

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

## 2023 Soybeans Top 30 Harvest Report

Iowa Northwest [IANW] HARTLEY, IA  
Clint Van Beek, O'Brien County, IA 51346

<b>Early-Season Test</b>	Maturity Group <b>1.6 - 2.0</b> S2023IANW02a
<b>Top 30 of 30</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Resicore, Roundup Powermax
<b>SOIL DESCRIPTION:</b>	Galva silty clay loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, very high K, 6.7 pH, 5.1% OM, 22.3 CEC
<b>TILLAGE/CULTIVATION:</b>	No-Till
<b>PEST MANAGEMENT:</b>	2,4-D Amine, Authority Supreme, Liberty 280 SI, Roundup Powermax, Anthem Maxx, Clethodim 2e, Miravis Neo
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 22 144.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 7 128.6 /A

### TEST COMMENTS:

*This area experienced some wet weather during the first couple weeks of May which delayed soybean planting for many in O'Brien County. Once planted, emergence was quick and plant stands were excellent. Overall, the amount of moisture for the season through August was about as good as one could hope for. Just when it looked like the crop was going to start showing stress, a little rain would fall at just the right moment. Clint's field was still over 3" below the 10-yr average, but relative to many other parts of Iowa this part of NW Iowa fared well for precipitation. Plants at this farm typically grow very tall and lodging was significant among some varieties. White mold was also observed in this field and impacted some varieties more than others.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Hefty	H18E3 ↗	E3	1.8	R	<b>71.7</b>	11.5	4	130.0	903	1
Xitavo	XO 1632E ↗	E3	1.6	R	<b>71.7</b>	11.4	4	127.3	903	2
Asgrow	AG19XF3 § ↗	RXF	1.9	R	<b>71.6</b>	12.4	1	127.3	902	3
Xitavo	XO 1761E ↗	E3	1.7	R	<b>70.0</b>	11.2	1	130.0	882	4
Pioneer	P18A73E § ↗	E3	1.8	NA	68.2	11.1	17	127.3	859	5
Titan Pro	TP 18E22 GC ↗	E3	1.8	R	68.1	11.3	1	130.0	858	6
Zinesto	Z1902E ↗	E3	1.9	NA	67.2	11.0	1	124.7	847	7
FS HiSOY	HS 18F20 ↗	RXF	1.8	R	67.1	11.6	1	130.0	845	8
Asgrow	AG18XF1 § ↗	RXF	1.8	R	66.9	11.3	1	127.3	843	9
Golden Harvest	GH2004XF § ↗	RXF	2.0	MR	66.5	11.0	1	127.3	838	10
Xitavo	XO 1971E ↗	E3	1.9	R	65.7	11.1	6	132.3	828	11
Pioneer	P19A66E § ↗	E3	1.9	NA	65.3	11.1	13	127.3	823	12
Golden Harvest	GH2083E3S § ↗	E3,ST	2.0	R	65.2	11.2	1	130.0	822	13
FS HiSOY	HS 15F30 ↗	RXF	1.5	R	65.1	11.2	1	122.0	820	14
Xitavo	XO 1822E ↗	E3	1.8	R	64.7	11.2	14	130.0	815	15
Titan Pro	TP 20E22 GC ↗	E3	2.0	R	64.2	11.9	1	130.0	809	16
Zinesto	Z1603E ↗	E3	1.6	R	63.7	11.3	4	124.7	803	17
Cornelius	CB16XF21 GC ↗	RXF	1.6	R	63.5	11.0	17	130.0	800	18
Stine	20EG02 § ↗	E3	2.0	R	63.4	12.0	22	130.0	799	19
Stine	19EG92 § ↗	E3	1.9	R	63.3	11.2	1	130.0	798	20
FS HiSOY	HS 15E10 ↗	E3	1.5	R	63.1	11.1	1	127.3	795	21
FS HiSOY	HS 18E30 ↗	E3	1.8	R	60.2	11.1	1	130.0	759	22
Kruger	K1804XF ↗	RXF	1.8	R	59.3	11.3	6	125.0	747	23
Cornelius	CB18XF88 GC ↗	RXF	1.8	R	58.8	11.3	15	127.3	741	24
Hefty	H20E3 ↗	E3	2.0	R	57.7	11.4	9	132.3	727	26
Zinesto	Z1802E ↗	E3	1.8	NA	57.2	11.5	27	130.0	721	27
Zinesto	Z2002E ↗	E3	2.0	NA	54.5	12.2	37	130.0	687	28
Hefty	H16E4 ↗	E3	1.6	R	53.9	11.4	4	127.3	679	29
Kruger	K1914XF ↗	RXF	1.9	R	51.5	11.3	17	130.0	649	30
<b>CROPLAN</b>	<b>CP2520E CK</b>	<b>E3</b>	<b>2.5</b>	<b>R</b>	<b>58.5</b>	<b>11.8</b>	<b>28</b>	<b>130.0</b>	<b>737</b>	<b>25</b>

*Corey Rozenboom*

Corey Rozenboom

corey.rozenboom@firstseedtests.com, (319) 830-8886

Averages = **63.6** **11.4** **9** **128.6** **801**

LSD (0.10) = 5.3 ns ns

LSD (0.25) = 2.8 ns ns

C.V. = 7.8

Historic yield: 57.01 bu/a, 12 yr(s)

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

Report Date: 10/08/2023

Revised: 10/23/2023 Corrected the test maturity range, no data changes.

