

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

## 2023 Soybeans Top 30 Harvest Report

Iowa North Central [IANC] MOORLAND, IA  
Jeff Loehr, Webster County, IA 50566

<b>Early-Season Test</b>	Maturity Group <b>2.1 - 2.5</b> S2023IANC02a
<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Anthem Maxx, Atrazine, Solstice
<b>SOIL DESCRIPTION:</b>	Nicollet clay loam, moderately drained, non-irrigated
<b>SOIL CONDITION:</b>	medium P, low K, 6.1 pH, 5.4% OM, 31.4 CEC
<b>TILLAGE/CULTIVATION:</b>	Minimum W/ Fall Till
<b>PEST MANAGEMENT:</b>	Authority Edge, Mauler, Clethodim 2 Ec, Lucento, Hero
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 11 144.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 9 128.9 /A

### TEST COMMENTS:

Rainfall on Jeff's farm was pretty regular from planting through mid-August. The plants flowered well and were protected with a fungicide and insecticide application. From mid-August through the remainder of the season, dry conditions returned as precipitation all but stopped except for a few showers during early September. Pod clusters formed close to the ground but harvested well. The farm ended up 4.7" of precipitation below the 10-yr average but yielded nearly 9 bu/a higher than the 10-yr average for this farm.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	GH2544XF § ↗	RXF	2.5	R	<b>73.5</b>	11.9	2	127.3	926	1
Hoegemeyer	2484 E ↗	E3	2.4	R	<b>71.0</b>	12.1	2	127.3	895	2
NuTech	24N05E ↗	E3	2.4	R	<b>69.9</b>	12.3	2	130.0	881	3
Zinesto	Z2404E ↗	E3	2.4	R	<b>69.8</b>	11.9	2	130.0	879	4
FS HiSOY	HS 25E30 ↗	E3	2.5	R	<b>69.2</b>	11.9	10	132.3	872	5
Hoegemeyer	2194 E ↗	E3	2.1	R	<b>68.3</b>	12.0	1	127.3	861	6
Apex	AE2440 ↗	E3	2.4	R	<b>68.3</b>	12.1	2	130.0	861	7
Golden Harvest	GH2292E3 § ↗	E3	2.2	MR	67.8	12.0	1	132.3	854	8
Stine	24FD32 § ↗	RXF	2.4	R	67.7	12.3	3	130.0	853	9
P3 Genetics	2424E ↗	E3	2.4	R	67.5	12.2	1	129.7	850	10
Zinesto	Z2303E ↗	E3	2.3	R	67.4	12.5	2	127.3	849	11
Asgrow	AG21XF2 § ↗	RXF	2.1	R	67.4	12.0	1	130.0	849	12
Titan Pro	TP 25E22 ↗	E3	2.5	R	67.1	12.1	7	130.0	845	13
P3 Genetics	2322E ↗	E3	2.2	R	67.0	12.1	1	130.0	844	14
Cornelius	CB25XF99 ↗	RXF	2.5	R	66.8	12.2	2	127.3	842	15
Cornelius	CB23XF63 ↗	RXF	2.3	R	66.0	12.3	3	124.7	832	16
Genesis	G2480E ↗	E3	2.4	R	65.8	12.0	2	130.0	829	17
Xitavo	XO 2282E ↗	E3	2.2	R	65.4	11.9	1	130.0	824	18
P3 Genetics	2325E ↗	E3	2.5	R	65.4	11.9	1	130.0	824	19
FS HiSOY	HS 23F10 ↗	RXF	2.3	R	65.0	12.2	5	130.0	819	20
P3 Genetics	2421E ↗	E3	2.1	R	64.1	12.6	1	130.0	808	22
Stine	21EG32 § ↗	E3	2.1	R	63.9	12.5	1	132.3	805	23
FS HiSOY	HS 23E10 ↗	E3,ST	2.3	R	63.0	12.3	6	132.3	794	24
Genesis	G2550E ↗	E3	2.5	R	62.6	12.1	1	130.0	789	25
Zinesto	Z2101E ↗	E3	2.1	R	62.3	12.0	1	127.3	785	26
NuTech	22N03E ↗	E3	2.2	R	62.0	12.0	2	119.7	781	27
Kruger	K2115XF ↗	RXF	2.1	R	61.4	12.3	1	130.0	774	28
Xitavo	XO 2444E ↗	E3,ST	2.4	R	60.9	11.7	6	124.7	767	29
Asgrow	AG25XF3 § ↗	RXF	2.5	R	60.9	11.8	1	127.3	767	30
NuTech	25N04E ↗	E3	2.5	R	60.9	11.4	2	130.0	767	31
<b>CROPLAN</b>	<b>CP2520E CK</b>	<b>E3</b>	<b>2.5</b>	<b>R</b>	<b>64.2</b>	<b>12.0</b>	<b>5</b>	<b>124.7</b>	<b>809</b>	<b>21</b>
					Averages =	<b>65.0</b>	<b>12.1</b>	<b>2</b>	<b>128.9</b>	<b>818</b>
					LSD (0.10) =	3.1	0.3	2		
					LSD (0.25) =	1.6	0.2	1		
					C.V. =	4.5	Historic yield: 54.16 bu/a, 11 yr(s)			

