0.2
13	641-33SSP	111	PX500	257.6	2	17.2	+30.4
14	641-26V	111	PX500	184.1	30	18.1	−43.1
15	641-62D	111	PX500	209.5	28	16.7	−17.7
16	8172V	111	LumiGEN	225.1	19	16.3	−2.1
17	8115PCE	111	LumiGEN	232.0	9	15.5	+4.8
18	8193PCE	111	LumiGEN	211.6	27	15.6	−15.6
19	8262PCE	112	LumiGEN	226.5	17	16.3	−0.7
20	642-32VT2	112	PX500	242.8	3	16.4	+15.6
21	642-18SSP	112	PX500	232.9	7	17.1	+5.7
22	8332V	113	LumiGEN	213.8	25	16.3	−13.4
23	8440V	114	LumiGEN	227.2	15	17.5	+0.0
24	644-64VT2	114	PX500	240.6	5	18.3	+13.4
25	644-98VT2	114	PX500	238.3	6	16.8	+11.2
26	645-55VT2	115	PX500	215.6	24	17.9	−11.6
27	8427V	114	LumiGEN	208.4	29	16.6	−18.8
28	8592PCE	115	LumiGEN	225.9	18	16.5	−1.3
29	647-09VT2	117	PX500	282.9	1	17.9	+55.7
30	649-60TRC	119	PX500	220.8	22	18.4	−6.4
	Plot average			**227.2**		**16.4**	



Dot = yield; dark tick = plot average. Shaded = top 5.

Chenoa, IL CORN



8440V Posted the Top Yield at 266.4 Bu/Ac.

25 hybrids side by side. Yields spread 39.5 bu/ac from lowest to highest.

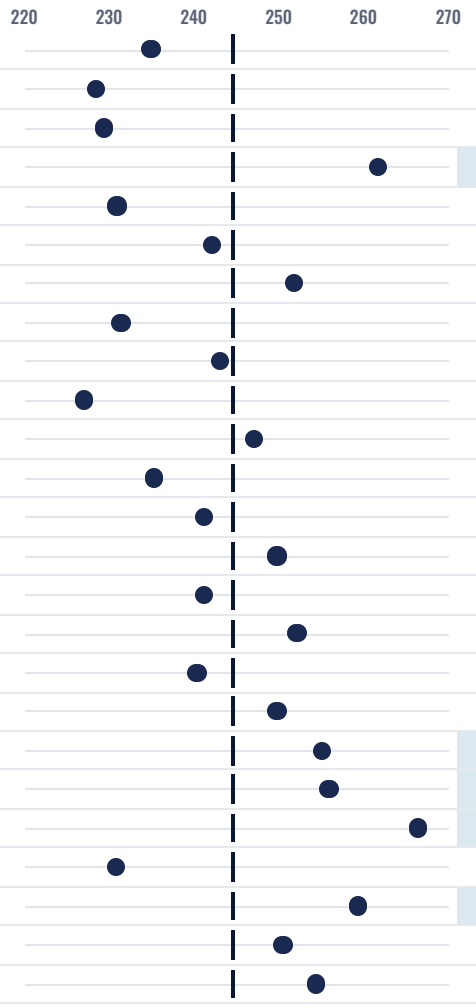
PLANTED 5/4/2026 · HARVESTED 10/22/2026 · FALL STRIP-TILL · AFTER SOYBEANS · 4 ROWS × 30 IN

PLOT AVERAGE
244.4 BU/AC
13.4% moisture · 25 hybrids

HIGHEST YIELD
266.4 BU/AC
Hoegemeyer 8440V

RANGE IN THIS PLOT
227.0-266.4
39.5 bu/ac from lowest to highest

ENTRY	HYBRID	RM	SEED TRT.	YIELD	RANK	MOIST.	VS. PLOT AVG.
1	7486V	104	LumiGEN	235.0	19	11.5	-9.4
2	7591V	105	LumiGEN	228.5	24	12.0	-15.9
3	7784V	107	LumiGEN	229.3	23	12.5	-15.1
4	7700PCE	107	LumiGEN	261.8	2	11.5	+17.4
5	638-91VT2	108	PX500	230.9	21	12.7	-13.5
6	8046V	110	LumiGEN	242.0	14	13.0	-2.4
7	8014PCE	110	LumiGEN	251.8	8	13.0	+7.4
8	8039V	110	LumiGEN	231.4	20	13.0	-13.0
9	640-94VT4	110	PX500	243.0	13	13.1	-1.4
10	7925V	109	LumiGEN	227.0	25	13.4	-17.4
11	8053PCE	110	LumiGEN	247.0	12	12.6	+2.6
12	641-26V	111	PX500	235.3	18	14.2	-9.1
13	8115PCE	111	LumiGEN	241.2	16	13.3	-3.2
14	8172V	111	LumiGEN	249.8	10	13.1	+5.4
15	8193PCE	111	LumiGEN	241.2	15	13.9	-3.2
16	642-18SSP	112	PX500	252.1	7	13.9	+7.7
17	642-32VT2	112	PX500	240.4	17	14.5	-4.0
18	641-33SSP	111	PX500	249.8	11	13.4	+5.4
19	8262PCE	112	LumiGEN	255.0	5	13.2	+10.6
20	8332V	113	LumiGEN	255.9	4	13.9	+11.5
21	8440V	114	LumiGEN	266.4	1	14.7	+22.0
22	8427V	114	LumiGEN	230.8	22	13.7	-13.6
23	644-64VT2	114	PX500	259.4	3	14.7	+15.0
24	644-98VT2	114	PX500	250.5	9	14.6	+6.1
25	8592PCE	115	LumiGEN	254.4	6	14.4	+10.0
	Plot average			**244.4**		**13.4**	



Dot = yield; dark tick = plot average. Shaded = top 5.

Cabery, IL CORN



8440V Posted the Top Yield at 266.4 Bu/Ac.

26 hybrids side by side. Yields spread 33.8 bu/ac from lowest to highest.

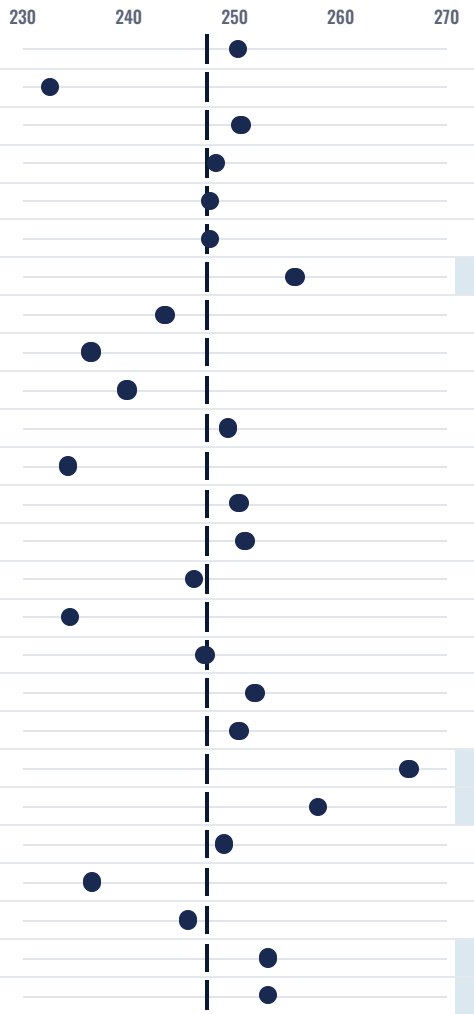
PLANTED 5/11/2026 · HARVESTED 10/26/2026 · FALL STRIP-TILL · AFTER SOYBEANS · 4 ROWS × 30 IN

