

Test by: Southern MN FIRST New Richland, MN

## 2022 Soybeans Top 30 Harvest Report

Minnesota South Central [MNCS] MADISON LAKE, MN  
Mike Krenik, Le Sueur County, MN 56063

<b>Early-Season Test</b>	Maturity Group 1.5 - 1.8 S2022MNCS07a
<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Surestart
<b>SOIL DESCRIPTION:</b>	Lester loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, high K, 5.2 pH, 3.9% OM, 21.5 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Zidua Pro, Flexstar
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEDED - RATE - ROW:</b>	Jun 3 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 16 126.3 /A

### TEST COMMENTS:

Cool and wet weather in April and May delayed planting until June 3rd. Mike's on-farm rainfall records back up his statement that it was "too dry". Most of his rain came before the plot was planted: April - 5.12"; May - 4.07"; June - 0.97"; July - 3.73"; Aug - 3.28; and Sept - 0.72". This site only received 8.7" of rain after the beans were planted, and only 1.67" of rain after Aug 7th. Yields were above expectations, especially for the low amount of rainfall.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Zinesto	Z1502E ↗	E3	1.5	NA	<b>67.5</b>	10.6	0	126.0	948	1
Latham	L 1558 E3 ↗	E3	1.5	R	<b>67.4</b>	10.7	0	126.3	946	2
Xitavo	XO 1632E ↗	E3	1.6	R	<b>67.3</b>	10.7	1	127.7	945	3
Apex	AE1520 GC ↗	E3	1.5	R	<b>67.0</b>	10.8	0	126.3	941	4
Loyal	L1540E GC ↗	E3	1.5	R	66.6	10.6	0	126.7	935	5
Stine	17EE32 § ↗	E3	1.7	R	66.6	10.6	1	126.7	935	6
Anderson	A151E3 ↗	E3	1.5	NA	66.6	10.5	0	127.3	935	7
Latham	L 1648 LLGT27 ↗	LLGT27	1.6	R	66.6	10.6	0	127.3	935	8
Loyal	L1740E GC ↗	E3	1.7	R	66.5	10.4	1	126.3	934	9
Xitavo	XO 1822E ↗	E3	1.8	R	66.5	10.7	0	125.3	934	10
Stine	15EE32 § ↗	E3	1.5	R	66.1	10.6	0	126.0	928	11
Xitavo	XO 1761E ↗	E3	1.7	R	65.9	9.7	0	126.0	925	12
Zinesto	Z1603E ↗	E3	1.6	R	65.7	9.8	0	126.7	922	13
Zinesto	Z1702E ↗	E3	1.7	NA	65.7	10.4	1	126.7	922	14
Dairyland	DSR-1505E ↗	E3	1.5	R	65.5	10.4	0	127.0	920	15
Asgrow	AG18XF1 § ↗	RXF	1.8	R	65.3	9.9	0	125.7	917	17
Dyna-Gro	S17XF02 ↗	RXF	1.7	MR	65.1	10.9	0	125.0	914	18
Golden Harvest	GH1762XF § ↗	RXF	1.7	MR	65.1	10.3	0	124.7	914	19
Dyna-Gro	S16EN42 ↗	E3	1.6	R	64.3	10.4	0	125.7	903	20
Latham	L 1758 E3 ↗	E3	1.7	R	64.2	9.8	0	126.0	901	21
Titan Pro	TP 18E22 ↗	E3	1.8	R	64.0	10.5	0	126.5	899	22
Anderson	A182E3 ↗	E3	1.8	MR	63.8	10.2	1	126.3	896	23
Zinesto	Z1802E ↗	E3	1.8	NA	63.4	9.9	0	127.0	890	24
Golden Harvest	GH1802E3 § ↗	E3	1.8	R	63.3	10.0	0	126.7	889	25
Loyal	L1730E GC ↗	E3	1.7	NA	63.2	9.9	0	127.7	887	26
Asgrow	AG15XF2 § ↗	RXF	1.5	R	63.1	10.2	0	126.7	886	27
Latham	L 1784 XF ↗	RXF	1.7	R	62.5	9.9	1	126.0	878	28
Pioneer	P18A73E § ↗	E3	1.8	NA	62.1	9.9	0	126.0	872	29
Pioneer	P17A87E § ↗	E3	1.7	NA	62.1	10.5	0	126.0	872	30
Apex	AE1710 GC ↗	E3	1.7	R	61.9	10.2	0	126.0	869	31
DYNA-GRO	S18EN52 CK	E3	1.8	MR	65.4	10.1	0	126.7	918	16
					Averages =	<b>64.5</b>	<b>10.3</b>	<b>0</b>	<b>126.3</b>	<b>904</b>
					LSD (0.10) =	2.3	0.3	ns		
					LSD (0.25) =	1.2	0.1	ns		
					C.V. =	3.4				
					Historic yield: 58.84 bu/a, 15 yr(s)					