*Corey Rozenboom*

Corey Rozenboom

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### Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.0

Drying = \$0.02

Prices: GMO = \$12.60

Report Date: 10/09/2023

† 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

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## 2023 Soybeans Top 30 Harvest Report

Iowa North Central [IANC] MOORLAND, IA  
Jeff Loehr, Webster County, IA 50566

<b>Full-Season Test</b>	Maturity Group <b>2.6 - 2.9</b> S2023IANC02b
<b>Top 30 of 34</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Anthem Maxx, Atrazine, Solstice
<b>SOIL DESCRIPTION:</b>	Nicollet clay loam, moderately drained, non-irrigated
<b>SOIL CONDITION:</b>	medium P, low K, 6.1 pH, 5.4% OM, 31.4 CEC
<b>TILLAGE/CULTIVATION:</b>	Minimum W/ Fall Till
<b>PEST MANAGEMENT:</b>	Authority Edge, Mauler, Clethodim 2 Ec, Lucento, Hero
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 11 144.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 9 128.0 /A

### TEST COMMENTS:

Rainfall on Jeff's farm was pretty regular from planting through mid-August. The plants flowered well and were protected with a fungicide and insecticide application. From mid-August through the remainder of the season, dry conditions returned as precipitation all but stopped except for a few showers during early September. Pod clusters formed close to the ground but harvested well. The farm ended up 4.7" of precipitation below the 10-yr average but yielded nearly 9 bu/a higher than the 10-yr average for this farm.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	27N03E ↗	E3	2.7	R	<b>70.0</b>	11.9	5	130.0	882	1
Stine	28EG29 § ↗	E3	2.8	R	<b>70.0</b>	12.4	3	130.0	882	2
Golden Harvest	GH2674E3 § ↗	E3	2.6	MR	<b>66.1</b>	12.4	7	127.3	833	3
Pioneer	P26T57E § ↗	E3	2.6	R	<b>65.6</b>	12.3	2	124.7	827	4
NuTech	29N04E ↗	E3	2.9	R	<b>65.3</b>	12.0	1	124.7	823	5
FS HiSOY	HS 26E20 ↗	E3	2.6	R	64.8	12.2	2	130.0	816	6
Stine	27EG22 § ↗	E3	2.7	R	64.7	12.4	2	127.3	815	7
Xitavo	XO 2963E ↗	E3	2.9	R	62.8	12.6	2	127.3	791	9
Hoegemeyer	2724 E GC ↗	E3	2.7	R	62.7	11.7	3	130.0	790	10
FS HiSOY	HS 28E10 ↗	E3	2.8	R	62.6	12.1	3	132.3	789	11
Asgrow	AG27XF3 § ↗	RXF	2.7	R	61.9	11.8	6	127.3	780	12
FS HiSOY	HS 27E30 ↗	E3	2.7	R	61.7	12.0	1	130.0	777	13
Pioneer	P28A65E § ↗	E3	2.8	R	61.7	10.8	3	133.5	777	14
P3 Genetics	2326E ↗	E3	2.6	R	61.6	12.2	5	127.3	776	15
Zinesto	Z2604E ↗	E3	2.6	R	61.6	11.8	2	127.3	776	16
Kruger	K2604XF ↗	RXF	2.6	R	61.4	12.0	4	129.7	774	17
Genesis	G2780E ↗	E3	2.7	R	61.1	12.2	1	130.0	770	18
Xitavo	XO 2613E ↗	E3	2.6	R	60.9	12.5	1	130.0	767	19
Asgrow	AG28XF3 § ↗	RXF	2.8	R	60.6	11.3	5	127.0	764	20
NuTech	29N02E ↗	E3	2.9	R	60.3	11.6	5	127.3	760	21
Cornelius	CB27XF72 ↗	RXF	2.7	R	60.1	11.7	2	130.0	757	22
Xitavo	XO 2832E ↗	E3	2.8	R	60.0	12.2	1	125.0	756	23
Pioneer	P29A19E § ↗	E3	2.9	MR	59.9	11.6	9	124.7	755	24
Zinesto	Z2902E ↗	E3	2.9	NA	59.8	12.5	5	124.7	753	25
Titan Pro	TP 29E23 ↗	E3	2.9	R	59.4	11.9	2	132.3	748	26
FS HiSOY	HS 28F30 ↗	RXF	2.8	R	59.4	12.3	1	127.3	748	27
Zinesto	Z2700E ↗	E3	2.7	R	58.9	12.0	5	124.7	742	28
NuTech	27N06E ↗	E3	2.7	R	58.5	11.8	1	127.3	737	29
Golden Harvest	GH2814E3S § ↗	E3,ST	2.8	MR	57.7	12.2	2	127.3	727	30
Mustang	29E224 ↗	E3	2.9	R	57.4	11.9	6	127.3	723	31
<b>CROPLAN</b>	<b>CP2520E CK</b>	<b>E3</b>	<b>2.5</b>	<b>R</b>	<b>64.7</b>	<b>12.0</b>	<b>4</b>	<b>122.0</b>	<b>815</b>	<b>8</b>