PLOT AVERAGE
247.2 BU/AC
14.2% moisture · 26 hybrids

HIGHEST YIELD
266.4 BU/AC
Hoegemeyer 8440V

RANGE IN THIS PLOT
232.6-266.4
33.8 bu/ac from lowest to highest

ENTRY	HYBRID	RM	SEED TRT.	YIELD	RANK	MOIST.	VS. PLOT AVG.
1	8332V	113	LumiGEN	250.3	11	14.4	+3.1
2	7591V	105	LumiGEN	232.6	26	13.1	−14.7
3	7784V	107	LumiGEN	250.6	8	13.4	+3.3
4	7700PCE	107	LumiGEN	248.2	14	13.2	+0.9
5	638-91VT2	108	PX500	247.6	16	14.0	+0.3
6	8046V	110	LumiGEN	247.7	15	13.4	+0.4
7	8014PCE	110	LumiGEN	255.7	3	13.8	+8.4
8	8039V	110	LumiGEN	243.4	20	13.4	−3.8
9	640-94VT4	110	PX500	236.4	23	13.9	−10.8
10	7925V	109	LumiGEN	239.8	21	14.1	−7.4
11	8053PCE	110	LumiGEN	249.3	12	13.4	+2.1
12	641-26V	111	PX500	234.2	25	14.8	−13.1
13	8115PCE	111	LumiGEN	250.4	9	14.6	+3.2
14	8172V	111	LumiGEN	250.9	7	14.1	+3.7
15	8193PCE	111	LumiGEN	246.1	18	14.3	−1.2
16	642-18SSP	112	PX500	234.5	24	14.1	−12.8
17	642-32VT2	112	PX500	247.2	17	14.7	−0.1
18	8262PCE	112	LumiGEN	251.9	6	14.3	+4.7
19	8332V	113	LumiGEN	250.4	9	14.6	+3.2
20	8440V	114	LumiGEN	266.4	1	14.6	+19.1
21	644-64VT2	114	PX500	257.8	2	15.5	+10.6
22	644-98VT2	114	PX500	248.9	13	15.0	+1.7
23	645-55STX	115	PX500	236.5	22	14.8	−10.8
24	8427V	114	LumiGEN	245.5	19	14.6	−1.8
25	8592PCE	115	LumiGEN	253.1	4	14.8	+5.8
26	8332V	113	LumiGEN	253.1	5	14.2	+5.8
	Plot average			**247.2**		**14.2**	

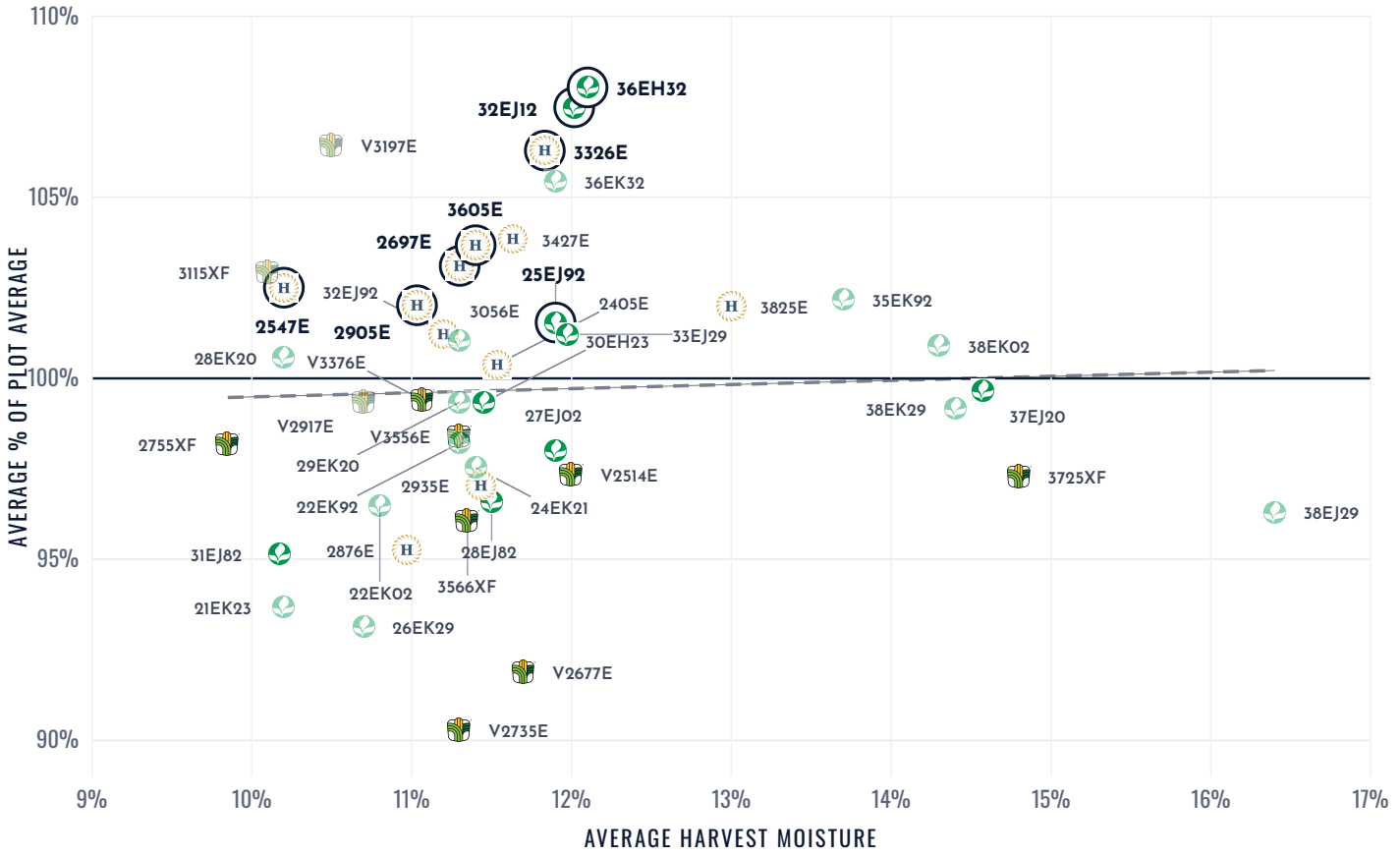


8332V was planted in three entries. Dot = yield; dark tick = plot average. Shaded = top 5.

Soybean Performance, All Locations.

Each mark is one variety, averaged across every plot it was in. Across: average harvest moisture. Up: average % of plot average (above 100% beat it). Dashed line = trend.

Hoegemeyer · AgriGold · Stine · Faded = 1 location · Top 2 in an RM range



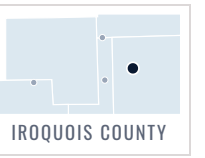
TOP 2 IN EACH MATURITY RANGE · AVERAGE % OF PLOT AVERAGE

RM RANGE		VARIETY	RM	% OF PLOT AVG	LOCATIONS
2.0-2.5 RM	1	2547E (pk)	2.5	102.5%	2 · Chenoa, Danforth
	2	25EJ92 (pk)	2.5	101.5%	2 · Cabery, Danforth
2.6-3.0 RM	1	2697E (pk)	2.6	103.1%	3 · Cabery, Chenoa, Danforth
	2	2905E (pk)	2.9	102.0%	3 · Cabery, Chenoa, Danforth
3.1-3.5 RM	1	32EJ12 (pk)	3.2	107.5%	3 · Cabery, Chenoa, Danforth
	2	3326E (pk)	3.3	106.3%	3 · Cabery, Chenoa, Danforth
3.6-4.0 RM	1	36EH32	3.6	108.0%	2 · Cabery, Danforth
	2	3605E	3.6	103.7%	3 · Cabery, Chenoa, Danforth

Danforth plots are non-treated; seed-treatment entries are left off. Top 2 = grown at 2+ locations. (pk) = Peking.

