

Test by: Southern MN FIRST New Richland, MN

## 2022 Soybeans Top 30 Harvest Report

Minnesota South Central [MNSC] NERSTRAND, MN  
Wheeling Grain Partnership, Keith, Kurt and Brian Schrader,  
Rice County, MN 55053

<b>Early-Season Test</b>	Maturity Group 1.5 - 1.8 S2022MNSC08a
<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Surestart II, Resicore
<b>SOIL DESCRIPTION:</b>	Port Byron silt loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	low P, high K, 6.4 pH, 3.3% OM, 15.9 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Zidua Pro, Flexstar, Aproach Prima
<b>Applied N-P-K (units):</b>	0-0-120
<b>SEDED - RATE - ROW:</b>	May 28 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 16 126.0 /A

### TEST COMMENTS:

Rainfall amounts here were 1" in May; 4.7" in June; 4.7" in July, 5.7" in Aug; and 1" in Sept, totaling 17.1" during the growing season. Plant growth was impressive in spite of the lack of rain, and plants were healthy all season. Fungicide was applied at R3 growth stage. Plants stood well with large bean size. The food-grade price premium is shown as \$2.60 over the conventional price. Talk to your seed representative to determine premiums specific to protein content.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Xitavo	XO 1822E ↗	E3	1.8	R	<b>71.8</b>	9.9	0	127.3	1008	1
Loyal	L1740E GC ↗	E3	1.7	R	<b>71.5</b>	9.8	0	125.0	1004	2
Latham	L 1558 E3 ↗	E3	1.5	R	<b>71.3</b>	9.8	0	126.3	1001	3
Apex	AE1520 GC ↗	E3	1.5	R	<b>71.2</b>	9.9	0	125.7	1000	4
Zinesto	Z1802E ↗	E3	1.8	NA	<b>70.0</b>	9.9	0	126.3	983	5
Stine	17EE32 § ↗	E3	1.7	R	<b>70.0</b>	10.0	0	124.3	983	6
Gold Country	1841XF ↗	RXF	1.8	R	<b>70.0</b>	9.7	0	127.3	983	7
Golden Harvest	GH1802E3 § ↗	E3	1.8	R	69.1	9.5	0	126.7	970	8
Latham	L 1648 LLGT27 ↗	LLGT27	1.6	R	68.8	10.0	0	126.3	966	9
Dyna-Gro	S16EN42 ↗	E3	1.6	R	68.1	9.7	0	126.3	956	10
Zinesto	Z1502E ↗	E3	1.5	NA	68.0	9.8	0	126.0	955	11
Loyal	L1540E GC ↗	E3	1.5	R	67.8	9.9	0	126.0	952	12
Pioneer	P17A87E § ↗	E3	1.7	NA	67.6	9.6	0	126.0	949	13
Asgrow	AG18XF1 § ↗	RXF	1.8	R	67.3	9.7	0	128.3	945	14
Xitavo	XO 1632E ↗	E3	1.6	R	67.1	10.0	0	126.3	942	15
Apex	AE1630 GC ↗	E3	1.6	R	66.9	9.8	0	126.0	939	16
Titan Pro	TP 18E22 ↗	E3	1.8	R	66.8	10.0	0	126.0	938	17
Federal	F1830N GC ↗	RXF	1.8	NA	66.5	9.8	0	124.7	934	19
Latham	L 1758 E3 ↗	E3	1.7	R	66.4	9.1	0	125.7	932	20
Golden Harvest	GH1762XF § ↗	RXF	1.7	MR	66.1	9.6	0	126.7	928	21
Dyna-Gro	S17XF02 ↗	RXF	1.7	MR	66.0	9.7	0	126.3	927	22
Stine	15EE32 § ↗	E3	1.5	R	65.8	9.9	0	125.0	924	23
Xitavo	XO 1761E ↗	E3	1.7	R	65.4	9.1	0	126.7	918	24
Asgrow	AG15XF2 § ↗	RXF	1.5	R	64.4	9.6	0	126.7	904	25
Apex	AE1710 GC ↗	E3	1.7	R	64.2	9.3	0	125.7	901	26
Anderson	A172E3 ↗	E3	1.7	MR	63.4	10.3	0	126.3	890	27
Anderson	A151E3 ↗	E3	1.5	NA	63.2	10.0	0	126.0	887	28
Dairyland	DSR-1673E ↗	E3	1.6	R	63.2	9.9	0	127.3	887	29
Zinesto	Z1702E ↗	E3	1.7	NA	63.1	9.9	0	117.7	886	30
Anderson	A182E3 ↗	E3	1.8	MR	62.9	10.1	0	125.7	883	31
<b>DYNA-GRO</b>	<b>S18EN52 CK</b>	<b>E3</b>	<b>1.8</b>	<b>MR</b>	<b>66.8</b>	<b>9.4</b>	<b>0</b>	<b>126.0</b>	<b>938</b>	<b>18</b>
					<b>Averages =</b>	<b>66.4</b>	<b>9.7</b>	<b>0</b>	<b>126.0</b>	<b>933</b>
					LSD (0.10) =	3.6	0.2	ns		
					LSD (0.25) =	1.9	0.1	ns		
					C.V. =	5.2	Historic yield: 67.85 bu/a, 5 yr(s)			