*Corey Rozenboom*

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Averages = **61.5** **12.0** **3** **128.0** **775**

LSD (0.10) = 3.5 0.4 3

LSD (0.25) = 1.8 0.2 2

C.V. = 5.4

Historic yield: 54.16 bu/a, 11 yr(s)

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

Report Date: 10/09/2023

† 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

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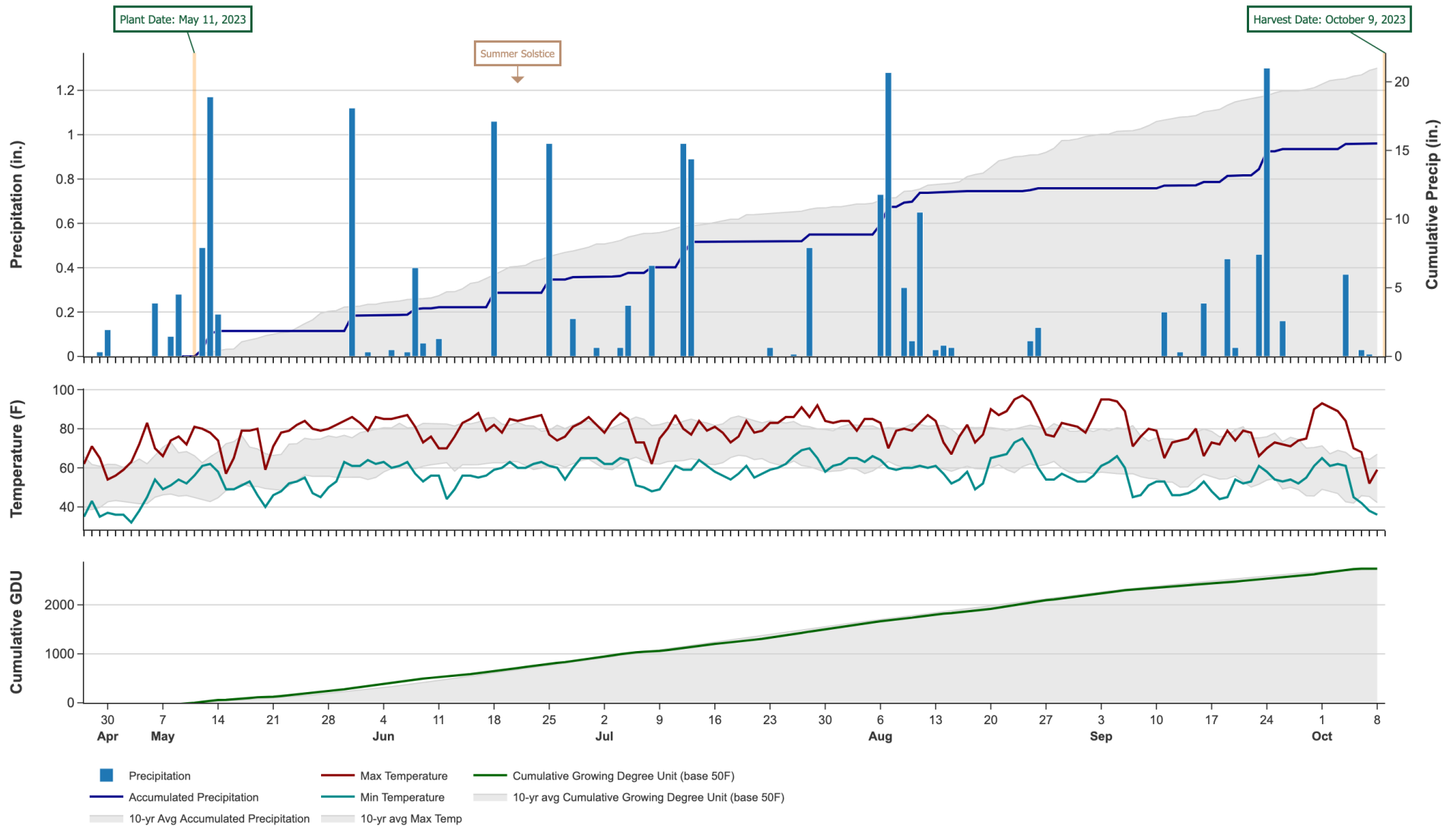
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# 2023 Soybeans - Iowa North Central [ IANC ]

## Weather Conditions Summary at MOORLAND, IA

Weather Data Retrieved: 10/09/2023

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   (Diff)	0.1   0.4 (-0.2)	3.6   5.6 (-2.0)	2.8   4.3 (-1.5)	3.1   3.0 (+0.2)	3.4   4.9 (-1.6)	2.9   3.7 (-0.9)	0.4   1.4 (-1.0)	16.3   23.4 (-7.1)
GDU   Avg (Diff)	18   25 (-7)	405   325 (+79)	602   635 (-33)	621   703 (-82)	644   630 (+13)	458   457 (0)	114   68 (+45)	2862   2845 (+16)



\* 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.