

Test by: Southern MN FIRST New Richland, MN

## 2022 Soybeans Top 30 Harvest Report

Minnesota South [MNSO] LAMBERTON, MN  
Ed Iverson, Redwood County, MN 56152

<b>Early-Season Test</b>	Maturity Group 1.6 - 1.9 S2022MNSO01a
<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Force, Ironclad, Cavallo, Aatrex, Aquila XI
<b>SOIL DESCRIPTION:</b>	Pell Creek-Romnell Complex loam, mod. well drained, non- irrigated
<b>SOIL CONDITION:</b>	medium P, low K, 5.7 pH, 4.0% OM, 26.1 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Prowl With Ester, Battlestar
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEDED - RATE - ROW:</b>	Jun 9 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 14 125.4 /A

### TEST COMMENTS:

Spring weather was cold and wet. This site got pounded with 3" of rain on July 5, then it turned quite dry until early fall. Plant height at harvest was shorter here than at other sites - low rainfall kept plants shorter. The field around this plot averaged in the upper 40's, while other fields averaged in the mid-50's, up to the mid-60's. One small rainfall at the right time produced 10-15 bu/ac more in some of Ed's fields.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Loyal	L1740E ↗	E3	1.7	R	<b>56.2</b>	8.1	0	124.7	789	1
Zinesto	Z1702E ↗	E3	1.7	NA	<b>54.6</b>	8.3	0	125.3	767	2
Dyna-Gro	S16EN42 ↗	E3	1.6	R	<b>52.8</b>	8.0	0	126.7	741	3
Gold Country	1841XF ↗	RXF	1.8	R	<b>52.6</b>	8.2	0	127.0	739	4
Stine	17EE32 § ↗	E3	1.7	R	<b>52.4</b>	8.3	0	125.7	736	5
Xitavo	XO 1822E ↗	E3	1.8	R	52.3	8.2	0	126.3	734	6
Dyna-Gro	S19XF62 ↗	RXF	1.9	R	50.8	8.3	0	125.7	713	7
Asgrow	AG19XF3 § ↗	RXF	1.9	R	50.5	8.1	0	126.7	709	8
Asgrow	AG18XF1 § ↗	RXF	1.8	R	50.1	8.1	0	125.0	703	9
Latham	L 1784 XF ↗	RXF	1.7	R	49.9	8.2	0	125.3	701	10
Loyal	L1950E ↗	E3	1.9	R	49.9	8.3	0	126.0	701	11
Zinesto	Z1802E ↗	E3	1.8	NA	49.7	8.1	0	126.7	698	12
Genesis	G1970E ↗	E3	1.9	R	49.4	8.3	0	125.7	694	13
Loyal	L1540E ↗	E3	1.5	R	49.2	8.2	0	124.7	691	15
Latham	L 1947 E3 ↗	E3	1.9	R	49.1	9.1	0	125.0	689	16
Stine	15EE32 § ↗	E3	1.5	R	49.0	8.2	0	126.0	688	17
Zinesto	Z1603E ↗	E3	1.6	R	48.8	8.1	0	126.0	685	18
Golden Harvest	GH1802E3 § ↗	E3	1.8	R	48.6	8.2	0	125.3	682	19
Dairyland	DSR-1919E ↗	E3	1.9	R	48.5	8.3	0	126.3	681	20
Latham	L 1758 E3 ↗	E3	1.7	R	48.3	8.1	0	126.0	678	21
Zinesto	Z1902E ↗	E3	1.9	NA	48.2	8.2	0	124.3	677	22
NuTech	19N03E ↗	E3	1.9	R	48.1	8.2	0	125.7	675	23
Titan Pro	TP 18E22 ↗	E3	1.8	R	47.9	8.2	0	125.3	673	24
Golden Harvest	GH1762XF § ↗	RXF	1.7	MR	47.5	8.2	0	126.3	667	25
Genesis	G1950E ↗	E3	1.9	R	47.4	7.9	0	125.0	665	26
Anderson	A1821XF ↗	RXF	1.8	NA	47.4	8.1	0	123.7	665	27
Xitavo	XO 1761E ↗	E3	1.7	R	47.1	8.0	0	125.0	661	28
Xitavo	XO 1632E ↗	E3	1.6	R	46.9	8.1	0	126.0	658	29
Gold Country	1942XF ↗	RXF	1.9	R	46.9	8.1	0	126.7	658	30
Xitavo	XO 1971E ↗	E3	1.9	R	46.7	8.2	0	125.3	656	31
<b>DYNA-GRO</b>	<b>S18EN52 CK</b>	<b>E3</b>	<b>1.8</b>	<b>MR</b>	<b>49.2</b>	<b>8.2</b>	<b>0</b>	<b>125.7</b>	<b>691</b>	<b>14</b>