Danforth, IL

SOYBEANS · FOLIAR FUNGICIDE/INSECTICIDE VS. NON-TREATED



The Fungicide/Insecticide Plot Averaged 6.9 Bu/Ac More.

24 of 28 varieties yielded more with fungicide/insecticide; 4 yielded less. Responses ranged from –8.1 to +17.1 bu/ac.

PLANTED 4/25/2026 · HARVESTED 10/6/2026 · FALL STRIP-TILL · AFTER CORN · 4 ROWS × 30 IN

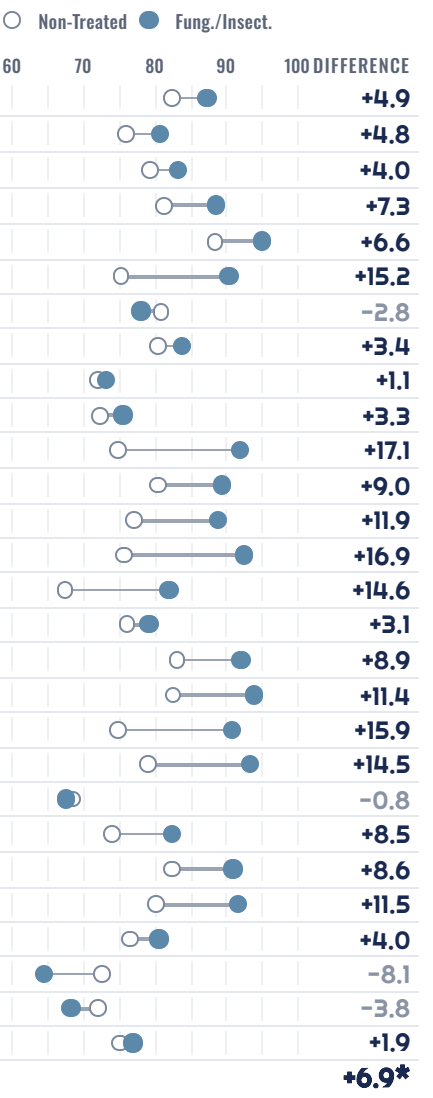
NON-TREATED PLOT
77.2 BU/AC
10.2% moisture

FUNGICIDE/INSECTICIDE PLOT
84.1 BU/AC
10.9% moisture

YIELDED MORE WITH FUNG./INSECT.
24 OF 28
22 at or above 2.77 bu/ac break-even

EST. RETURN AFTER COST
+$52 /AC
+6.9* bu × $12.62 = +$87 – $35

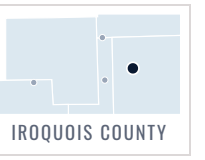
				NON-TREATED			FUNGICIDE/INSECTICIDE				
ENTRY	VARIETY	RM	SEED TRT.	YIELD	RANK	MOIST.	YIELD	RANK	MOIST.	AVG.	DIFFERENCE
1	2547E pk	2.5	LumiGEN ILEVO	82.5	4	9.2	87.4	14	9.5	84.9	+4.9
2	V2514E pk	2.5	FI Saltro	76.0	16	10.9	80.8	19	9.0	78.4	+4.8
3	2405E pk	2.4	LumiGEN ILEVO	79.4	11	8.9	83.4	16	9.3	81.4	+4.0
4	25EJ92 pk	2.5	FI Victrato	81.3	6	8.7	88.6	13	9.2	84.9	+7.3
5	2697E pk	2.6	LumiGEN ILEVO	88.5	1	9.1	95.1	1	8.8	91.8	+6.6
6	V2677E	2.6	FI Victrato	75.3	18	8.8	90.5	10	9.2	82.9	+15.2
7	2755XF	2.7	FI Saltro	80.9	7	9.1	78.1	22	8.9	79.5	–2.8
8	27EJ02	2.7	FI Victrato	80.4	9	8.7	83.8	15	8.8	82.1	+3.4
9	V2735E	2.7	FI Victrato	72.1	25	9.0	73.2	25	9.2	72.7	+1.1
10	2876E	2.8	LumiGEN ILEVO	72.2	24	8.9	75.5	24	9.2	73.9	+3.3
11	28EJ82	2.8	FI Victrato	74.8	21	8.9	91.9	6	8.7	83.3	+17.1
12	2905E pk	2.9	LumiGEN ILEVO	80.5	8	9.1	89.5	11	8.8	85.0	+9.0
13	2935E	2.9	LumiGEN ILEVO	77.0	13	9.2	88.9	12	8.9	83.0	+11.9
14	30EH23	3.0	FI Victrato	75.6	17	8.9	92.5	4	9.5	84.0	+16.9
15	31EJ82	3.1	FI Victrato	67.4	28	9.1	82.0	18	9.8	74.7	+14.6
16	3056E	3.0	LumiGEN ILEVO	76.1	15	9.3	79.2	21	10.3	77.7	+3.1
17	32EJ12 pk	3.2	FI Victrato	83.2	2	10.3	92.1	5	10.8	87.6	+8.9
18	33EJ29	3.3	FI Victrato	82.6	3	9.1	94.0	2	10.3	88.3	+11.4
19	V3376E	3.3	FI Saltro	74.8	20	9.3	90.8	9	10.3	82.8	+15.9
20	3427E	3.4	LumiGEN ILEVO	79.0	12	10.8	93.5	3	10.8	86.2	+14.5
21	3566XF	3.5	FI Saltro	68.5	27	12.1	67.7	27	15.0	68.1	–0.8
22	V3556E	3.5	FI Victrato	73.9	22	9.9	82.4	17	12.8	78.2	+8.5
23	3326E pk	3.3	LumiGEN ILEVO	82.4	5	10.7	91.0	8	13.6	86.7	+8.6
24	3605E	3.6	LumiGEN ILEVO	80.3	10	10.3	91.7	7	13.7	86.0	+11.5
25	36EH32	3.6	FI Victrato	76.6	14	10.7	80.6	20	11.8	78.6	+4.0
26	3725XF	3.7	FI Saltro	72.6	23	18.0	64.5	28	19.5	68.5	–8.1
27	37EJ20	3.7	FI Victrato	72.1	26	13.6	68.3	26	14.2	70.2	–3.8
28	3825E	3.8	LumiGEN ILEVO	75.1	19	13.8	77.0	23	14.3	76.1	+1.9
	Plot average			**77.2**		**10.2**	**84.1**		**10.9**	**80.6**	**+6.9***



pk = Peking SCN source. Fungicide/insecticide applied July 15. Shaded = top 5. *Unrounded plot averages. Est. return = difference × $12.62 – $35/ac.

Danforth, IL

STINE PDP · FOLIAR FUNGICIDE/INSECTICIDE VS. NON-TREATED



Stine Plot: Fungicide/Insecticide Averaged 7.0 Bu/Ac More.

Stine PDP genetics plus seed-treatment entries. 24 of 25 entries yielded more with fungicide/insecticide.