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 Northwest [IANW] HARTLEY, IA  
Clint Van Beek, O'Brien County, IA 51346

<b>Full-Season Test</b>	Maturity Group <b>2.1 - 2.5</b> S2023IANW02b
<b>Top 30 of 30</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Resicore, Roundup Powermax
<b>SOIL DESCRIPTION:</b>	Galva silty clay loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, very high K, 6.7 pH, 5.1% OM, 22.3 CEC
<b>TILLAGE/CULTIVATION:</b>	No-Till
<b>PEST MANAGEMENT:</b>	2,4-D Amine, Authority Supreme, Liberty 280 SI, Roundup Powermax, Anthem Maxx, Clethodim 2e, Miravis Neo
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 22 144.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 7 127.5 /A

### TEST COMMENTS:

*This area experienced some wet weather during the first couple weeks of May which delayed soybean planting for many in O'Brien County. Once planted, emergence was quick and plant stands were excellent. Overall, the amount of moisture for the season through August was about as good as one could hope for. Just when it looked like the crop was going to start showing stress, a little rain would fall at just the right moment. Clint's field was still over 3" below the 10-yr average, but relative to many other parts of Iowa this part of NW Iowa fared well for precipitation. Plants at this farm typically grow very tall and lodging was significant among some varieties. White mold was also observed in this field and impacted some varieties more than others.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Cornelius	CB22XF52 ↗	RXF	2.2	R	<b>75.6</b>	11.9	1	130.0	953	1
Golden Harvest	GH2544XF § ↗	RXF	2.5	R	<b>74.1</b>	11.8	1	127.3	934	2
Zinesto	Z2303E ↗	E3	2.3	R	<b>73.4</b>	11.1	9	125.0	925	3
Hoegemeyer	2574 E ↗	E3	2.5	R	<b>73.1</b>	11.7	1	127.3	921	4
Titan Pro	TP 25E22 ↗	E3	2.5	R	<b>72.9</b>	12.9	1	127.3	919	5
Xitavo	XO 2444E ↗	E3,ST	2.4	R	<b>72.7</b>	12.1	6	124.7	916	6
Pioneer	P21A53E § ↗	E3	2.1	NA	<b>71.8</b>	11.2	1	130.0	905	7
Zinesto	Z2101E ↗	E3	2.1	R	69.5	11.1	1	130.0	876	8
Golden Harvest	GH2292E3 § ↗	E3	2.2	MR	69.3	11.8	1	127.3	873	9
Xitavo	XO 2181E ↗	E3	2.1	R	69.3	11.2	22	127.3	873	10
Kruger	K2294XF ↗	RXF	2.2	R	68.8	11.3	1	130.0	867	11
Hoegemeyer	2254 E ↗	E3	2.2	R	68.5	11.4	1	127.3	863	12
Xitavo	XO 2282E ↗	E3	2.2	R	67.5	11.3	1	127.3	850	13
Genesis	G2550E ↗	E3	2.5	R	66.4	12.0	2	124.7	837	14
Xitavo	XO 2323E ↗	E3	2.3	R	66.3	12.6	9	127.3	835	15
Stine	21EG32 § ↗	E3	2.1	R	66.0	11.3	1	127.3	832	16
Asgrow	AG21XF2 § ↗	RXF	2.1	R	65.8	11.6	1	127.3	829	17
Zinesto	Z2401E ↗	E3	2.4	R	65.5	11.8	4	125.0	825	18
Zinesto	Z2202E ↗	E3	2.2	NA	64.4	11.2	1	130.0	811	19
Genesis	G2570ES ↗	E3,ST	2.5	R	64.1	11.5	1	127.3	808	20
Asgrow	AG25XF3 § ↗	RXF	2.5	R	64.0	11.9	1	130.0	806	21
FS HiSOY	HS 24E30 ↗	E3	2.4	R	63.9	11.9	1	127.3	805	22
Genesis	G2480E ↗	E3	2.4	R	63.8	11.4	1	130.0	804	23
FS HiSOY	HS 23F10 ↗	RXF	2.3	R	63.0	11.4	1	124.7	794	24
FS HiSOY	HS 23E10 ↗	E3,ST	2.3	R	62.0	11.5	1	130.0	781	25
Titan Pro	TP 22E23 ↗	E3	2.2	R	61.6	11.3	1	130.0	776	26
Kruger	K2115XF ↗	RXF	2.1	R	60.5	11.4	23	127.3	762	27
FS HiSOY	HS 25E30 ↗	E3	2.5	R	60.2	11.8	1	124.7	759	28
Stine	24FD32 § ↗	RXF	2.4	R	55.1	11.4	1	127.3	694	30
<b>CROPLAN</b>	<b>CP2520E CK</b>	<b>E3</b>	<b>2.5</b>	<b>R</b>	<b>58.2</b>	<b>11.2</b>	<b>1</b>	<b>124.7</b>	<b>733</b>	<b>29</b>