*Mark Querna*

Mark Querna

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Averages = **48.8** **8.2** **125.4** **685**

LSD (0.10) = 3.6 ns ns

LSD (0.25) = 1.9 ns ns

C.V. = 7.1

Historic yield: 58.58 bu/a, 2 yr(s)

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$14.04; non-GMO = \$16.64

Report Date: 10/16/2022

† 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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## 2022 Soybeans Top 30 Harvest Report

Minnesota South [MNSO] LAMBERTON, MN  
Ed Iverson, Redwood County, MN 56152

<b>Full-Season Test</b>	Maturity Group <b>2.0 - 2.3</b> S2022MNSO01b
<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Force, Ironclad, Cavallo, Aatrex, Aquila XI
<b>SOIL DESCRIPTION:</b>	Pell Creek-Romnell Complex loam, mod. well drained, non- irrigated
<b>SOIL CONDITION:</b>	medium P, low K, 5.7 pH, 4.0% OM, 26.1 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Prowl With Ester, Battlestar
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEDED - RATE - ROW:</b>	Jun 9 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 14 126.3 /A

### TEST COMMENTS:

Spring weather was cold and wet. This site got pounded with 3" of rain on July 5, then it turned quite dry until early fall. Plant height at harvest was shorter here than at other sites - low rainfall kept plants shorter. The field around this plot averaged in the upper 40's, while other fields averaged in the mid-50's, up to the mid-60's. One small rainfall at the right time produced 10-15 bu/ac more in some of Ed's fields.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Anderson	A2121XF ↗	RXF	2.0	NA	<b>53.3</b>	8.3	0	127.0	748	1
Asgrow	AG21XF2 § ↗	RXF	2.1	R	<b>52.6</b>	8.3	0	127.0	739	2
Stine	23EE06 § ↗	E3	2.3	S	<b>52.1</b>	8.5	0	126.5	730	3
Dyna-Gro	S20EN92 ↗	E3	2.0	MR	<b>51.8</b>	8.2	0	126.3	727	4
Pioneer	P21A53E § ↗	E3	2.1	NA	<b>51.5</b>	8.1	0	127.7	723	5
Zinesto	Z2101E ↗	E3	2.1	R	<b>51.5</b>	8.3	0	125.3	723	6
Golden Harvest	GH2292E3 § ↗	E3	2.2	MR	<b>50.5</b>	8.2	0	125.0	709	7
Dairyland	DSR-2188E ↗	E3	2.1	R	49.5	8.6	0	124.7	695	8
Zinesto	Z2002E ↗	E3	2.0	NA	49.0	8.4	0	124.7	688	9
Loyal	L2250E ↗	E3	2.2	R	48.7	8.4	0	126.7	684	10
Latham	L 2049 E3 ↗	E3	2.0	R	48.7	8.4	0	126.7	684	11
Dyna-Gro	S21XF61 ↗	RXF	2.1	R	48.4	8.7	0	128.0	680	12
Genesis	G2150E ↗	E3	2.1	R	48.4	8.4	0	125.3	680	13
NuTech	21N07E ↗	E3	2.1	R	48.4	8.5	0	127.0	680	14
Latham	L 2193 E3 ↗	E3	2.1	R	48.1	8.3	0	126.0	675	15
Latham	L 2283 XF ↗	RXF	2.2	R	47.9	8.7	0	126.0	673	16
Mustang	20E723 ↗	E3	2.0	R	47.7	8.4	0	126.3	670	17
Dairyland	DSR-2030E ↗	E3	2.0	R	47.4	8.3	0	126.0	665	18
Pioneer	P20T64E § ↗	E3	2.0	R	47.0	8.3	0	126.3	660	19
Gold Country	2250XF ↗	RXF	2.2	R	47.0	8.7	0	125.0	660	20
Golden Harvest	GH2083E3S § ↗	E3,ST	2.0	R	46.4	8.2	0	126.3	651	21
Zinesto	Z2303E ↗	E3	2.3	R	46.2	8.2	0	126.7	649	22
Dairyland	DSR-2040E ↗	E3	2.0	R	45.8	8.3	0	126.3	643	23
Titan Pro	TP 20E22 ↗	E3	2.0	R	45.3	8.4	0	126.3	636	24
Stine	22EF23 § ↗	E3	2.2	R	45.2	8.3	0	125.3	635	25
Loyal	L2350E ↗	E3	2.3	R	45.1	8.4	0	126.7	633	26
Xitavo	XO 2323E ↗	E3	2.3	R	44.7	8.4	0	125.7	628	27
Genesis	G2270E ↗	E3	2.2	R	44.4	8.3	0	125.7	623	28
Xitavo	XO 2181E ↗	E3	2.1	R	43.4	8.4	0	125.3	609	29
Zinesto	Z2101G ↗	LLGT27	2.1	R	42.9	8.3	0	127.0	602	31
<b>DYNA-GRO</b>	<b>S18EN52 CK</b>	<b>E3</b>	<b>1.8</b>	<b>MR</b>	<b>43.4</b>	<b>8.3</b>	<b>0</b>	<b>128.0</b>	<b>609</b>	<b>30</b>

