

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

2022 Soybeans Top 30 Harvest Report

Iowa Northwest [IANW] SIOUX CENTER, IA
Chris Vander Brink, Sioux County, IA

Early-Season Test	Maturity Group 1.9 - 2.4 S2022IANW01a
Top 30 of 35	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Harness Max, Roundup
SOIL DESCRIPTION:	Galva silty clay loam, well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 6.2 pH, 4.5% OM, 19.7 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Liberty 280 SI, Roundup Power Max, Select Max, Lambda Cy, Miravis Neo
FERTILITY - Applied N:	5000 gal hog manure bi- annually
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 16 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 1 122.4 /A

TEST COMMENTS:

The farm that Chris helped us select for this trial site is a Galva soil type that is very representative of the area. With excellent fertility, crops in this soil type typically do relatively well during stressful years due to rich and deep soil profiles that have the ability to hold water longer through dry periods. This year was a true test of endurance from drought with rainfall ending 8.6" below the seasonal average. These no-tilled beans were able to trap and utilize the small amounts of moisture from scattered showers that fell early in the season. Plants were healthy and stood well at harvest.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Xitavo	XO 2323E ↗	E3	2.3	R	80.6	8.0	0	106.7	1068	1
Xitavo	XO 2472E ↗	E3,ST	2.4	R	80.4	8.0	0	114.0	1065	2
Stine	22EF23 § ↗	E3	2.2	R	79.4	7.5	0	130.0	1052	3
NK Brand	NK23-T9XF ↗	RXF	2.3	R	78.3	8.2	0	122.0	1037	4
FS HISOY	HS 23E10 ↗	E3,ST	2.3	R	77.2	8.0	0	114.7	1023	5
Kruger	K2294XF ↗	RXF	2.2	R	75.9	8.1	0	106.7	1006	6
Zinesto	Z2303E ↗	E3	2.3	R	75.7	8.0	0	114.7	1003	7
Golden Harvest	GH2292E3 § ↗	E3	2.2	MR	75.7	7.4	0	122.7	1003	8
Latham	L 2049 E3 ↗	E3	2.0	R	73.2	7.5	0	106.7	970	9
Stine	17EE32 § ↗	E3	1.7	R	72.5	7.6	0	114.0	961	10
Latham	L 2379 E3 ↗	E3	2.3	R	72.4	7.6	0	122.7	959	11
Golden Harvest	GH2083E3S ↗	E3,ST	2.0	R	71.8	7.5	0	122.0	951	12
Xitavo	XO 2181E ↗	E3	2.1	R	71.2	7.8	0	138.0	943	13
FS HISOY	HS 24F00 ↗	RXF,ST	2.4	R	70.6	8.5	0	138.0	935	14
Pioneer	P20T64E § ↗	E3	2.0	R	70.2	7.6	0	122.0	930	15
Latham	L 1947 E3 ↗	E3	1.9	R	70.1	7.6	0	114.0	929	16
Croplan	CP2240XF GC ↗	RXF	2.2	R	70.1	7.6	0	130.0	929	17
Asgrow	AG24XF3 § ↗	RXF	2.4	R	69.9	7.9	0	130.0	926	18
Latham	L 2193 E3 ↗	E3	2.1	R	69.7	7.8	0	130.0	924	19
FS HISOY	HS 21E20 ↗	E3	2.1	R	69.6	8.3	0	122.0	922	20
NK Brand	NK19-D5XF § ↗	RXF	1.9	R	69.5	7.5	0	122.0	921	21
Titan Pro	TP 20E22 ↗	E3	2.0	R	69.2	7.7	0	130.0	917	22
Xitavo	XO 1971E ↗	E3	1.9	R	68.7	7.5	0	114.7	910	23
Asgrow	AG20XF1 § ↗	RXF	2.0	R	68.5	7.7	0	138.0	908	25
Hoegemeyer	2123 E ↗	E3	2.1	R	68.1	7.5	0	130.0	902	26
Kruger	K1914XF ↗	RXF	1.9	R	68.0	7.5	0	130.0	901	27
Zinesto	Z1902E ↗	E3	1.9	NA	67.6	7.4	0	130.0	896	28
Zinesto	Z2401E ↗	E3	2.4	R	66.1	8.6	0	114.7	876	29
Zinesto	Z2101G ↗	LLGT27	2.1	R	65.9	7.7	0	114.0	873	30
NK Brand	NK19-T8E3S ↗	E3,ST	1.9	R	65.6	7.4	0	122.0	869	31
CROPLAN	CP2520E CK	E3	2.5	R	68.7	7.8	0	122.0	910	24

