

Test by: Southern MN FIRST New Richland, MN

2022 Soybeans Top 30 Harvest Report

Minnesota South Central [MNSC] WINTHROP, MN
Jim Sallstrom, Sibley County, MN

Early-Season Test	Maturity Group 1.5 - 1.8 S2022MNSC06a
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Acuron Gt, Roundup
SOIL DESCRIPTION:	Harps clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	very high P, medium K, 6.7 pH, 5.3% OM, 26.9 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Dual, Section Three, Liberty, Miravis Neo
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 21 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 12 127.3 /A

TEST COMMENTS:

A cool and wet spring delayed planting. Jim noted that it was very dry in June, there were decent rains in July, then was dry for the last 6 weeks before harvest. The soybeans lost some yield potential due to the dry weather during pod fill. Still, Jim stated that his yields were in the 60 bpa range. Plants stood well at harvest. There was a killing frost on Sept 29, and another on Oct 6, but even the Full Season beans were mature by then.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Titan Pro	TP 18E22 ↗	E3	1.8	R	72.6	10.0	0	128.0	1018	2
Anderson	A172E3 ↗	E3	1.7	MR	72.0	9.9	0	127.7	1011	3
Pioneer	P17A87E § ↗	E3	1.7	NA	69.8	9.7	0	127.7	980	4
Apex	AE1630 GC ↗	E3	1.6	R	69.6	10.4	0	128.0	977	5
Anderson	A151E3 ↗	E3	1.5	NA	68.9	10.0	0	129.0	967	6
Anderson	A182E3 ↗	E3	1.8	MR	68.9	9.7	0	128.0	967	7
Zinesto	Z1802E ↗	E3	1.8	NA	68.8	9.8	0	126.7	966	8
Dyna-Gro	S16EN42 ↗	E3	1.6	R	68.3	10.1	0	129.5	959	9
Golden Harvest	GH1802E3 § ↗	E3	1.8	R	68.3	9.6	0	127.7	959	10
Pioneer	P18A73E § ↗	E3	1.8	NA	67.8	9.6	0	127.7	952	11
Zinesto	Z1702E ↗	E3	1.7	NA	67.8	10.4	0	126.3	952	12
Gold Country	1841XF ↗	RXF	1.8	R	67.3	9.6	0	130.3	945	13
Loyal	L1740E GC ↗	E3	1.7	R	67.0	10.0	0	125.7	941	14
Zinesto	Z1502E ↗	E3	1.5	NA	66.5	10.1	0	127.0	934	15
Apex	AE1520 GC ↗	E3	1.5	R	65.9	10.0	0	127.0	925	16
Golden Harvest	GH1762XF § ↗	RXF	1.7	MR	65.6	10.0	0	124.0	921	17
Latham	L 1558 E3 ↗	E3	1.5	R	64.9	10.2	0	128.3	911	18
Dyna-Gro	S17XF02 ↗	RXF	1.7	MR	64.7	10.0	0	127.0	908	19
Latham	L 1758 E3 ↗	E3	1.7	R	63.9	10.2	0	126.0	897	20
Xitavo	XO 1822E ↗	E3	1.8	R	63.7	10.1	0	128.3	894	21
Asgrow	AG15XF2 § ↗	RXF	1.5	R	62.7	9.9	0	129.0	880	22
Xitavo	XO 1632E ↗	E3	1.6	R	62.7	10.6	0	124.7	880	23
Asgrow	AG18XF1 § ↗	RXF	1.8	R	62.7	9.7	0	127.0	880	24
Stine	15EE32 § ↗	E3	1.5	R	62.4	10.2	0	125.7	876	25
Latham	L 1648 LLGT27 ↗	LLGT27	1.6	R	62.3	9.9	0	128.0	873	26
Latham	L 1784 XF ↗	RXF	1.7	R	61.2	9.9	0	127.3	859	27
Dairyland	DSR-1505E ↗	E3	1.5	R	60.9	9.4	0	128.7	855	28
Federal	F1830N GC ↗	RXF	1.8	NA	60.6	9.7	0	128.0	851	29
Stine	17EE32 § ↗	E3	1.7	R	59.1	10.1	0	125.0	830	30
Loyal	L1730E GC ↗	E3	1.7	NA	59.1	9.3	0	127.3	830	31
DYNA-GRO	S18EN52 CK	E3	1.8	MR	72.9	9.6	0	127.3	1024	1

Mark Querna

Mark Querna

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

Averages = **64.6** **9.9** **0** **127.3** **905**

LSD (0.10) = 5.9 0.4 ns

LSD (0.25) = 3.1 0.2 ns

C.V. = 8.6

Historic yield: 55.34 bu/a, 4 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$14.04