*Mark Querna*

Mark Querna

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Averages = **46.9** **8.4** **126.3** **659**

LSD (0.10) = 3.6 0.2 ns

LSD (0.25) = 1.9 0.1 ns

C.V. = 7.3

Historic yield: 58.58 bu/a, 2 yr(s)

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$14.04; non-GMO = \$16.64

Report Date: 10/16/2022

† 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

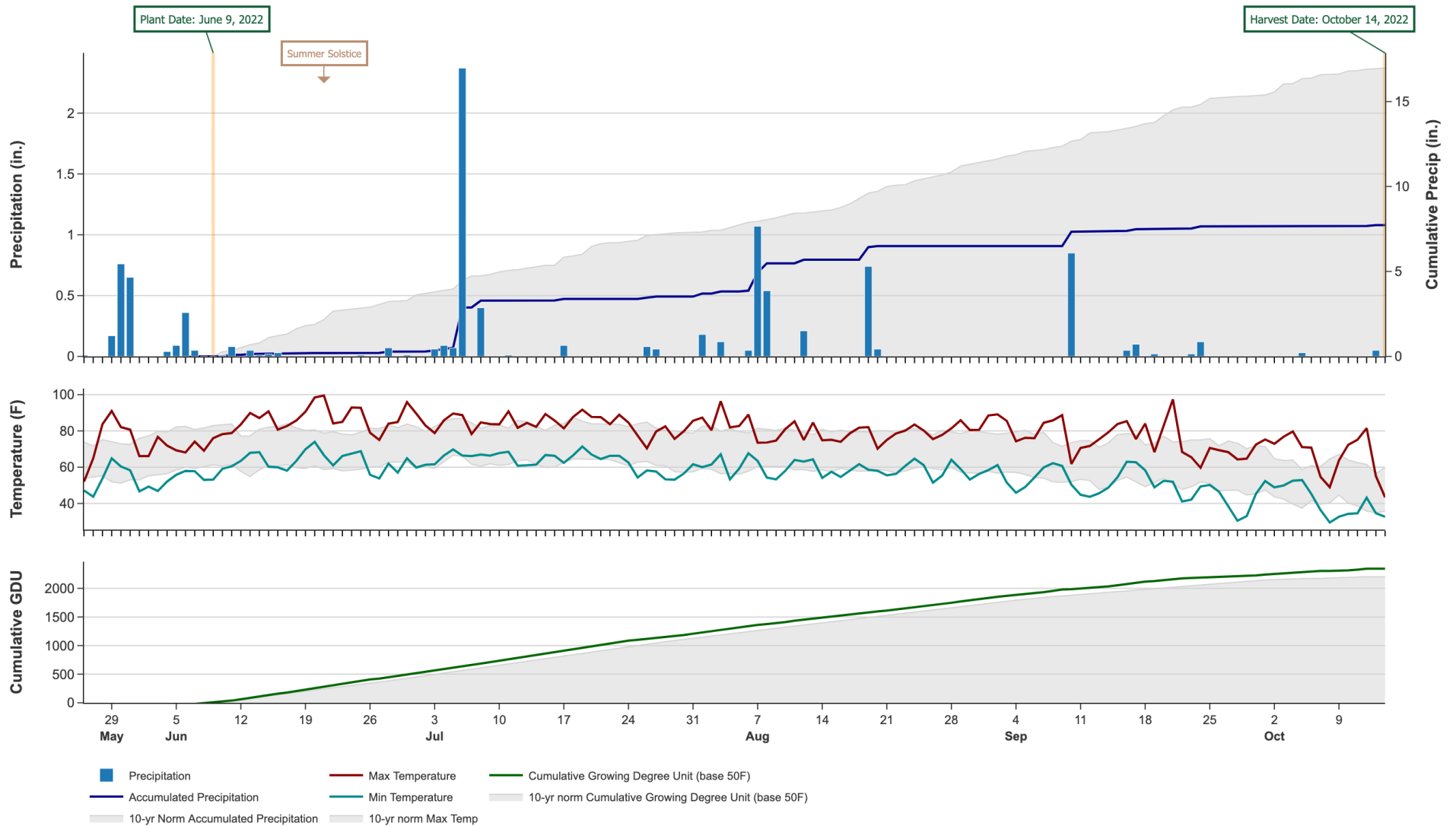
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# 2022 Soybeans - Minnesota South [ MNSO ]

## Weather Conditions Summary at LAMBERTON, MN

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	1.6   1.3 (+0.3)	0.8   4.1 (-3.2)	3.2   4.0 (-0.8)	3.0   4.1 (-1.1)	1.2   3.9 (-2.8)	0.1   1.6 (-1.6)	9.9   19.0 (-9.2)
GDU   Normal (Diff)	92   80 (+11)	601   599 (+1)	716   695 (+20)	598   596 (+1)	421   415 (+5)	117   66 (+50)	2545   2454 (+90)



\* 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.

## 2022 Soybeans - Minnesota South [ MNSO ]

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

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Anderson	A1821XF	RXF	NA	1.8	Untreated
