

Test by: North Iowa F.I.R.S.T., Inc. Sanborn, IA

### 2023 Soybeans Top 30 Harvest Report

Iowa North Central [IANC] IOWA FALLS, IA  
Landon Aldinger, Franklin County, IA

<b>Early-Season Test</b>	Maturity Group 2.1 - 2.5 S2023IANC03a
<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Surestart II, Callisto Xtra, Abundit Edge, Veltyma
<b>SOIL DESCRIPTION:</b>	Nicollet loam, moderately drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, very high K, 6.0 pH, 4.2% OM, 19.1 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Sonic, Liberty 280 SI, Outlook, Veltyma, Declare
<b>Applied N-P-K (units):</b>	0-0-188
<b>SEEDED - RATE - ROW:</b>	May 16 144.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 9 129.1 /A

#### TEST COMMENTS:

Landon noted that as of July 5, the growing season was very similar to 2022. This farm started with slightly better moisture at planting, then dried up until the last couple weeks of June and into July. Beans in the area took a while to get going but looked pretty good as they were in full flower, R2 stage. It is worth noting the field placement of the FIRST plot was positioned on lighter ground and did not have the yield potential representative of the surrounding area. From planting through Oct 1, this farm was 11.6" below the 10-yr average for total rainfall. The severe drought conditions revealed unforeseen sub-soil variability within the field, causing variability in the yield data. The early-season test data was rejected due to drought-related variability. The full-season test had significant differences among the varieties, but elevated variation and results should be used with caution.

Company/Brand	Product/Brand	Yield †	MO	SH	Yield Bu/a	Moisture %	lodging %	Stand (s)	Gross Income \$/Acre	Rank
Coronado	2202P20 +	807	2.3	R	75.8	9.8	18	128.0	828	1
PI H2021	H2 20210 +	811	2.4	R	75.1	9.8	18	128.0	821	2
Alto	80 2020E +	811	2.2	R	71.9	9.8	20	128.0	808	3
PI Coronado	2202E +	811	2.2	R	80.8	10.2	8	127.3	827	4
Alto	24P202 g +	807	2.4	R	80.7	10.2	8	127.3	798	5
Alto	2202E +	811	2.3	R	79.2	10.2	8	127.3	798	6
Alto	80 2021E +	811	2.3	R	79.2	9.8	17	128.7	798	7
Argus	AG2102P g +	807	2.1	R	80.2	10.0	10	128.7	798	8
Argusmax	2202E +	811	2.1	R	80.9	10.0	10	128.7	792	9
Alto	2202E +	811	2.3	R	79.2	10.2	8	128.0	792	10
Alto	80202E +	811	2.4	R	79.2	10.2	8	128.7	792	11
Coronado	2202E +	811	2.4	R	81.7	10.2	8	128.0	791	12
Golden Harvest	24P2020P g +	811	2.1	R	80.9	10.1	8	127.3	792	13
Alto	22102E +	811	2.3	R	80.1	10.1	8	128.3	792	14
Coronado	2202E +	811	2.3	R	80.8	10.0	20	128.0	791	15
Alto	802020P +	811	2.1	R	80.8	10.1	8	128.0	800	16
PI Coronado	2202E +	811	2.4	R	80.1	10.2	8	128.0	800	17
Alto	2202E +	811	2.2	R	80.8	10.2	8	127.3	800	18
Alto	80 2021E +	811	2.4	R	80.1	10.1	8	127.3	800	19
Alto	2202E +	811	2.3	R	81.2	10.0	8	128.0	800	20
Alto	2202E +	811	2.4	R	81.2	10.2	8	127.3	800	21
Alto	2202E +	811	2.4	R	81.2	10.2	8	127.3	800	22
Alto	2202E +	811	2.4	R	81.1	10.0	8	128.0	800	23
Golden Harvest	24P2020P g +	807	2.3	R	81.0	10.1	20	128.0	800	24
Alto	80 2021E +	811	2.3	R	80.8	10.1	8	127.3	800	25
Coronado	2202P20 +	807	2.3	R	80.0	10.2	4	127.3	800	26
PI Coronado	2202E +	811	2.3	R	80.8	10.2	8	127.3	800	27
PI H2021	H2 20210 +	811	2.3	R	80.4	10.2	8	128.0	800	28
Argusmax	2202E +	811	2.4	R	80.2	10.0	8	128.0	801	29
PI Coronado	2421E +	811	2.1	R	80.8	10.0	8	127.3	810	30
PI H2021	H2 20210 +	811	2.3	R	80.2	10.2	8	127.3	807	31