PLANTED 4/25/2026 · HARVESTED 10/6/2026 · FALL STRIP-TILL · AFTER CORN · 4 ROWS × 30 IN

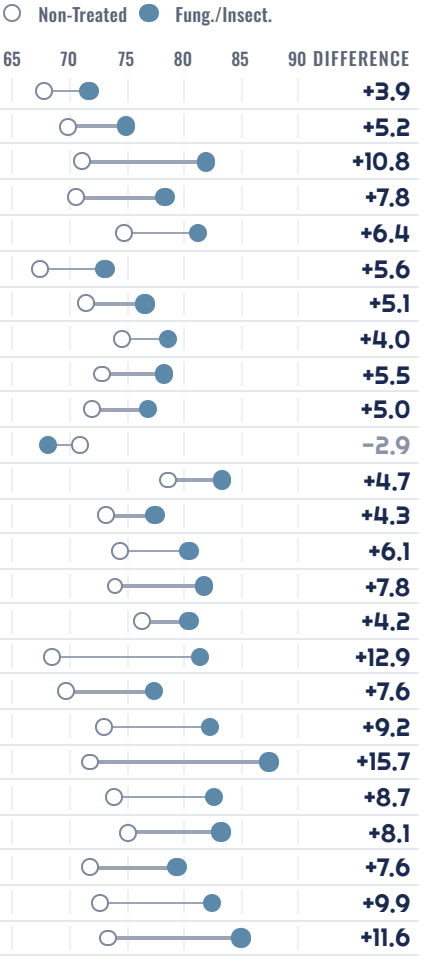
NON-TREATED PLOT
72.4 BU/AC
12.0% moisture

FUNGICIDE/INSECTICIDE PLOT
79.4 BU/AC
12.3% moisture

YIELDED MORE WITH FUNG./INSECT.
24 OF 25
24 at or above 2.77 bu/ac break-even

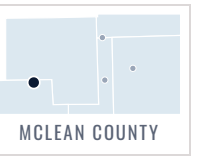
EST. RETURN AFTER COST
+$53 /AC
+7.0* bu × $12.62 = +$88 − $35

				NON-TREATED			FUNGICIDE/INSECTICIDE				
ENTRY	VARIETY	RM	SEED TRT.	YIELD	RANK	MOIST.	YIELD	RANK	MOIST.	AVG.	DIFFERENCE
1	21EK23	2.1	Untreated seed	67.9	24	10.2	71.8	24	10.4	69.8	+3.9
2	22EK02	2.2	Untreated seed	69.9	21	10.8	75.0	22	10.9	72.5	+5.2
3	22EK92 pk	2.2	Untreated seed	71.1	18	11.3	82.0	8	11.3	76.6	+10.8
4	24EK21	2.4	Untreated seed	70.7	20	11.4	78.4	16	11.2	74.5	+7.8
5	25EJ92 pk	2.5	Untreated seed	74.8	4	10.3	81.3	11	10.6	78.1	+6.4
6	26EK29	2.6	Untreated seed	67.5	25	10.7	73.1	23	11.0	70.3	+5.6
7	27EJ02	2.7	Untreated seed	71.5	17	10.3	76.7	21	10.6	74.1	+5.1
8	28EJ82	2.8	Untreated seed	74.7	5	10.5	78.7	15	10.9	76.7	+4.0
9	28EK20	2.8	Untreated seed	72.9	12	10.2	78.3	17	11.3	75.6	+5.5
10	29EK20	2.9	Untreated seed	72.0	14	11.3	76.9	20	10.3	74.4	+5.0
11	31EJ82	3.1	Untreated seed	71.0	19	11.0	68.1	25	11.6	69.5	−2.9
12	32EJ12 pk	3.2	Untreated seed	78.7	1	11.6	83.4	3	12.2	81.0	+4.7
13	32EJ92	3.2	Untreated seed	73.2	10	11.3	77.5	18	12.2	75.4	+4.3
13A	33EJ29	3.3	Untreated seed	74.4	6	11.8	80.5	12	11.4	77.5	+6.1
14	35EK92	3.5	Untreated seed	74.0	7	13.7	81.9	9	14.3	77.9	+7.8
15	36EK32	3.6	Untreated seed	76.4	2	11.9	80.5	13	11.9	78.5	+4.2
16	37EJ20	3.7	Untreated seed	68.6	23	15.5	81.5	10	14.7	75.0	+12.9
17	38EJ29	3.8	Untreated seed	69.8	22	16.4	77.4	19	18.1	73.6	+7.6
18	38EK02	3.8	Untreated seed	73.1	11	14.3	82.3	7	15.2	77.7	+9.2
19	38EK29	3.8	Untreated seed	71.8	15	14.4	87.5	1	14.8	79.7	+15.7
20	24EH32	2.4	FI	74.0	8	12.8	82.7	5	12.5	78.3	+8.7
21	24EH32	2.4	FI Victrato	75.2	3	12.8	83.3	4	12.8	79.2	+8.1
22	24EH32	2.4	Untreated seed	71.8	16	12.5	79.4	14	12.1	75.6	+7.6
23	32EJ92	3.2	FI	72.7	13	10.9	82.6	6	12.6	77.6	+9.9
24	32EJ92	3.2	FI Victrato	73.4	9	12.5	85.0	2	13.3	79.2	+11.6
	Plot average			**72.4**		**12.0**	**79.4**		**12.3**	**75.9**	**+7.0***



pk = Peking SCN source. Entries 20–24 compare seed treatments (Part 3). Shaded = top 5. *Unrounded plot averages. Est. return = difference × $12.62 − $35/ac.

Chenoa, IL SOYBEANS



V3197E Posted the Top Yield at 88.1 Bu/Ac.

24 varieties side by side. Yields spread 12.3 bu/ac from lowest to highest.

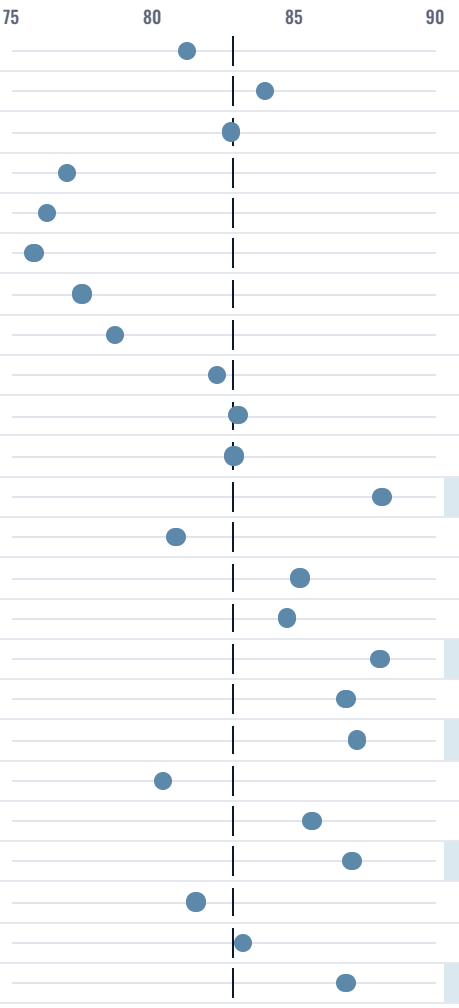
PLANTED 4/12/2026 · HARVESTED 10/6/2026 · FALL STRIP-TILL · AFTER CORN · 4 ROWS × 30 IN