Report Date: 10/13/2022

† 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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Jim Sallstrom, Sibley County, MN

Full-Season Test	Maturity Group 1.9 - 2.2 S2022MNSC06b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Acuron Gt, Roundup
SOIL DESCRIPTION:	Harps clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	very high P, medium K, 6.7 pH, 5.3% OM, 26.9 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Dual, Section Three, Liberty, Miravis Neo
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 21 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 12 127.7 /A

TEST COMMENTS:

A cool and wet spring delayed planting. Jim noted that it was very dry in June, there were decent rains in July, then was dry for the last 6 weeks before harvest. The soybeans lost some yield potential due to the dry weather during pod fill. Still, Jim stated that his yields were in the 60 bpa range. Plants stood well at harvest. There was a killing frost on Sept 29, and another on Oct 6, but even the Full Season beans were mature by then.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Pioneer	P21T72E § ↗	E3	2.1	R	73.9	10.2	0	127.3	1038	1
Zinesto	Z1902E ↗	E3	1.9	NA	73.8	10.2	0	128.7	1036	2
Latham	L 1947 E3 ↗	E3	1.9	R	73.7	10.0	0	127.3	1035	3
Asgrow	AG21XF2 § ↗	RXF	2.1	R	73.1	9.8	0	127.0	1026	4
Latham	L 2049 E3 ↗	E3	2.0	R	73.0	10.7	0	128.7	1025	5
Genesis	G2150E ↗	E3	2.1	R	72.9	11.1	0	126.3	1024	6
Loyal	L1950E § ↗	E3	1.9	R	72.9	10.5	0	126.7	1024	7
Zinesto	Z2101G ↗	LLGT27	2.1	R	72.8	10.1	0	126.7	1022	8
Genesis	G1970E ↗	E3	1.9	R	72.6	10.3	0	127.3	1019	9
Genesis	G1950E ↗	E3	1.9	R	72.2	9.6	0	127.7	1014	10
Pioneer	P19A66E § ↗	E3	1.9	NA	71.3	10.0	0	128.7	1001	11
Zinesto	Z2101E ↗	E3	2.1	R	71.0	10.9	0	128.7	997	12
Anderson	A200E3 ↗	E3	2.0	NA	70.7	10.7	0	127.3	993	13
Titan Pro	TP 20E22 ↗	E3	2.0	R	70.2	10.5	0	126.7	986	14
Xitavo	XO 2181E ↗	E3	2.1	R	70.0	10.3	0	129.0	983	15
Asgrow	AG19XF3 § ↗	RXF	1.9	R	69.7	10.5	0	128.7	979	16
Dyna-Gro	S20EN92 ↗	E3	2.0	MR	69.6	10.3	0	128.0	977	17
Dairyland	DSR-1919E ↗	E3	1.9	R	69.1	10.1	0	125.7	970	18
Xitavo	XO 1971E ↗	E3	1.9	R	69.1	9.8	0	128.3	970	19
Gold Country	2250XF ↗	RXF	2.2	R	68.4	11.0	0	128.0	960	21
Golden Harvest	GH2083E3S § ↗	E3,ST	2.0	R	68.0	10.5	0	126.7	955	22
Latham	L 2283 XF ↗	RXF	2.2	R	67.8	11.0	2	127.0	952	23
Dairyland	DSR-2040E ↗	E3	2.0	R	67.6	10.0	0	129.3	949	24
Gold Country	1942XF ↗	RXF	1.9	R	67.3	9.6	0	129.3	945	25
Zinesto	Z2002E ↗	E3	2.0	NA	66.9	10.6	0	128.3	939	26
Dairyland	DSR-2030E ↗	E3	2.0	R	66.8	10.0	0	127.0	938	27
Latham	L 2193 E3 ↗	E3	2.1	R	65.8	10.5	0	126.7	924	28
Golden Harvest	GH2292E3 § ↗	E3	2.2	MR	65.1	10.5	0	127.0	914	29
Dyna-Gro	S19XF62 ↗	RXF	1.9	R	64.8	10.2	0	128.0	910	30
Genesis	G2270E ↗	E3	2.2	R	64.6	10.1	0	128.3	907	31
DYNA-GRO	S18EN52 CK	E3	1.8	MR	69.1	10.5	0	128.7	970	20

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Averages = **68.7** **10.3** **0** **127.7** **964**

LSD (0.10) = 3.8 0.4 1

LSD (0.25) = 2.0 0.2 0

C.V. = 5.3

Historic yield: 55.34 bu/a, 4 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$14.04