REJECTED

*Corey Rozenboom*

Corey Rozenboom  
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Averages =	<b>54.1</b>	<b>10.0</b>	<b>6</b>	<b>129.1</b>	<b>688</b>
LSD (0.10) =	ns	1.1	10		
LSD (0.25) =	ns	0.6	5		
C.V. =	16.0			Historic yield: 58.02 bu/a, 21 yr(s)	

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$12.60

Report Date: 10/10/2023

Additional reports available at [www.firstseedtests.com](http://www.firstseedtests.com)

† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different. ↗ Links to full product yield results at [www.firstseedtests.com](http://www.firstseedtests.com)

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## 2023 Soybeans Top 30 Harvest Report

Iowa North Central [IANC] IOWA FALLS, IA  
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<b>Full-Season Test</b>	Maturity Group <b>2.6 - 2.9</b> S2023IANC03b
<b>Top 30 of 34</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Surestart II, Callisto Xtra, Abundit Edge, Veltyma
<b>SOIL DESCRIPTION:</b>	Nicollet loam, moderately drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, very high K, 6.0 pH, 4.2% OM, 19.1 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Sonic, Liberty 280 SI, Outlook, Veltyma, Declare
<b>Applied N-P-K (units):</b>	0-0-188
<b>SEEDED - RATE - ROW:</b>	May 16 144.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 9 128.5 /A

### TEST COMMENTS:

Landon noted that as of July 5, the growing season was very similar to 2022. This farm started with slightly better moisture at planting, then dried up until the last couple weeks of June and into July. Beans in the area took a while to get going but looked pretty good as they were in full flower, R2 stage. It is worth noting the field placement of the FIRST plot was positioned on lighter ground and did not have the yield potential representative of the surrounding area. From planting through Oct 1, this farm was 11.6" below the 10-yr average for total rainfall. The severe drought conditions revealed unforeseen sub-soil variability within the field, causing variability in the yield data. The early-season test data was rejected due to drought-related variability. The full-season test had significant differences among the varieties, but elevated variation and results should be used with caution.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	27N06E ↗	E3	2.7	R	<b>47.9</b>	10.0	2	130.0	604	1
FS HiSOY	HS 28F30 ↗	RXF	2.8	R	<b>47.7</b>	10.2	2	124.7	601	2
Stine	28EG29 § ↗	E3	2.8	R	<b>45.9</b>	10.5	2	130.0	578	3
NuTech	27N03E ↗	E3	2.7	R	<b>45.7</b>	10.2	1	127.3	576	4
Genesis	G2780E ↗	E3	2.7	R	<b>45.6</b>	10.3	1	130.0	575	5
Zinesto	Z2604E ↗	E3	2.6	R	42.7	10.3	1	130.0	538	7
P3 Genetics	2326E ↗	E3	2.6	R	42.4	10.5	4	130.0	534	8
Xitavo	XO 2832E ↗	E3	2.8	R	42.1	10.1	1	130.0	530	9
FS HiSOY	HS 27E30 ↗	E3	2.7	R	40.5	10.4	4	130.0	510	10
Asgrow	AG27XF3 § ↗	RXF	2.7	R	40.5	10.3	5	130.0	510	11
Zinesto	Z2700E ↗	E3	2.7	R	40.5	10.3	9	124.7	510	12
FS HiSOY	HS 28E10 ↗	E3	2.8	R	40.4	10.4	4	127.3	509	13
Pioneer	P26T57E § ↗	E3	2.6	R	39.4	10.2	2	129.7	496	14
Stine	27EG22 § ↗	E3	2.7	R	38.5	10.4	1	130.0	485	15
Golden Harvest	GH2814E3S § ↗	E3,ST	2.8	MR	38.5	10.5	6	130.0	485	16
Xitavo	XO 2613E ↗	E3	2.6	R	38.1	10.3	1	130.0	480	17
FS HiSOY	HS 26E20 ↗	E3	2.6	R	37.8	10.5	1	127.3	476	18
Golden Harvest	GH2674E3 § ↗	E3	2.6	MR	37.8	10.3	1	132.3	476	19
Kruger	K2604XF ↗	RXF	2.6	R	37.6	10.3	1	130.0	474	20
Titan Pro	TP 29E23 ↗	E3	2.9	R	36.9	10.1	1	122.3	465	21
Kruger	K2816XF ↗	RXF	2.8	R	36.7	10.0	4	124.7	462	22
Pioneer	P28A65E § ↗	E3	2.8	R	35.1	10.0	1	130.0	442	23
NuTech	29N04E ↗	E3	2.9	R	33.8	9.8	1	130.0	426	24
Hoegemeyer	2834 E GC ↗	E3	2.8	R	33.0	9.9	1	125.0	416	25
Hoegemeyer	2724 E GC ↗	E3	2.7	R	32.9	9.8	1	130.0	415	26
NuTech	29N02E ↗	E3	2.9	R	32.4	10.1	1	130.0	408	27
Xitavo	XO 2963E ↗	E3	2.9	R	31.1	10.4	1	127.3	392	28
Zinesto	Z2902E ↗	E3	2.9	NA	30.8	10.5	1	124.7	388	29
Asgrow	AG28XF3 § ↗	RXF	2.8	R	29.5	10.0	1	130.0	372	30
Cornelius	CB27XF72 ↗	RXF	2.7	R	29.1	9.8	1	130.0	367	31
<b>CROPLAN</b>	<b>CP2520E CK</b>	<b>E3</b>	<b>2.5</b>	<b>R</b>	<b>44.6</b>	<b>10.0</b>	<b>2</b>	<b>130.0</b>	<b>562</b>	<b>6</b>