Asgrow	AG18XF1 §	RXF	R	1.8	ACi,IL
Asgrow	AG19XF3 §	RXF	R	1.9	ACi,IL
Dairyland	DSR-1673E	E3	R	1.6	Lum,Lu,IL
Dairyland	DSR-1820E	E3	R	1.8	Lum,Lu,IL
Dairyland	DSR-1919E	E3	R	1.9	Lum,Lu,IL
Dyna-Gro	S16EN42	E3	R	1.6	EQV,Sa,Va
Dyna-Gro	S18EN52 CK	E3	MR	1.8	EQV,Sa,Va
Dyna-Gro	S19XF62	RXF	R	1.9	EQV,Sa,Va
Genesis	G1950E	E3	R	1.9	EcTC,SA
Genesis	G1970E	E3	R	1.9	EcTC,SA
Gold Country	1841XF	RXF	R	1.8	ACi,IL
Gold Country	1942XF	RXF	R	1.9	ACi,IL
Golden Harvest	GH1762XF §	RXF	MR	1.7	CMBV,SA
Golden Harvest	GH1802E3 §	E3	R	1.8	CMBV,SA
Latham	L 1648 LLGT27	LLGT27	R	1.6	SS+,SA
Latham	L 1758 E3	E3	R	1.7	SS+,SA
Latham	L 1784 XF	RXF	R	1.7	SS+,SA
Latham	L 1947 E3	E3	R	1.9	SS+,SA
Loyal	L1540E	E3	R	1.5	NLSB
Loyal	L1740E	E3	R	1.7	NLSB
Loyal	L1950E	E3	R	1.9	NLSB
NuTech	16N04E	E3	R	1.6	Lum,Lu,IL
NuTech	19N03E	E3	R	1.9	Lum,Lu,IL
Pioneer	P18A73E §	E3	NA	1.8	Untreated
Stine	15EE32 §	E3	R	1.5	SFI
Stine	17EE32 §	E3	R	1.7	SFI
Titan Pro	TP 18E22	E3	R	1.8	SA,A,R,G
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	DST4
Zinesto	Z1702E	E3	NA	1.7	DST4
Zinesto	Z1802E	E3	NA	1.8	DST4
Zinesto	Z1902E	E3	NA	1.9	DST4