*Mark Querna*

Mark Querna

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

Report Date: 10/17/2022

† 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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Rice County, MN 55053

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<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
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<b>PEST MANAGEMENT:</b>	Zidua Pro, Flexstar, Aproach Prima
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Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Anderson	A200E3 ↗	E3	2.0	NA	<b>74.7</b>	9.8	0	124.7	1049	1
Loyal	L1950E § ↗	E3	1.9	R	<b>73.7</b>	10.1	0	126.7	1035	2
Genesis	G2270E ↗	E3	2.2	R	<b>73.2</b>	10.7	0	126.3	1028	3
Latham	L 2049 E3 ↗	E3	2.0	R	<b>72.3</b>	9.7	0	126.3	1015	4
Pioneer	P19A66E § ↗	E3	1.9	NA	71.5	10.0	0	127.0	1004	5
Dyna-Gro	S19XF62 ↗	RXF	1.9	R	71.3	9.7	0	126.3	1001	6
Pioneer	P21T72E § ↗	E3	2.1	R	71.1	9.7	0	127.0	998	7
Stine	22EF23 § ↗	E3	2.2	R	71.1	10.5	0	126.7	998	8
Xitavo	XO 2181E ↗	E3	2.1	R	71.0	10.1	0	127.3	997	9
Zinesto	Z2101E ↗	E3	2.1	R	70.8	9.7	0	126.3	994	10
Asgrow	AG21XF2 § ↗	RXF	2.1	R	70.6	10.3	0	126.0	991	11
Zinesto	Z1902E ↗	E3	1.9	NA	70.4	10.3	0	127.3	988	12
Asgrow	AG19XF3 § ↗	RXF	1.9	R	69.3	9.7	0	127.0	973	13
Latham	L 2283 XF ↗	RXF	2.2	R	69.3	10.8	0	125.7	973	14
Genesis	G2150E ↗	E3	2.1	R	69.1	9.9	0	127.0	970	15
Dyna-Gro	S20EN92 ↗	E3	2.0	MR	68.7	9.7	0	126.0	965	16
Dairyland	DSR-2188E ↗	E3	2.1	R	68.7	11.0	0	126.0	965	17
Latham	L 1947 E3 ↗	E3	1.9	R	68.6	10.3	0	127.3	963	18
Loyal	L2250E GC ↗	E3	2.2	R	68.5	10.5	0	122.0	962	19
Genesis	G1950E ↗	E3	1.9	R	68.3	9.4	0	124.7	959	20
Xitavo	XO 2282E ↗	E3	2.2	R	68.2	10.1	0	127.3	958	21
Zinesto	Z2002E ↗	E3	2.0	NA	68.2	10.2	0	126.7	958	22
Golden Harvest	GH2292E3 § ↗	E3	2.2	MR	68.1	9.8	0	127.3	956	23
Genesis	G1970E ↗	E3	1.9	R	68.0	10.1	0	127.0	955	24
Zinesto	Z2101G ↗	LLGT27	2.1	R	68.0	10.4	0	126.0	955	25
Latham	L 2193 E3 ↗	E3	2.1	R	67.8	10.0	0	126.3	952	27
Titan Pro	TP 20E22 ↗	E3	2.0	R	67.4	10.5	0	127.7	946	28
Dairyland	DSR-2040E ↗	E3	2.0	R	66.7	9.8	0	126.0	936	29
Golden Harvest	GH2083E3S § ↗	E3,ST	2.0	R	64.6	10.3	0	127.3	907	30
Gold Country	2250XF ↗	RXF	2.2	R	63.9	11.2	0	127.0	897	31
<b>DYNA-GRO</b>	<b>S18EN52 CK</b>	<b>E3</b>	<b>1.8</b>	<b>MR</b>	<b>68.0</b>	<b>9.5</b>	<b>0</b>	<b>127.3</b>	<b>955</b>	<b>26</b>

*Mark Querna*

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Averages = **68.5** **10.1** **0** **126.5** **962**

LSD (0.10) = 3.3 0.3 ns

LSD (0.25) = 1.7 0.2 ns

C.V. = 4.6

Historic yield: 67.85 bu/a, 5 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: 10/17/2022