*Corey Rozenboom*

Corey Rozenboom

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Averages =	<b>37.8</b>	<b>10.2</b>	<b>2</b>	<b>128.5</b>	<b>474</b>
LSD (0.10) =	6.8	0.2	ns		
LSD (0.25) =	3.6	0.1	ns		
C.V. =	17.0				
					Historic yield: 58.02 bu/a, 21 yr(s)

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$12.60

Report Date: 10/10/2023

† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different. ↗ Links to full product yield results at [www.firstseedtests.com](http://www.firstseedtests.com)

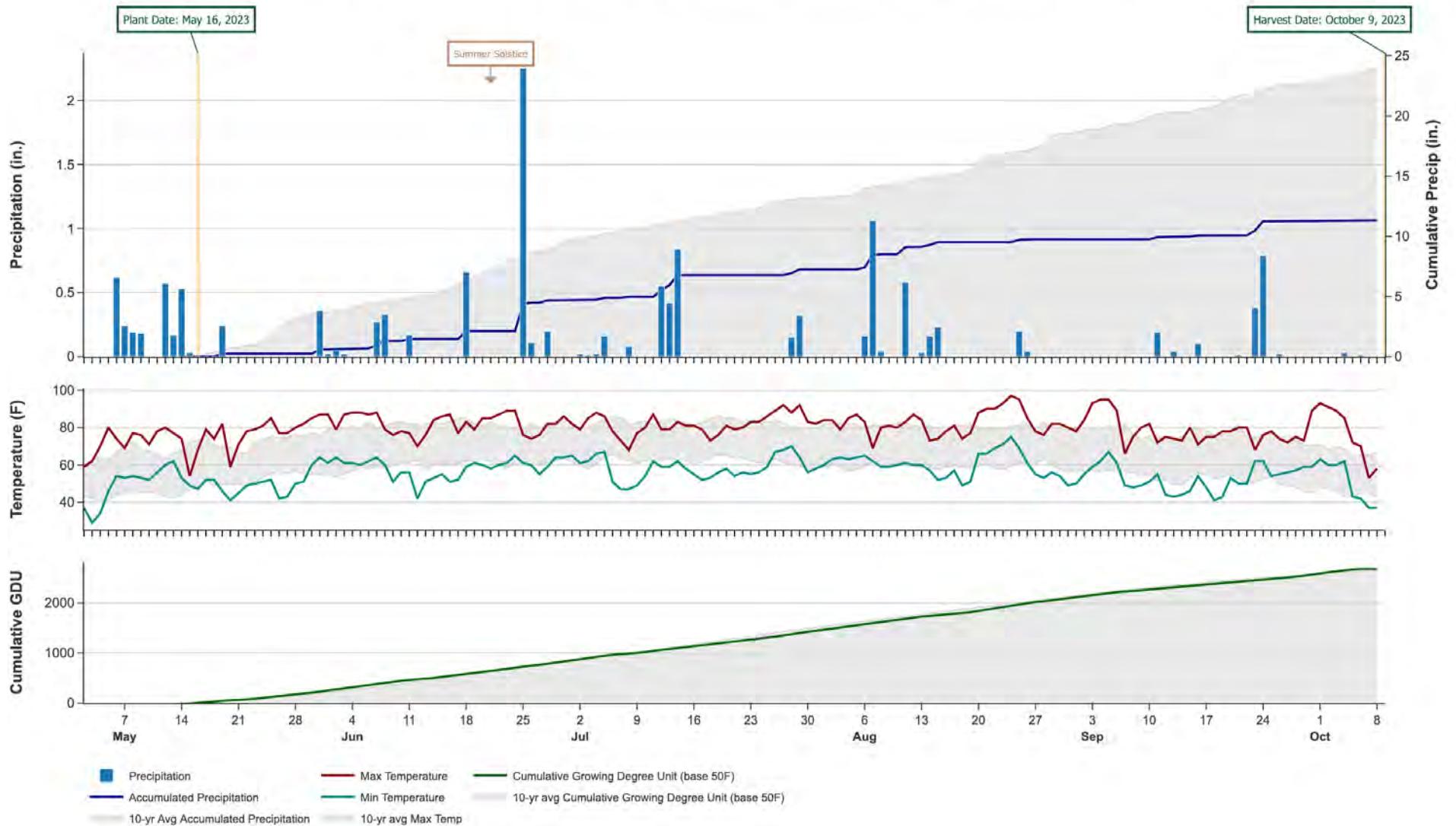
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# 2023 Soybeans - Iowa North Central [ IANC ]