PLOT AVERAGE
82.8 BU/AC
10.6% moisture · 24 varieties

HIGHEST YIELD
88.1 BU/AC
Voltis V3197E

RANGE IN THIS PLOT
75.8-88.1
12.3 bu/ac from lowest to highest

ENTRY	VARIETY	RM	SEED TRT.	YIELD	RANK	MOIST.	VS. PLOT AVG.
1	2547E pk	2.5	LumiGEN ILEVO	81.2	17	11.2	−1.6
2	2405E pk	2.4	LumiGEN ILEVO	84.0	10	11.1	+1.2
3	V2514E pk	2.5	FI Victrato	82.8	14	10.5	+0.0
4	2697E pk	2.6	LumiGEN ILEVO	77.0	22	10.3	−5.8
5	V2735E	2.7	FI Victrato	76.3	23	10.4	−6.5
6	2755XF	2.7	FI Victrato	75.8	24	10.6	−7.0
7	2876E	2.8	LumiGEN ILEVO	77.5	21	10.0	−5.3
8	28EJ82	2.8	FI Victrato	78.7	20	10.7	−4.1
9	V2917E pk	2.9	FI Victrato	82.3	15	10.7	−0.5
10	2905E pk	2.9	LumiGEN ILEVO	83.0	12	10.2	+0.2
11	2935E	2.9	LumiGEN ILEVO	82.9	13	10.7	+0.1
12	V3197E pk	3.1	FI Victrato	88.1	1	10.5	+5.3
13	31EJ82	3.1	FI Victrato	80.8	18	10.3	−2.0
14	3115XF	3.1	FI Victrato	85.2	8	10.1	+2.4
15	3056E	3.0	LumiGEN ILEVO	84.8	9	10.6	+2.0
16	32EJ12 pk	3.2	FI Victrato	88.0	2	10.9	+5.2
17	V3376E	3.3	FI Victrato	86.8	6	10.3	+4.0
18	3427E	3.4	LumiGEN ILEVO	87.2	3	10.5	+4.4
19	V3556E	3.5	FI Victrato	80.4	19	10.5	−2.4
20	3566XF	3.5	FI Victrato	85.6	7	10.6	+2.8
21	3326E pk	3.3	LumiGEN ILEVO	87.0	4	10.7	+4.2
22	3605E	3.6	LumiGEN ILEVO	81.5	16	10.2	−1.3
23	3725XF	3.7	FI Victrato	83.2	11	11.6	+0.4
24	3825E	3.8	LumiGEN ILEVO	86.8	5	11.5	+4.1
	Plot average			**82.8**		**10.6**	



pk = Peking SCN source. Dot = yield; dark tick = plot average. Shaded = top 5.

Cabery, IL SOYBEANS



36EH32 Posted the Top Yield at 91.2 Bu/Ac.

24 varieties side by side. Yields spread 24.6 bu/ac from lowest to highest.

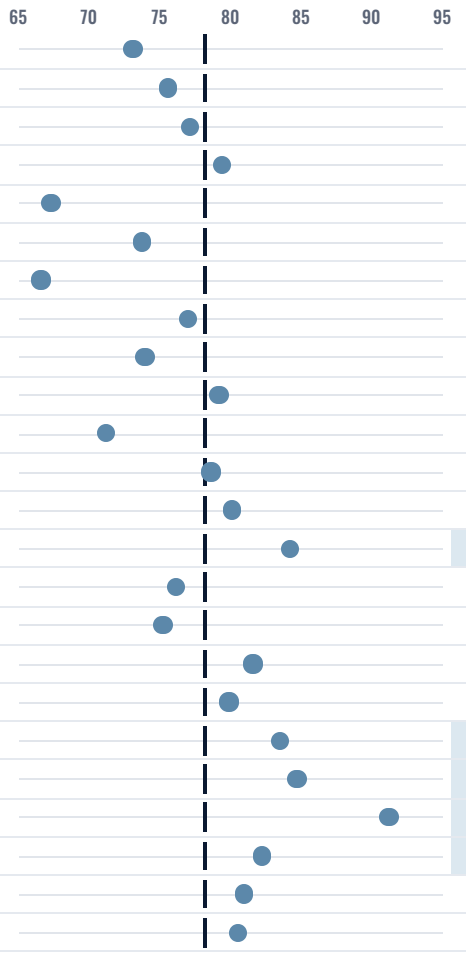
PLANTED 4/25/2026 · HARVESTED 10/20/2026 · FALL STRIP-TILL · AFTER CORN · 4 ROWS × 30 IN

PLOT AVERAGE
78.1 BU/AC
14.0% moisture · 24 varieties

HIGHEST YIELD
91.2 BU/AC
Stine 36EH32

RANGE IN THIS PLOT
66.6-91.2
24.6 bu/ac from lowest to highest

ENTRY	VARIETY	RM	SEED TRT.	YIELD	RANK	MOIST.	VS. PLOT AVG.
1	V2514E (pk)	2.5	FI Saltro	73.1	21	14.6	−4.9
2	2405E (pk)	2.4	LumiGEN ILEVO	75.6	17	14.6	−2.5
3	25EJ92 (pk)	2.5	FI Victrato	77.1	14	14.3	−1.0
4	2697E (pk)	2.6	LumiGEN ILEVO	79.4	11	14.5	+1.3
5	V2677E	2.6	FI Victrato	67.3	23	14.6	−10.7
6	27EJ02	2.7	FI Victrato	73.8	20	14.3	−4.3
7	V2735E	2.7	FI Victrato	66.6	24	14.5	−11.5
8	2876E	2.8	LumiGEN ILEVO	77.0	15	14.0	−1.1
9	28EJ82	2.8	FI Victrato	74.0	19	14.1	−4.1
10	2905E (pk)	2.9	LumiGEN ILEVO	79.2	12	13.8	+1.2
11	2935E	2.9	LumiGEN ILEVO	71.2	22	14.4	−6.8
12	30EH23	3.0	FI Victrato	78.6	13	14.0	+0.6
13	3056E	3.0	LumiGEN ILEVO	80.2	9	13.7	+2.1
14	32EJ12 (pk)	3.2	FI Victrato	84.3	3	14.2	+6.2
15	33EJ29	3.3	FI Victrato	76.2	16	13.5	−1.9
16	V3376E	3.3	FI Saltro	75.2	18	13.6	−2.8
17	3427E	3.4	LumiGEN ILEVO	81.6	6	13.5	+3.5
18	V3556E	3.5	FI Victrato	79.9	10	13.5	+1.9
19	3326E (pk)	3.3	LumiGEN ILEVO	83.5	4	14.1	+5.5
20	3605E	3.6	LumiGEN ILEVO	84.8	2	13.7	+6.7
21	36EH32	3.6	FI Victrato	91.2	1	13.5	+13.2
22	37EJ20	3.7	FI Victrato	82.2	5	14.6	+4.1
23	3825E	3.8	LumiGEN ILEVO	81.0	7	13.7	+2.9
24	3427E	3.4	FI Victrato	80.6	8	13.7	+2.5
	Plot average			**78.1**		**14.0**	



(pk) = Peking SCN source. 3427E was planted with two seed treatments (entries 17 and 24). Dot = yield; dark tick = plot average. Shaded = top 5.

Seed Treatment Side by Side.

Same variety, three seed treatments: untreated seed → FI → FI + Victrato. Each entry was grown in both the non-treated and fungicide/insecticide Stine plots; values are the two-plot average.

Stine 24EH32

TWO-PLOT AVG., BU/AC

Untreated seed — Entry 22

75.6 starting point

Non-treated plot 71.8 · Fungicide/insecticide plot 79.4

FI — Entry 20

78.3 +2.7 bu/ac vs. untreated seed

Non-treated plot 74.0 · Fungicide/insecticide plot 82.7

FI + Victrato Victrato — Entry 21

79.2 +3.6 bu/ac vs. untreated seed

Non-treated plot 75.2 · Fungicide/insecticide plot 83.3

Entries 22, 20 and 21 were planted next to each other.

Stine 32EJ92

TWO-PLOT AVG., BU/AC

Untreated seed — Entry 13

75.4 starting point

Non-treated plot 73.2 · Fungicide/insecticide plot 77.5

FI — Entry 23

77.6 +2.3 bu/ac vs. untreated seed

Non-treated plot 72.7 · Fungicide/insecticide plot 82.6

FI + Victrato Victrato — Entry 24

79.2 +3.9 bu/ac vs. untreated seed

Non-treated plot 73.4 · Fungicide/insecticide plot 85.0

Entries 23 and 24 were planted next to each other. Untreated entry 13 was planted earlier in the plot sequence; entry 25, the planned adjacent untreated entry, was not harvested.