*Mark Querna*

Mark Querna

mark.querna@firstseedtests.com, (507) 380-9920

### Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$14.04

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

©2022, All rights reserved by Elite Field Genetics, LLC

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

Test by: Southern MN FIRST New Richland, MN

## 2022 Soybeans Top 30 Harvest Report

Minnesota South Central [MNCS] MADISON LAKE, MN  
Mike Krenik, Le Sueur County, MN 56063

<b>Full-Season Test</b>	Maturity Group <b>1.9 - 2.2</b> S2022MNCS07b
<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Surestart
<b>SOIL DESCRIPTION:</b>	Lester loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, high K, 5.2 pH, 3.9% OM, 21.5 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Zidua Pro, Flexstar
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEDED - RATE - ROW:</b>	Jun 3 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 16 128.7 /A

### TEST COMMENTS:

Cool and wet weather in April and May delayed planting until June 3rd. Mike's on-farm rainfall records back up his statement that it was "too dry". Most of his rain came before the plot was planted: April - 5.12"; May - 4.07"; June - 0.97"; July - 3.73"; Aug - 3.28; and Sept - 0.72". This site only received 8.7" of rain after the beans were planted, and only 1.67" of rain after Aug 7th. Yields were above expectations, especially for the low amount of rainfall.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Zinesto	Z2101G ↗	LLGT27	2.1	R	<b>69.4</b>	10.3	0	125.7	974	1
Genesis	G1950E ↗	E3	1.9	R	<b>68.5</b>	10.1	0	128.0	962	3
Asgrow	AG21XF2 § ↗	RXF	2.1	R	<b>68.2</b>	10.2	2	126.3	958	4