Corey Rozenboom

Corey Rozenboom

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Averages = **70.8** **7.8** **122.4** **937**

LSD (0.10) = 2.7 0.3 ns

LSD (0.25) = 1.4 0.1 ns

C.V. = 3.6 Historic yield: 56.33 bu/a, 1 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$13.25

Report Date: 10/02/2022

† 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

Iowa Northwest [IANW] SIOUX CENTER, IA
Chris Vander Brink, Sioux County, IA

Full-Season Test	Maturity Group 2.5 - 2.8 S2022IANW01b
Top 30 of 30	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Harness Max, Roundup
SOIL DESCRIPTION:	Galva silty clay loam, well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 6.2 pH, 4.5% OM, 19.7 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Liberty 280 SI, Roundup Power Max, Select Max, Lambda Cy, Miravis Neo
FERTILITY - Applied N:	5000 gal hog manure bi- annually
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 16 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 1 125.2 /A

TEST COMMENTS:

The farm that Chris helped us select for this trial site is a Galva soil type that is very representative of the area. With excellent fertility, crops in this soil type typically do relatively well during stressful years due to rich and deep soil profiles that have the ability to hold water longer through dry periods. This year was a true test of endurance from drought with rainfall ending 8.6" below the seasonal average. These no-tilled beans were able to trap and utilize the small amounts of moisture from scattered showers that fell early in the season. Plants were healthy and stood well at harvest.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Stine	26EC32 § ↗	E3	2.6	R	69.9	9.0	0	106.7	926	1
Xitavo	XO 2832E ↗	E3	2.8	R	68.6	9.1	0	130.0	909	2
Hoegemeyer	2831 E GC ↗	E3	2.8	R	68.6	8.9	0	106.7	909	3
Zinesto	Z2603E ↗	E3	2.6	R	67.3	8.3	0	130.0	892	5
Pioneer	P26T23E § ↗	E3	2.6	R	66.9	8.2	0	130.0	886	6
Kruger	K2793XF ↗	RXF	2.7	R	66.4	8.5	0	122.0	880	7
FS HiSOY	HS 26F20 ↗	RXF	2.6	R	66.4	8.9	0	138.0	880	8
Xitavo	XO 2613E ↗	E3	2.6	R	66.0	7.9	0	138.0	874	9
Latham	L 2786 XF ↗	RXF	2.7	R	65.7	8.8	0	122.0	871	10
Pioneer	P26T57E § ↗	E3	2.6	R	65.3	7.9	0	138.0	865	11
Hoegemeyer	2763 E ↗	E3	2.7	R	65.3	7.8	0	122.7	865	12
Stine	26EF23 § ↗	E3	2.6	R	64.9	8.3	0	130.0	860	13
Latham	L 2638 E3 ↗	E3	2.6	R	64.7	7.9	0	122.0	857	14
Kruger	K2604XF ↗	RXF	2.6	R	64.6	8.1	0	138.0	856	15
Hoegemeyer	2553 E ↗	E3	2.5	R	64.2	8.1	0	130.0	851	16
Asgrow	AG26XF3 § ↗	RXF	2.6	R	63.1	8.4	0	130.0	836	17
Zinesto	Z2503E ↗	E3	2.5	R	63.0	7.5	0	114.7	835	18
FS HiSOY	HS 27F20 ↗	RXF	2.7	R	63.0	8.4	0	138.0	835	19
Golden Harvest	GH2653XF ↗	RXF	2.6	R	62.8	7.7	0	114.7	832	20
Latham	L 2894 E3 ↗	E3	2.8	R	62.4	8.9	0	106.7	827	21
Kruger	K2594XF ↗	RXF	2.5	R	62.3	8.1	0	138.0	825	22
Xitavo	XO 2501E ↗	E3	2.5	R	62.0	7.7	0	138.0	822	23
Asgrow	AG27XF3 § ↗	RXF	2.7	R	60.6	8.6	0	130.0	803	24
NK Brand	NK25-C9XF § ↗	RXF	2.5	MR	60.4	7.6	0	122.0	800	25
Kruger	K2816XF ↗	RXF	2.8	R	60.1	8.6	0	130.0	796	26
Zinesto	Z2700E ↗	E3	2.7	R	59.9	8.4	0	99.3	794	27
FS HiSOY	HS 26E20 ↗	E3	2.6	R	59.4	7.7	0	122.0	787	28
Golden Harvest	GH2722XF § ↗	RXF	2.7	MR	59.0	8.4	0	122.0	782	29
FS HiSOY	HS 28F20 ↗	RXF,ST	2.8	R	58.1	8.6	0	138.0	770	30
CROPLAN	CP2520E CK	E3	2.5	R	67.3	7.7	0	108.3	892	4