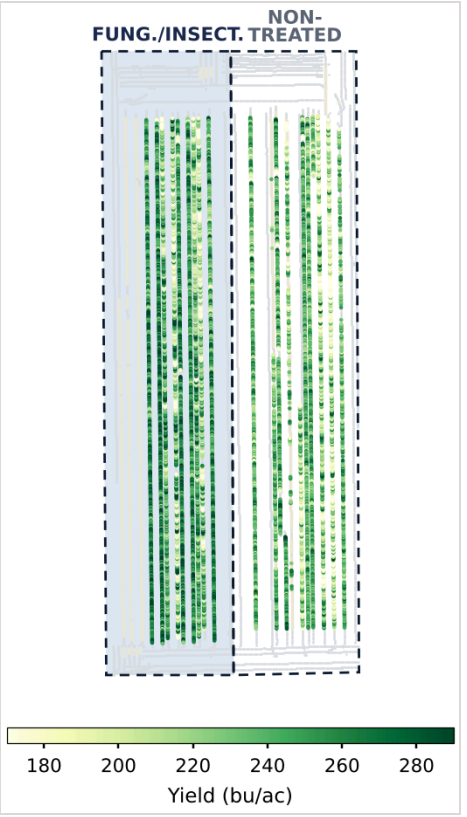
WHAT WE OBSERVED

- 24EH32: untreated seed 75.6 → FI 78.3 → FI + Victrato 79.2 bu/ac, and that order held in both plots.
- 32EJ92: untreated seed 75.4 → FI 77.6 → FI + Victrato 79.2 bu/ac. In the non-treated plot, untreated seed (73.2) out-yielded FI (72.7).
- FI + Victrato out-yielded FI in both varieties and both plots, by 0.6 to 2.5 bu/ac.

FI, FI Saltro and FI Victrato are the seed-treatment names recorded on the 2026 plot form. One plot of each entry per treatment.

Corn Field Trial: Both Hybrids with Fungicide/Insecticide Yielded 17-21 Bu/Ac More.

Foliar Fungicide/Insecticide vs. Non-Treated, Danforth S169: Revytek + bifenthrin applied July 15 on four 120-ft passes, vs. the next 480 ft. The planter alternated AgriGold 644-64VT2 and Hoegemeyer 8440V in 60-ft strips; each hybrid is compared with itself.



removed in cleanup
fungicide/insecticide or strip-till area
trial-area boundary
straddling strips or border hybrid

Fungicide/insecticide 480 ft (shaded) and the next 480 ft non-treated. Colored points are combine passes fully inside one 644-64VT2 or 8440V strip, as planted. The as-applied file shows a second sprayed 240-ft block at the east edge of the non-treated strip, so the whole-strip row is not shown.

AGRIGOLD 644-64VT2 · YIELD MONITOR

AREA	YIELD, BU/AC	MOIST.	ACRES	POINTS
Fungicide/insecticide · 480 ft	**258.8**	18.9%	4.5	2,473
Non-treated · next 480 ft	**238.3**	18.7%	4.7	2,739

+20.5 BU/AC
fungicide/insecticide – next 480 ft

REVENUE DIFFERENCE
+$93 /AC
+20.5 bu × $4.55

EST. RETURN AFTER $35
+$58 /AC

644-64VT2 difference with a 30 / 60 / 90 ft edge buffer: **+20.4 / +20.5 / +21.3** bu/ac

HOEGEMEYER 8440V · YIELD MONITOR

AREA	YIELD, BU/AC	MOIST.	ACRES	POINTS
Fungicide/insecticide · 480 ft	**224.8**	17.6%	3.6	2,322
Non-treated · next 480 ft	**207.8**	18.0%	2.5	1,813

+17.0 BU/AC
fungicide/insecticide – next 480 ft

REVENUE DIFFERENCE
+$77 /AC
+17.0 bu × $4.55

EST. RETURN AFTER $35
+$42 /AC

8440V difference with a 30 / 60 / 90 ft edge buffer: **+16.9 / +17.0 / +17.4** bu/ac

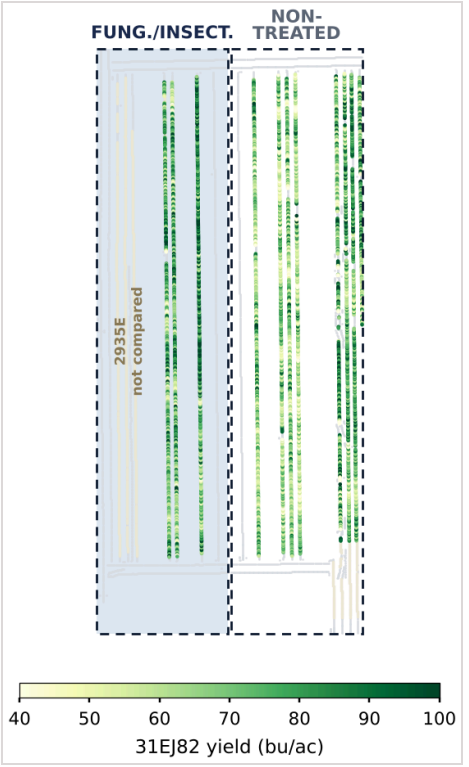
Hybrids matched to the planting record. The combine logged every pass as 8440V, so each point was matched to the hybrid under the full 20-ft head (after a 3.5-ft GPS offset fix). Left out: 1,286 treated and 693 non-treated points straddling two strips or on border hybrids, and one non-treated 8440V pass that ran 24% below the other 8440V passes end to end at normal speed, as if 2 of 8 rows had already been cut by the second combine (kept in, 8440V would be +29.9).

DATA CLEANUP	IN AREA	USED	KEPT	LARGEST REMOVALS
Fungicide/insecticide 480 ft	9,306	4,795	52%	other hybrid/variety or straddling 1,286, edge buffer 1,259, headland passes 847
Next 480 ft	10,940	4,552	42%	near sprayed ground 1,437, partial header 1,122, headland passes 837

Yield-monitor data cleaned the same way on both sides (bad points, headlands, turns and a 60-ft edge buffer removed); hybrids and varieties matched to the planting record. Est. return = difference × $4.55 – $35/ac.

Soybean Field Trial: 31EJ82 with Fungicide/Insecticide Yielded 7.4 Bu/Ac More.

Foliar Fungicide/Insecticide vs. Non-Treated at field scale, Danforth N160. Revytek fungicide + bifenthrin insecticide applied July 15 on four 120-ft passes. Only Stine 31EJ82, the variety on the non-treated side, is compared.



removed in cleanup
fungicide/insecticide or strip-till area
trial-area boundary
2935E · not compared

Fungicide/insecticide 480 ft (shaded) and the next 480 ft non-treated. Colored points are 31EJ82 as planted; the west half of the treated passes was planted to 2935E and is not compared.

STINE 31EJ82 (VICTRATO) · YIELD MONITOR

AREA	YIELD, BU/AC	MOIST.	ACRES	POINTS
Fungicide/insecticide · 480 ft	**75.6**	**11.4%**	**3.5**	**1,549**
Non-treated · next 480 ft	**68.2**	**11.5%**	**8.4**	**3,884**
Non-treated · whole strip	69.9	11.9%	16.7	7,907

+7.4 BU/AC
fungicide/insecticide – next 480 ft

+5.7 BU/AC
fungicide/insecticide – whole strip

REVENUE DIFFERENCE
+$93 /AC
+7.4 bu × $12.62

EST. RETURN AFTER $35
+$58 /AC

Same variety on both sides, matched to the planting record rather than the combine's variety label. Left out: 1,495 treated points on 2935E ground or on a pass straddling the variety line, and 328 non-treated points on the 2935E headland at the south end.

31EJ82 difference with a 30 / 60 / 90 ft edge buffer: **+6.4 / +7.4 / +7.3** bu/ac

SCALE WEIGHTS · WEIGH WAGON · 31EJ82 BOTH STRIPS

AREA	YIELD, BU/AC	MOIST.	NET LB	BUSHELS	ACRES
Non-treated · 180 ft	76.7	11.5%*	34,520	575.3	7.50
Fungicide/insecticide · 180 ft	83.5	11.4%*	37,560	626.0	7.50

Scale difference: **+6.8 bu/ac** (fungicide/insecticide · 180 ft – non-treated · 180 ft). Net weight ÷ 60 lb/bu ÷ acres. *Moisture wasn't recorded at the scale; shown from the yield monitor on the same strips.