Golden Harvest	GH2292E3 § ↗	E3	2.2	MR	<b>67.9</b>	9.9	1	126.3	953	5
Xitavo	XO 1971E ↗	E3	1.9	R	<b>67.0</b>	9.9	0	126.3	941	6
Dyna-Gro	S20EN92 ↗	E3	2.0	MR	66.5	9.9	0	126.3	934	7
Asgrow	AG19XF3 § ↗	RXF	1.9	R	66.2	9.6	0	125.0	929	8
Latham	L 2049 E3 ↗	E3	2.0	R	65.9	10.2	0	125.3	925	9
Latham	L 1947 E3 ↗	E3	1.9	R	65.3	10.4	2	126.7	917	10
Titan Pro	TP 20E22 ↗	E3	2.0	R	65.3	10.7	0	127.0	917	11
Anderson	A200E3 ↗	E3	2.0	NA	65.2	10.4	1	129.0	915	12
Dairyland	DSR-2040E ↗	E3	2.0	R	65.1	10.3	0	127.7	914	13
Zinesto	Z2101E ↗	E3	2.1	R	64.7	10.6	1	127.3	908	14
Pioneer	P21T72E § ↗	E3	2.1	R	64.4	10.4	0	126.3	904	15
Loyal	L1950E § ↗	E3	1.9	R	64.0	9.9	3	125.7	899	16
Zinesto	Z1902E ↗	E3	1.9	NA	63.9	9.8	0	126.7	897	17
Latham	L 2193 E3 ↗	E3	2.1	R	63.6	10.2	1	126.0	893	18
Stine	22EF23 § ↗	E3	2.2	R	63.6	10.5	0	126.0	893	19
Xitavo	XO 2181E ↗	E3	2.1	R	63.4	10.6	0	127.3	890	20
Genesis	G1970E ↗	E3	1.9	R	63.2	10.1	2	126.7	887	21
Zinesto	Z2002E ↗	E3	2.0	NA	63.2	10.5	7	127.7	887	22
Pioneer	P19A66E § ↗	E3	1.9	NA	63.0	9.8	2	126.7	885	23
Genesis	G2270E ↗	E3	2.2	R	62.9	10.1	0	126.0	883	24
Dairyland	DSR-2030E ↗	E3	2.0	R	62.7	10.6	6	126.0	880	25
Gold Country	1942XF ↗	RXF	1.9	R	62.6	9.7	0	126.0	879	26
Dyna-Gro	S19XF62 ↗	RXF	1.9	R	62.6	10.2	0	126.3	879	27
Dairyland	DSR-2188E ↗	E3	2.1	R	62.6	10.7	0	126.3	879	28
Loyal	L2250E GC ↗	E3	2.2	R	61.8	10.2	1	127.3	868	29
Golden Harvest	GH2083E3S § ↗	E3,ST	2.0	R	61.7	10.3	0	126.7	866	30
Gold Country	2250XF ↗	RXF	2.2	R	61.4	10.6	0	125.0	862	31
DYNA-GRO	S18EN52 CK	E3	1.8	MR	68.7	10.2	0	204.0	965	2
					Averages =	<b>64.2</b>	<b>10.2</b>	<b>2</b>	<b>128.7</b>	<b>900</b>
					LSD (0.10) =	2.9	0.3	2		
					LSD (0.25) =	1.5	0.2	1		
					C.V. =	4.3				
					Historic yield: 58.84 bu/a, 15 yr(s)					