Report Date: 10/13/2022

† 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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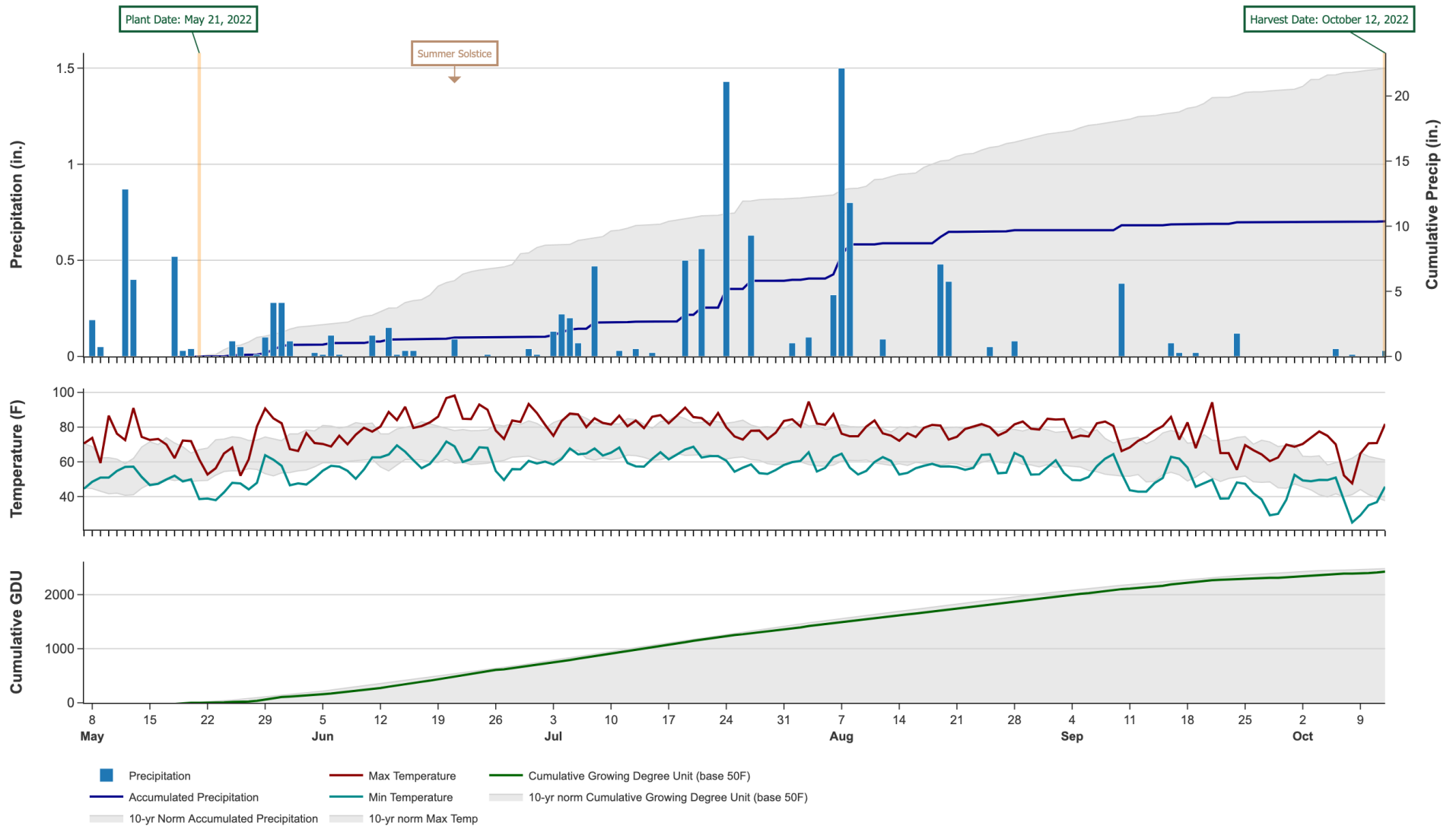
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2022 Soybeans - Minnesota South Central [MNSC]

Weather Conditions Summary at WINTHROP, MN

Weather Data Retrieved: 10/13/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	2.9 4.2 (-1.4)	0.7 6.1 (-5.4)	4.3 4.1 (+0.2)	3.9 4.8 (-1.0)	0.6 3.5 (-2.9)	0.1 1.7 (-1.6)	12.5 24.6 (-12.1)
GDU Normal (Diff)	278 253 (+24)	576 587 (-11)	670 696 (-26)	576 599 (-23)	393 398 (-5)	106 66 (+39)	2599 2600 (-1)



* 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®, Saltró®
DST4	Dominance 4 ST
DST4,SA	Dominance 4 ST,Saltró®
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Saltró®
EQV,Sa,Va	Equity VIP, Saltró®, 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	Saltró, Allegiance FL, Redigo 480, Gaucho 600
SFI	Stine XP F&I
SS+,SA	SoyShield Plus, Saltró®
Treated	Treated, unspecified
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.