DATA CLEANUP	IN AREA	USED	KEPT	LARGEST REMOVALS
Yield monitor · fungicide/insecticide 480 ft	6,119	1,549	25%	edge buffer 1,655, other hybrid/variety or straddling 1,495, headland passes 563
Yield monitor · next 480 ft	6,253	3,884	62%	edge buffer 650, headland passes 583, other hybrid/variety or straddling 328

Yield-monitor data cleaned the same way on both sides (bad points, headlands, turns and a 60-ft edge buffer removed); hybrids and varieties matched to the planting record. Weighed strips: 72 rows (180 ft) on each side of the application line, both 31EJ82. Est. return = difference × $12.62 – $35/ac.

The Observed Differences, in Dollars.

Each foliar fungicide/insecticide comparison, at one set of stated book assumptions — not current market prices.

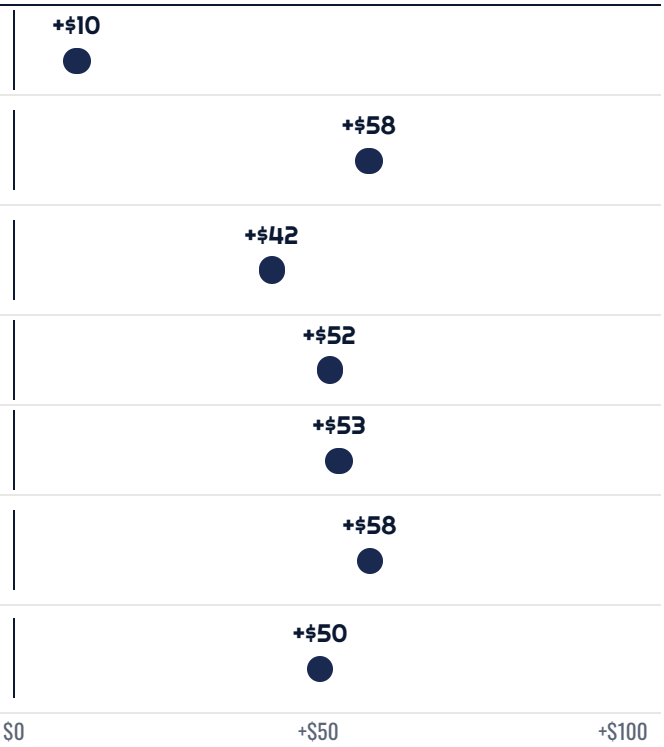
$4.55
CORN, PER BU

$12.62
SOYBEANS, PER BU

$35
TREATMENT COST / ACRE PRODUCTS + APPLICATION

7.69 / 2.77
BREAK-EVEN BU/AC CORN / SOYBEANS

COMPARISON	OBSERVED DIFF.	BREAK-EVEN	REVENUE DIFF.
Danforth corn plot 26 hybrids · fungicide/insecticide vs. non-treated plot averages	**+10.0** BU/AC	**7.69** BREAK-EVEN	**+$45** REVENUE
Corn field trial · AgriGold 644-64VT2 Fungicide/insecticide 480 ft vs. next 480 ft · as planted	**+20.5** BU/AC	**7.69** BREAK-EVEN	**+$93** REVENUE
Corn field trial · Hoegemeyer 8440V Fungicide/insecticide 480 ft vs. next 480 ft · as planted	**+17.0** BU/AC	**7.69** BREAK-EVEN	**+$77** REVENUE
Danforth soybean plot 28 varieties · fungicide/insecticide vs. non-treated plot averages	**+6.9** BU/AC	**2.77** BREAK-EVEN	**+$87** REVENUE
Danforth Stine plot 25 entries · fungicide/insecticide vs. non-treated plot averages	**+7.0** BU/AC	**2.77** BREAK-EVEN	**+$88** REVENUE
Soybean field trial · Stine 31EJ82 Yield monitor · fungicide/insecticide 480 ft vs. next 480 ft	**+7.4** BU/AC	**2.77** BREAK-EVEN	**+$93** REVENUE
Soybean field trial · scale weights Weigh wagon · 180 ft each side, 7.5 ac · 31EJ82	**+6.8** BU/AC	**2.77** BREAK-EVEN	**+$85** REVENUE

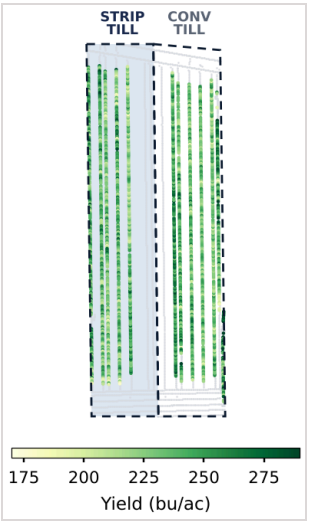


Observed revenue difference = yield difference × stated crop price. Estimated return after treatment cost = revenue difference − $35/acre. Other costs that change with yield are not included; this is not whole-farm profit. Break-even = $35 ÷ stated price (7.692 bu corn, 2.773 bu soybeans), shown rounded. Plot differences use unrounded plot averages; field-trial differences come from the raw harvest files (fungicide/insecticide 480 ft vs. the next 480 ft). The $35 cost is applied only to fungicide/insecticide comparisons — not to seed-treatment or tillage results.

Strip-Till vs. Conventional Tillage.

Side-by-side tillage blocks at Danforth. The main comparison uses equal 240-ft bands on each side of the tillage line, which keeps the conventional ground north of the house and around the trees out.

removed in cleanup · fungicide/insecticide or strip-till area · trial-area boundary



Corn · Hoegemeyer 8014PCE · SE 40

YIELD MONITOR

AREA	YIELD, BU/AC	MOIST.	ACRES	POINTS
Strip-till · 240 ft along the line	**234.2**	18.9%	2.5	1,080
Conventional · 240 ft along the line	**238.6**	18.7%	2.8	1,201

+4.4 BU/AC

conventional − strip-till, along the line · whole blocks 234.7 vs. 233.6

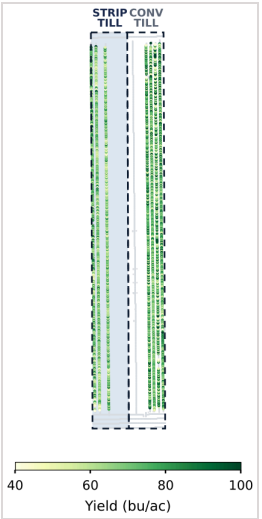
Part of the conventional block was logged as an 8014PCE/7700PCE mix (69C7/67C1); 8014PCE-only conventional ground averaged 238.1. The monitor gap moves with the buffer; the scale shows the two essentially even.

Difference with a 30 / 60 / 90 ft edge buffer: **+2.4 / +4.4 / −0.1** bu/ac

SCALE WEIGHTS · WEIGH WAGON

AREA	YIELD, BU/AC	MOIST.	NET LB	BUSHELS	ACRES
Strip-till · 1,197 ft	**253.9**	18.9%*	31,000	563.6	2.22
Conventional · 1,128 ft	**253.2**	18.7%*	30,920	562.2	2.22

Scale difference: **−0.7 bu/ac** (conventional · 1,128 ft − strip-till · 1,197 ft). Net weight ÷ 55 lb/bu ÷ acres.
*Moisture wasn't recorded at the scale; shown from the yield monitor on the same strips.