*Mark Querna*

Mark Querna

mark.querna@firstseedtests.com, (507) 380-9920

### Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$14.04

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

©2022, All rights reserved by Elite Field Genetics, LLC

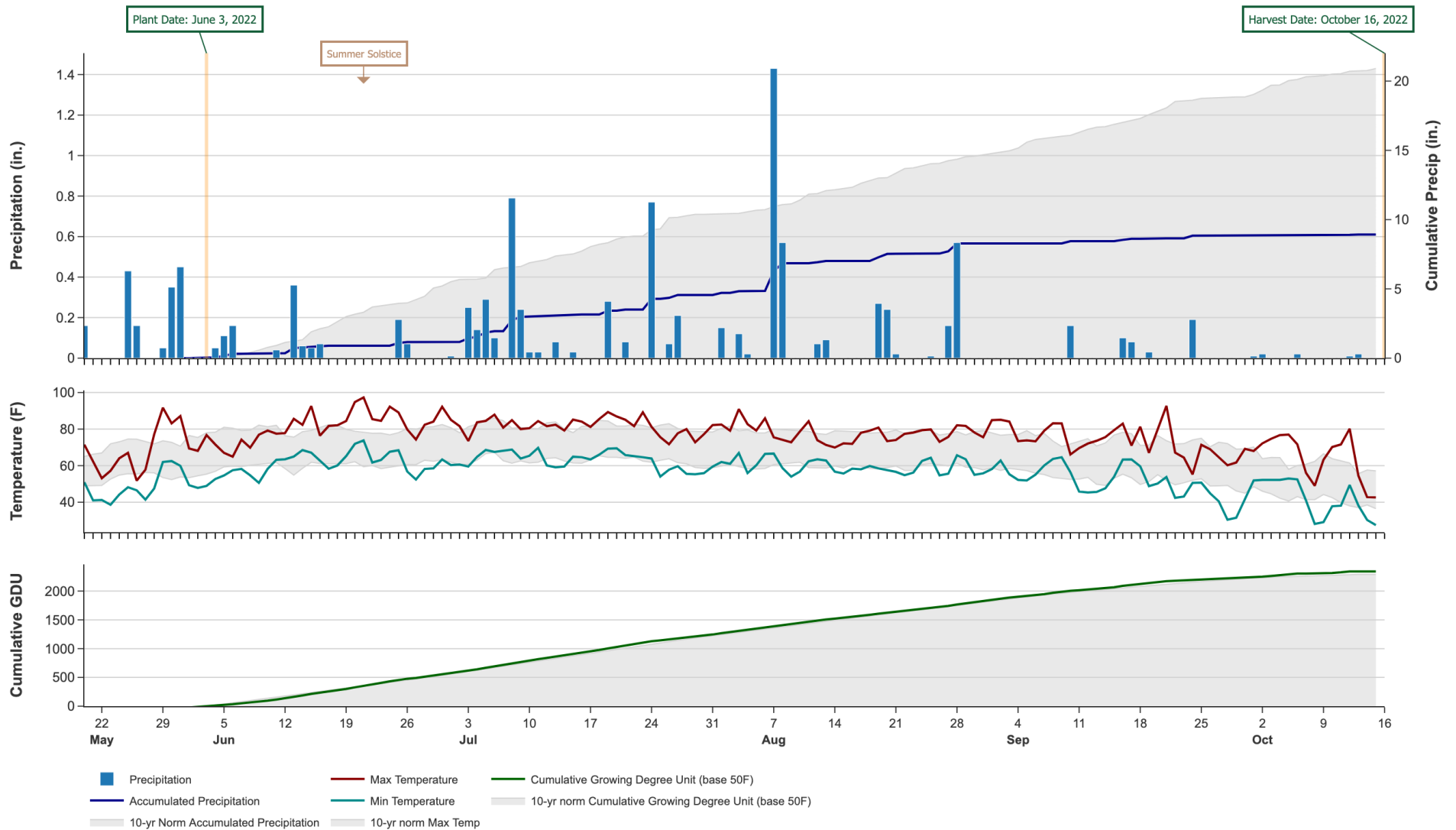
Additional reports available at [www.firstseedtests.com](http://www.firstseedtests.com)

# 2022 Soybeans - Minnesota South Central [ MNSC ]

## Weather Conditions Summary at MADISON LAKE, MN

Weather Data Retrieved: 10/16/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	1.6   2.2 (-0.6)	1.2   5.4 (-4.2)	3.4   5.2 (-1.8)	3.7   4.3 (-0.6)	0.6   4.2 (-3.6)	0.1   2.0 (-2.0)	10.5   23.3 (-12.7)
GDU   Normal (Diff)	116   147 (-31)	589   585 (+3)	689   683 (+5)	576   591 (-15)	405   405 (0)	113   69 (+43)	2488   2483 (+4)



\* 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 Central [ MNSC ]