*Corey Rozenboom*

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Averages = **66.6** **11.6** **3** **127.5** **839**

LSD (0.10) = 4.8 ns ns

LSD (0.25) = 2.5 ns ns

C.V. = 6.8

Historic yield: 57.01 bu/a, 12 yr(s)

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

Report Date: 10/08/2023

Revised: 10/23/2023 Corrected the test maturity range, no data changes.

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)

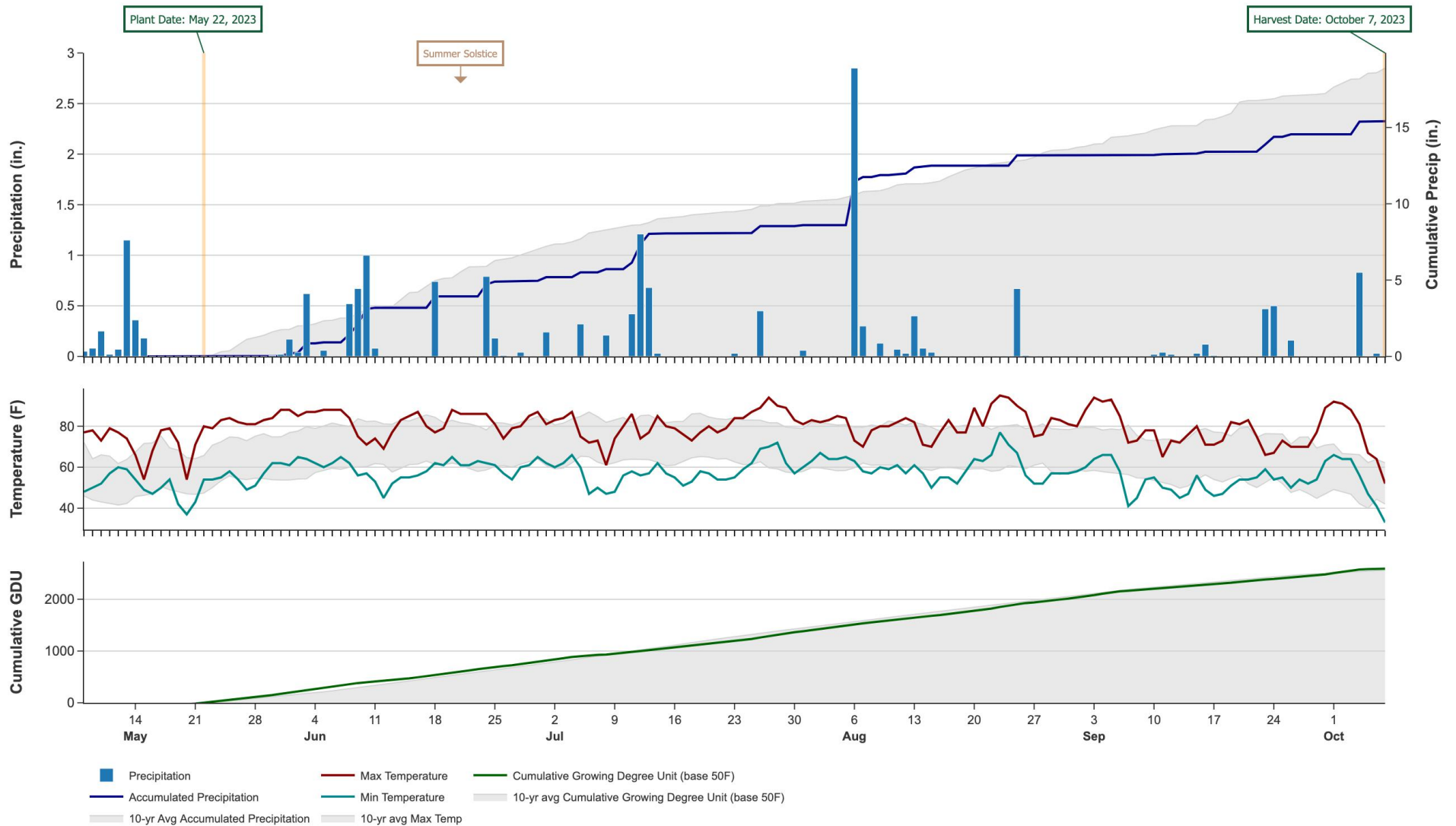
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# 2023 Soybeans - Iowa Northwest [ IANW ]