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Averages = **63.9** **8.3** **125.2** **847**

LSD (0.10) = 3.1 0.3 ns

LSD (0.25) = 1.6 0.2 ns

C.V. = 4.5

Historic yield: 56.33 bu/a, 1 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$13.25

Report Date: 10/02/2022

† 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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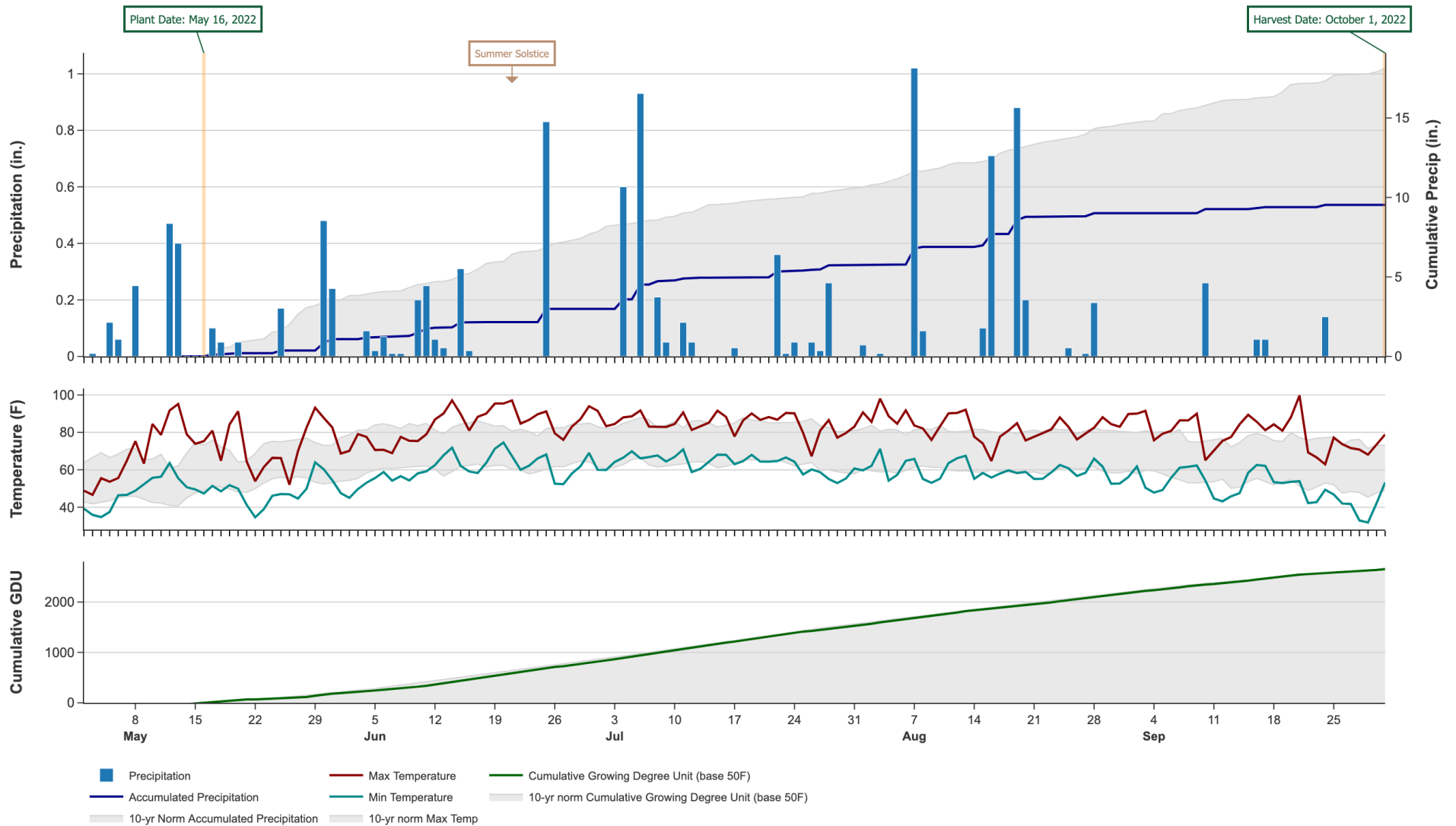
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2022 Soybeans - Iowa Northwest [IANW]