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

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Anderson	A151E3	E3	NA	1.5	Untreated
Anderson	A172E3	E3	MR	1.7	Untreated
Anderson	A182E3	E3	MR	1.8	Untreated
Apex	AE1520 GC	E3	R	1.5	Treated
Apex	AE1630 GC	E3	R	1.6	Treated
Apex	AE1710 GC	E3	R	1.7	Treated
Asgrow	AG15XF2 §	RXF	R	1.5	ACi,IL
Asgrow	AG18XF1 §	RXF	R	1.8	ACi,IL
Dairyland	DSR-1505E	E3	R	1.5	Lum,Lu,IL
Dairyland	DSR-1673E	E3	R	1.6	Lum,Lu,IL
Dyna-Gro	S16EN42	E3	R	1.6	EQV,Sa,Va
Dyna-Gro	S17XF02	RXF	MR	1.7	EQV,Sa,Va
Dyna-Gro	S18EN52 CK	E3	MR	1.8	EQV,Sa,Va
Federal	F1830N GC	RXF	NA	1.8	Treated
Gold Country	1841XF	RXF	R	1.8	ACi,IL
Golden Harvest	GH1762XF §	RXF	MR	1.7	CMBV,SA
Golden Harvest	GH1802E3 §	E3	R	1.8	CMBV,SA
Latham	L 1558 E3	E3	R	1.5	SS+,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
Loyal	L1540E GC	E3	R	1.5	NLSB
Loyal	L1730E GC	E3	NA	1.7	NLSB
Loyal	L1740E GC	E3	R	1.7	NLSB
Pioneer	P17A87E §	E3	NA	1.7	Untreated
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
Zinesto	Z1502E	E3	NA	1.5	DST4
Zinesto	Z1603E	E3	R	1.6	DST4
Zinesto	Z1702E	E3	NA	1.7	DST4,SA
Zinesto	Z1802E	E3	NA	1.8	DST4

## 2022 Soybeans - Minnesota South Central [ MNSC ]

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

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Anderson	A200E3	E3	NA	2.0	Untreated
Asgrow	AG19XF3 §	RXF	R	1.9	ACi,IL
Asgrow	AG21XF2 §	RXF	R	2.1	ACi,IL
Dairyland	DSR-1919E	E3	R	1.9	Lum,Lu,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	S19XF62	RXF	R	1.9	EQV,Sa,Va
Dyna-Gro	S20EN92	E3	MR	2.0	EQV,Sa,Va
Dyna-Gro	S21XF61	RXF	R	2.1	EQV,Sa,Va
Genesis	G1950E	E3	R	1.9	EcTC,SA
Genesis	G1970E	E3	R	1.9	EcTC,SA
Genesis	G2150E	E3	R	2.1	EcTC,SA
Genesis	G2270E	E3	R	2.2	EcTC,SA
Gold Country	1942XF	RXF	R	1.9	ACi,IL
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 1947 E3	E3	R	1.9	SS+,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
Loyal	L1950E §	E3	R	1.9	NLSB
Loyal	L2250E GC	E3	R	2.2	NLSB
Pioneer	P19A66E §	E3	NA	1.9	Untreated
Pioneer	P21T72E §	E3	R	2.1	Untreated
Stine	22EF23 §	E3	R	2.2	SFI
Titan Pro	TP 20E22	E3	R	2.0	SA,A,R,G
Xitavo	XO 1971E	E3	R	1.9	PV,IL,OB,Rey
Xitavo	XO 2181E	E3	R	2.1	PV,IL,OB,Rey
Xitavo	XO 2282E	E3	R	2.2	PV,IL,OB,Rey
Zinesto	Z1902E	E3	NA	1.9	DST4
Zinesto	Z2002E	E3	NA	2.0	DST4
Zinesto	Z2101E	E3	R	2.1	DST4
Zinesto	Z2101G	LLGT27	R	2.1	DST4

## Footnotes and Abbreviations Descriptions

### Brand Footnotes

---

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

---

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

### Soybeans Technologies

---

E3	Enlist™ E3
LLGT27	LibertyLink® GT27®
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

---

### Soybeans Seed Treatments\*

---

NA	Not Available
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
CMBV,SA	Cruisermass® Beans, Vibrance®, Salstro®
DST4	Dominance 4 ST
DST4,SA	Dominance 4 ST,Saltro®
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	Saltro, Allegiance FL, Redigo 480, Gaucho 600
SFI	Stine XP F&I
SS+,SA	SoyShield Plus, Salstro®
Treated	Treated, unspecified
Untreated	No seed treatment

---

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