## Weather Conditions Summary at HARTLEY, IA

Weather Data Retrieved: 10/23/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   (Diff)	2.2   3.8 (-1.6)	4.9   5.3 (-0.3)	3.6   3.1 (+0.5)	4.6   3.4 (+1.2)	1.4   3.7 (-2.3)	0.9   1.7 (-0.8)	17.6   20.9 (-3.4)
GDU   Avg (Diff)	356   256 (+99)	621   620 (0)	589   698 (-109)	630   616 (+13)	466   445 (+20)	110   54 (+55)	2772   2691 (+80)



\* 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 Northwest [ IANW ]

### Early-Season Test Products (30 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG18XF1 §	RXF	R	1.8	ACi,IL
Asgrow	AG19XF3 §	RXF	R	1.9	ACi,IL
Cornelius	CB16XF21 GC	RXF	R	1.6	PG+
Cornelius	CB18XF88 GC	RXF	R	1.8	PG+
Croplan	CP2520E CK	E3	R	2.5	W
FS HiSOY	HS 15E10	E3	R	1.5	ACi,SA
FS HiSOY	HS 15F30	RXF	R	1.5	ACi,SA
FS HiSOY	HS 18E30	E3	R	1.8	ACi,SA
FS HiSOY	HS 18F20	RXF	R	1.8	ACi,SA
Golden Harvest	GH2004XF §	RXF	MR	2.0	CMB-APX,SA
Golden Harvest	GH2083E3S §	E3,ST	R	2.0	CMB-APX,SA
Hefty	H16E4	E3	R	1.6	DST5
Hefty	H18E3	E3	R	1.8	DST5
Hefty	H20E3	E3	R	2.0	DST5
Kruger	K1804XF	RXF	R	1.8	ACi,IL
Kruger	K1914XF	RXF	R	1.9	ACi,IL
Pioneer	P18A73E §	E3	NA	1.8	Untreated
Pioneer	P19A66E §	E3	NA	1.9	Untreated
Stine	19EG92 §	E3	R	1.9	ACi
Stine	20EG02 §	E3	R	2.0	ACi
Titan Pro	TP 18E22 GC	E3	R	1.8	Untreated
Titan Pro	TP 20E22 GC	E3	R	2.0	SA,A,R,TU
Xitavo	XO 1632E	E3	R	1.6	PV,IL,OB,Rey
Xitavo	XO 1761E	E3	R	1.7	PV,IL,OB,Rey
Xitavo	XO 1822E	E3	R	1.8	PV,IL,OB,Rey
Xitavo	XO 1971E	E3	R	1.9	PV,IL,OB,Rey
Zinesto	Z1603E	E3	R	1.6	DST5
Zinesto	Z1802E	E3	NA	1.8	DST5
Zinesto	Z1902E	E3	NA	1.9	DST5
Zinesto	Z2002E	E3	NA	2.0	DST5

## 2023 Soybeans - Iowa Northwest [ IANW ]

### Full-Season Test Products (30 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG21XF2 §	RXF	R	2.1	ACi,IL
Asgrow	AG25XF3 §	RXF	R	2.5	ACi,IL
Cornelius	CB22XF52	RXF	R	2.2	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
Genesis	G2570ES	E3,ST	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	2254 E	E3	R	2.2	Lum, LumT, IL
Hoegemeyer	2574 E	E3	R	2.5	Lum,Lu,IL
Kruger	K2115XF	RXF	R	2.1	ACi,IL
Kruger	K2294XF	RXF	R	2.2	ACi,IL
Pioneer	P21A53E §	E3	NA	2.1	Untreated
Stine	21EG32 §	E3	R	2.1	ACi
Stine	24FD32 §	RXF	R	2.4	ACi
Titan Pro	TP 22E23	E3	R	2.2	SA,A,R,TU
Titan Pro	TP 25E22	E3	R	2.5	SA,A,R,TU
Xitavo	XO 2181E	E3	R	2.1	PV,IL,OB,Rey
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
Zinesto	Z2101E	E3	R	2.1	DST5
Zinesto	Z2202E	E3	NA	2.2	DST5
Zinesto	Z2303E	E3	R	2.3	DST5
Zinesto	Z2401E	E3	R	2.4	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, LumT, IL	LumiGEN™, LumiTreo, ILEVO
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PG+	Profit Guard +
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SA,A,R,TU	Saltro, AllegianceFL, Redigo480, TriUp
Untreated	No seed treatment
W	Warden® CX

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