Soybeans · Hoegemeyer 2935E · N160

YIELD MONITOR

AREA	YIELD, BU/AC	MOIST.	ACRES	POINTS
Strip-till · 240 ft along the line	**66.8**	12.6%	4.7	2,350
Conventional · 240 ft along the line	**73.2**	12.2%	6.3	3,079

+6.4 BU/AC

conventional − strip-till, along the line · whole blocks 67.3 vs. 73.5

Difference with a 30 / 60 / 90 ft edge buffer: **+5.4 / +6.4 / +6.4** bu/ac

SCALE WEIGHTS · WEIGH WAGON

AREA	YIELD, BU/AC	MOIST.	NET LB	BUSHELS	ACRES
Strip-till · 120 ft	**75.7**	12.6%*	30,140	502.3	6.64
Conventional · 120 ft	**80.9**	12.2%*	32,220	537.0	6.64

Scale difference: **+5.2 bu/ac** (conventional · 120 ft − strip-till · 120 ft). Net weight ÷ 60 lb/bu ÷ acres.
*Moisture wasn't recorded at the scale; shown from the yield monitor on the same strips; check passes not in totals — check pass, right on the split: 15,040 lb, 75.5 bu/ac; check pass east of the trial pass: 16,300 lb, 81.8 bu/ac.

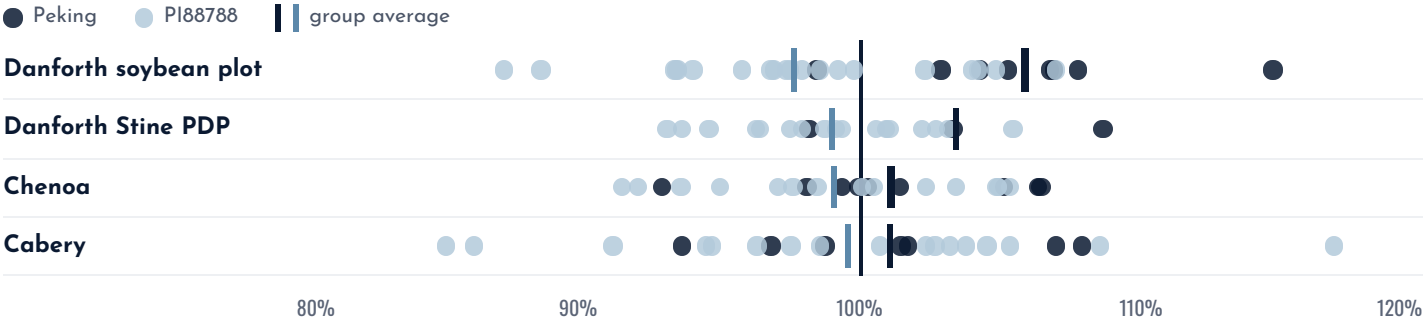
Yield monitor cleaned as on the fungicide/insecticide trial pages. One season, one block per system.

Peking vs. PI88788, Every Soybean Plot.

Each variety as a percent of its plot's average, grouped by SCN resistance source. pk = Peking. Stine "R" varieties are PI88788.

PLOT	PEKING pk			PI88788			PEKING − PI88788	AVG RM
	#	% OF AVG	ABOVE AVG	#	% OF AVG	ABOVE AVG	PTS	PK / PI
Danforth soybean plot	8	105.9%	7 of 8	20	97.7%	5 of 20	+8.2	2.7 / 3.2
Danforth Stine PDP	3	103.4%	2 of 3	17	99.0%	7 of 17	+4.4	2.6 / 3.1
Chenoa	9	101.1%	5 of 9	14	99.1%	7 of 14	+2.0	2.8 / 3.2
Cabery	7	101.1%	4 of 7	17	99.6%	9 of 17	+1.5	2.8 / 3.2
All four plots							+4.0	

EVERY VARIETY, % OF PLOT AVERAGE



WHAT WE OBSERVED

- Peking varieties averaged +4.0 percentage points above PI88788 varieties across the four plots, and were ahead in 4 of 4.
- Top Peking results: 2697E 115% (Danforth); 32EJ12 109% (Danforth); 32EJ12 108% (Cabery).
- The Peking group is smaller and earlier on average, and SCN wasn't measured in these fields — this shows where varieties landed, not why.

SCN source from the AgTech 2027 product reference; Stine lists "R" (resistant), shown here as PI88788. 3115XF (PI88788 + Peking) is not grouped. Danforth plots use the non-treated side; seed-treatment entries are left off.

What We Observed Across the 2026 Plots.

Patterns in the harvested results so far. They describe what happened in these plots — you're the judge of how they fit your farm.

01 Fungicide/insecticide plots yielded more on average at Danforth.
Corn +10.0, soybeans +6.9 and the Stine plot +7.0 bu/ac — fungicide/insecticide vs. non-treated plot averages, one pair of plots each.

02 Products didn't respond alike.
Corn responses ran from –10.7 to +26.0 bu/ac; soybeans from –8.1 to +17.1. Products may differ in how they respond to management practices — we'll keep evaluating this locally.

03 Later corn showed the larger responses.
Every Danforth hybrid at 112 days RM and later yielded more with fungicide/insecticide. Those hybrids were also planted together, so maturity and position in the field can't be separated here.

04 One plot's ranking didn't predict another's.
26 hybrids were in both the Danforth non-treated plot and Piper City. Their orders barely matched: 647-09VT2 ranked 23rd at Danforth and 1st at Piper City; 644-64VT2 ranked 24th at Danforth and 3rd at Piper City; 8427V ranked 4th at Danforth and 25th at Piper City. That's why we test in more than one place.

05 The same soybean can respond differently in two plots.
37EJ20: –3.8 in the soybean plot, +12.9 in the Stine plot; 31EJ82: +14.6 in the soybean plot, –2.9 in the Stine plot; 28EJ82: +17.1 in the soybean plot, +4.0 in the Stine plot (fungicide/insecticide minus non-treated, bu/ac).

06 Peking varieties ran ahead of PI88788 in every soybean plot.
On average +4.0 points of plot average across the four plots (page 22). The Peking group is smaller and earlier, so this shows where varieties landed, not why.

RESEARCH NOTES

Locations. 8 product plots in Cabery, Chenoa, Danforth and Piper City. Fungicide/insecticide, seed-treatment and tillage comparisons are from the Danforth Research Farm.

Data. Plot weights and moisture from the 2026 plot reports and plot form; field trials from John Deere harvest data and weigh-wagon scale weights. RM and SCN source from the AgTech 2027 product reference.

Yields. Adjusted to standard moisture and harvested row length. Ranks are within each plot.

Foliar fungicide/insecticide. Revytek fungicide (EPA Reg. No. 7969-406) + bifenthrin insecticide, applied together July 15, 2026.

Plot design. Each product was grown once per plot. No formal statistical tests are reported.

Economics. $4.55/bu corn and $12.62/bu soybeans are book assumptions; $35/ac covers product and application.

DISCLOSURES

Pesticide labels. Always read and follow label directions. Agricultural bifenthrin products are generally Restricted Use Pesticides. Mention of a product or rate is not a recommendation.

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Your fields. Results are from 2026 plots in our area. Weather, soils, pests and management vary by field and year. Consider your own conditions and advisors when choosing products.

ABOUT AGTECH ADVANTAGE

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2026 PLOT NETWORK · 8 PLOTS · 4 COMMUNITIES

Danforth	Corn	Product plot · fungicide/insecticide vs. non-treated
Danforth	Soybeans	Product plot · fungicide/insecticide vs. non-treated
Danforth	Soybeans	Stine PDP · fungicide/insecticide vs. non-treated
Piper City	Corn	Product plot
Chenoa	Corn	Product plot
Chenoa	Soybeans	Product plot
Cabery	Corn	Product plot
Cabery	Soybeans	Product plot

Plots are open for walk-throughs. Ask us about any product in this book.

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