## Weather Conditions Summary at IOWA FALLS, IA

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   (Diff)	3.1   5.5 (-2.4)	4.1   5.9 (-1.9)	2.6   3.6 (-1.1)	2.5   5.3 (-2.8)	1.5   4.2 (-2.7)	0.0   1.2 (-1.1)	13.8   25.8 (-12.0)
GDU   Avg (Diff)	401   320 (+80)	602   620 (-18)	612   693 (-81)	642   623 (+18)	476   450 (+25)	115   69 (+45)	2848   2778 (+69)



\* First monthly total starts on the date 14 days prior to planting and final monthly total ends on the harvest date.

Note: Weather information from PRISM Climate Group. Data may be revised by the provider after retrieval. FIRST will not revise or update reports to reflect any weather data changes. For information purposes only.



## 2023 Soybeans - Iowa North Central [ IANC ]

### Early-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE2440	E3	R	2.4	PU
Asgrow	AG21XF2 §	RXF	R	2.1	ACi,IL
Asgrow	AG25XF3 §	RXF	R	2.5	ACi,IL
Cornelius	CB23XF63	RXF	R	2.3	PG+
Cornelius	CB25XF99	RXF	R	2.5	PG+
Croplan	CP2520E CK	E3	R	2.5	W
FS HiSOY	HS 23E10	E3,ST	R	2.3	ACi,SA
FS HiSOY	HS 23F10	RXF	R	2.3	ACi,SA
FS HiSOY	HS 24E30	E3	R	2.4	ACi,SA
FS HiSOY	HS 25E30	E3	R	2.5	ACi,SA
Genesis	G2480E	E3	R	2.4	EcQ,NF,NH,SA
Genesis	G2550E	E3	R	2.5	EcQ,NF,NH,SA
Golden Harvest	GH2292E3 §	E3	MR	2.2	CMB-APX,SA
Golden Harvest	GH2544XF §	RXF	R	2.5	CMB-APX,SA
Hoegemeyer	2194 E	E3	R	2.1	Lum, LumT, IL
Hoegemeyer	2484 E	E3	R	2.4	Lum,Lu,IL
Kruger	K2115XF	RXF	R	2.1	ACi,IL
Kruger	K2294XF	RXF	R	2.2	ACi,IL
NuTech	22N03E	E3	R	2.2	Lum,Lu,Lud,IL
NuTech	24N05E	E3	R	2.4	Lum,Lu,Lud,IL
NuTech	25N04E	E3	R	2.5	Lum,Lu,IL
P3 Genetics	2322E	E3	R	2.2	PG+
P3 Genetics	2325E	E3	R	2.5	PG+
P3 Genetics	2421E	E3	R	2.1	PG+
P3 Genetics	2424E	E3	R	2.4	PG+
Stine	21EG32 §	E3	R	2.1	ACi
Stine	24FD32 §	RXF	R	2.4	ACi
Titan Pro	TP 25E22	E3	R	2.5	SA,A,R,TU
Xitavo	XO 2282E	E3	R	2.2	PV,IL,OB,Rey
Xitavo	XO 2323E	E3	R	2.3	PV,IL,OB,Rey
Xitavo	XO 2444E	E3,ST	R	2.4	PV,IL,OB,Rey
Xitavo	XO 2501E	E3	R	2.5	PV,IL,OB,Rey
Zinesto	Z2101E	E3	R	2.1	DST5
Zinesto	Z2202E	E3	NA	2.2	DST5
Zinesto	Z2303E	E3	R	2.3	DST5
Zinesto	Z2404E	E3	R	2.4	DST5