## 2022 Soybeans - Minnesota South [ MNSO ]

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

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Anderson	A2121XF	RXF	NA	2.0	Untreated
Asgrow	AG21XF2 §	RXF	R	2.1	ACi,IL
Asgrow	AG22XF3 §	RXF	R	2.2	ACi,IL
Dairyland	DSR-2030E	E3	R	2.0	Lum,Lu,IL
Dairyland	DSR-2040E	E3	R	2.0	Lum,Lu,IL
Dairyland	DSR-2188E	E3	R	2.1	Lum,Lu,IL
Dyna-Gro	S18EN52 CK	E3	MR	1.8	EQV,Sa,Va
Dyna-Gro	S20EN92	E3	MR	2.0	EQV,Sa,Va
Dyna-Gro	S21XF61	RXF	R	2.1	EQV,Sa,Va
Genesis	G2150E	E3	R	2.1	EcTC,SA
Genesis	G2270E	E3	R	2.2	EcTC,SA
Gold Country	2250XF	RXF	R	2.2	ACi,IL
Golden Harvest	GH2083E3S §	E3,ST	R	2.0	CMBV,SA
Golden Harvest	GH2292E3 §	E3	MR	2.2	CMBV,SA
Latham	L 2049 E3	E3	R	2.0	SS+,SA
Latham	L 2193 E3	E3	R	2.1	SS+,SA
Latham	L 2283 XF	RXF	R	2.2	SS+,SA
Latham	L 2379 E3	E3	R	2.3	SS+,SA
Loyal	L2250E	E3	R	2.2	NLSB
Loyal	L2350E	E3	R	2.3	NLSB
Mustang	20E723	E3	R	2.0	Treated
Mustang	22E823	E3	R	2.2	Treated
NuTech	21N07E	E3	R	2.1	Lum,Lu,IL
Pioneer	P20T64E §	E3	R	2.0	Lum,Lu,IL
Pioneer	P21A53E §	E3	NA	2.1	Lum,Lu,IL
Pioneer	P21T72E §	E3	R	2.1	Untreated
Stine	22EF23 §	E3	R	2.2	SFI
Stine	23EE06 §	E3	S	2.3	SFI
Titan Pro	TP 20E22	E3	R	2.0	SA,A,R,G
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
Zinesto	Z2002E	E3	NA	2.0	DST4
Zinesto	Z2101E	E3	R	2.1	DST4
Zinesto	Z2101G	LLGT27	R	2.1	DST4
Zinesto	Z2303E	E3	R	2.3	DST4

## 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
LLGT27	LibertyLink® GT27®
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

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### Soybeans Seed Treatments\*

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NA	Not Available
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
CMBV,SA	Cruisermass® Beans, Vibrance®, Salstro®
DST4	Dominance 4 ST
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Salstro®
EQV,Sa,Va	Equity VIP, Salstro®, Vayantis
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
NLSB	NexLevel SB Elite and Marathon Extreme (Agri Partners)
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SA,A,R,G	Salstro, Allegiance FL, Redigo 480, Gaucho 600
SFI	Stine XP F&I
SS+,SA	SoyShield Plus, Salstro®
Treated	Treated, unspecified
Untreated	No seed treatment

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