† 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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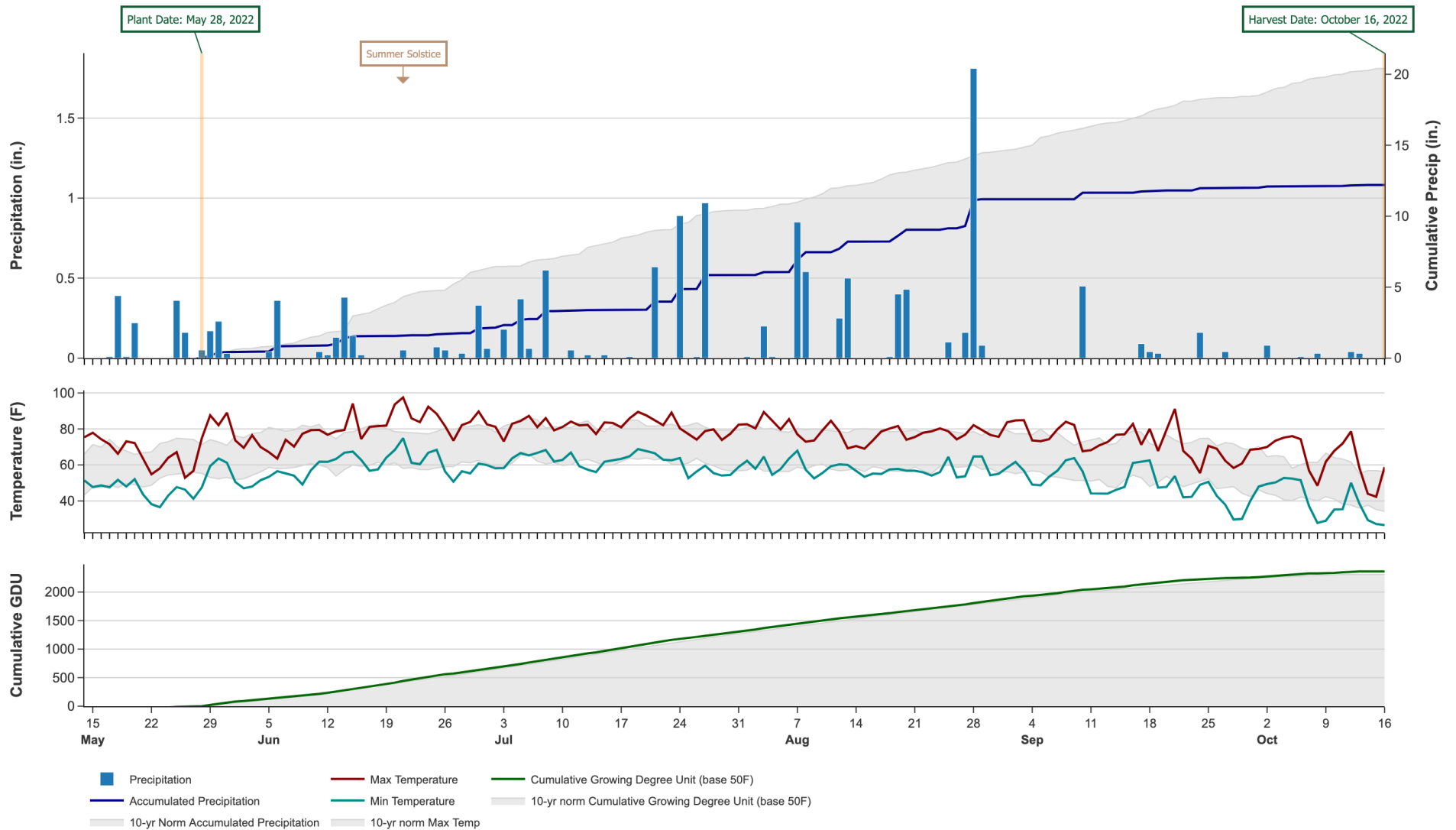
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# 2022 Soybeans - Minnesota South Central [ MNSC ]

## Weather Conditions Summary at NERSTRAND, MN

Weather Data Retrieved: 10/17/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   Normal (Diff)	1.6   3.7 (-2.0)	1.7   5.8 (-4.1)	3.8   4.2 (-0.5)	5.3   4.2 (+1.2)	0.8   3.9 (-3.0)	0.2   2.0 (-1.8)	13.4   23.6 (-10.2)
GDU   Normal (Diff)	187   207 (-20)	566   564 (+1)	666   666 (0)	558   573 (-15)	394   394 (0)	107   70 (+36)	2478   2478 (0)



\* 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

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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
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

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