## 2023 Soybeans - Iowa North Central [ IANC ]

### Full-Season Test Products (34 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG27XF3 §	RXF	R	2.7	ACi,IL
Asgrow	AG28XF3 §	RXF	R	2.8	ACi,IL
Cornelius	CB27XF72	RXF	R	2.7	PG+
Croplan	CP2520E CK	E3	R	2.5	W
FS HiSOY	HS 26E20	E3	R	2.6	ACi,SA
FS HiSOY	HS 27E30	E3	R	2.7	ACi,SA
FS HiSOY	HS 28E10	E3	R	2.8	ACi,SA
FS HiSOY	HS 28F30	RXF	R	2.8	ACi,SA
Genesis	G2780E	E3	R	2.7	EcQ,NF,NH,SA
Golden Harvest	GH2674E3 §	E3	MR	2.6	CMB-APX,SA
Golden Harvest	GH2814E3S §	E3,ST	MR	2.8	CMB-APX,SA
Hoegemeyer	2724 E GC	E3	R	2.7	Lum,Lu,IL
Hoegemeyer	2834 E GC	E3	R	2.8	Lum,Lu,IL
Kruger	K2604XF	RXF	R	2.6	ACi,IL
Kruger	K2816XF	RXF	R	2.8	ACi,IL
Mustang	29E224	E3	R	2.9	Treated
NuTech	27N03E	E3	R	2.7	Lum,Lu,IL
NuTech	27N06E	E3	R	2.7	Lum,Lu,IL
NuTech	29N02E	E3	R	2.9	Lum,Lu,IL
NuTech	29N04E	E3	R	2.9	Lum,Lu,IL
P3 Genetics	2326E	E3	R	2.6	PG+
Pioneer	P26T57E §	E3	R	2.6	Untreated
Pioneer	P28A65E §	E3	R	2.8	Untreated
Pioneer	P29A19E §	E3	MR	2.9	Untreated
Stine	27EG22 §	E3	R	2.7	ACi
Stine	28EG29 §	E3	R	2.8	ACi
Titan Pro	TP 29E23	E3	R	2.9	SA,A,R,TU
Xitavo	XO 2613E	E3	R	2.6	PV,IL,OB,Rey
Xitavo	XO 2832E	E3	R	2.8	PV,IL,OB,Rey
Xitavo	XO 2921E	E3	R	2.9	PV,IL,OB,Rey
Xitavo	XO 2963E	E3	R	2.9	PV,IL,OB,Rey
Zinesto	Z2604E	E3	R	2.6	DST5
Zinesto	Z2700E	E3	R	2.7	DST5
Zinesto	Z2902E	E3	NA	2.9	DST5

## Footnotes and Abbreviations Descriptions

### Brand Footnotes

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CK	Identifies a check product included in early- and full-season tests.
GC	Grower Comparison product included by FIRST when space permits.
§	United Soybean Board sponsored entry

### Soybean Cyst Nematode (SCN) Resistance Rating

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S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

### Soybeans Technologies

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E3	Enlist E3®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

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### Soybeans Seed Treatments\*

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NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ACi,SA	Acceleron® Standard Insecticide-Fungicide, Saltro®
CMB-APX,SA	CruiserMaxx® APX with Saltro®
DST5	Dominance 5 ST
EcQ,NF,NH,SA	Eclipse US Total Quad-R, N-Force, N-Hibit, Saltro
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Lum,Lu,Lud,IL	LumiGEN™, Luminesa, Lumiderm, ILeVO
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PG+	Profit Guard +
PU	Protect Ultra
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SA,A,R,TU	Saltro, AllegianceFL, Redigo480, TriUp
Treated	Treated, unspecified
Untreated	No seed treatment
W	Warden® CX

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\* Seed treatments may include unspecified plant health promoting components.