Weather Conditions Summary at SIOUX CENTER, IA

Weather Data Retrieved: 10/02/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	2.4 5.1 (-2.7)	1.9 4.2 (-2.3)	2.7 2.9 (-0.2)	3.3 4.0 (-0.7)	0.5 3.3 (-2.8)	0.0 0.2 (-0.2)	10.8 19.7 (-8.9)
GDU Normal (Diff)	335 324 (+10)	615 644 (-29)	725 727 (-2)	636 630 (+5)	479 455 (+23)	16 11 (+4)	2806 2794 (+11)



* 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 - Iowa Northwest [IANW]

Early-Season Test Products (35 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG20XF1 §	RXF	R	2.0	Untreated
Asgrow	AG24XF3 §	RXF	R	2.4	ACi
Croplan	CP2240XF GC	RXF	R	2.2	Untreated
Croplan	CP2520E CK	E3	R	2.5	Untreated
FS HiSOY	HS 21E20	E3	R	2.1	ACi,SA,B-200
FS HiSOY	HS 21F20	RXF	R	2.1	ACi,SA,B-200
FS HiSOY	HS 23E10	E3,ST	R	2.3	ACi,SA,B-200
FS HiSOY	HS 24F00	RXF,ST	R	2.4	ACi,SA,B-200
Golden Harvest	GH2083E3S	E3,ST	R	2.0	CMBV,SA
Golden Harvest	GH2292E3 §	E3	MR	2.2	CMBV,SA
Hoegemeyer	1903 E	E3	R	1.9	Lum,Lu,IL
Hoegemeyer	2123 E	E3	R	2.1	Lum,Lu,IL
Kruger	K1914XF	RXF	R	1.9	ACi,IL
Kruger	K2294XF	RXF	R	2.2	ACi,IL
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 2379 E3	E3	R	2.3	SS+,SA
NK Brand	NK19-D5XF §	RXF	R	1.9	CMBV,SA
NK Brand	NK19-T8E3S	E3,ST	R	1.9	CMBV,SA
NK Brand	NK23-T9XF	RXF	R	2.3	CMBV,SA
Pioneer	P18T91E GC	E3	R	1.8	Untreated
Pioneer	P20T64E §	E3	R	2.0	Untreated
Pioneer	P21T72E §	E3	R	2.1	Untreated
Stine	17EE32 §	E3	R	1.7	SFI
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 2323E	E3	R	2.3	PV,IL,OB,Rey
Xitavo	XO 2472E	E3,ST	R	2.4	PV,IL,OB,Rey
Zinesto	Z1902E	E3	NA	1.9	DST4
Zinesto	Z2101G	LLGT27	R	2.1	DST4
Zinesto	Z2303E	E3	R	2.3	DST4
Zinesto	Z2401E	E3	R	2.4	DST4

2022 Soybeans - Iowa Northwest [IANW]

Full-Season Test Products (30 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG26XF3 §	RXF	R	2.6	ACi,IL
Asgrow	AG27XF3 §	RXF	R	2.7	ACi,IL
Croplan	CP2520E CK	E3	R	2.5	Untreated
FS HiSOY	HS 26E20	E3	R	2.6	ACi,SA,B-200
FS HiSOY	HS 26F20	RXF	R	2.6	ACi,SA,B-200
FS HiSOY	HS 27F20	RXF	R	2.7	ACi,SA,B-200
FS HiSOY	HS 28F20	RXF,ST	R	2.8	ACi,SA,B-200
Golden Harvest	GH2653XF	RXF	R	2.6	CMBV,SA
Golden Harvest	GH2722XF §	RXF	MR	2.7	CMBV,SA
Hoegemeyer	2553 E	E3	R	2.5	Lum,Lu,IL
Hoegemeyer	2763 E	E3	R	2.7	Lum,Lu,IL
Hoegemeyer	2831 E GC	E3	R	2.8	Lum,Lu,IL
Kruger	K2594XF	RXF	R	2.5	ACi,IL
Kruger	K2604XF	RXF	R	2.6	ACi,IL
Kruger	K2793XF	RXF	R	2.7	ACi,IL
Kruger	K2816XF	RXF	R	2.8	ACi,IL
Latham	L 2638 E3	E3	R	2.6	SS+,SA
Latham	L 2786 XF	RXF	R	2.7	SS+,SA
Latham	L 2894 E3	E3	R	2.8	SS+,SA
NK Brand	NK25-C9XF §	RXF	MR	2.5	CMBV,SA
Pioneer	P26T23E §	E3	R	2.6	Untreated
Pioneer	P26T57E §	E3	R	2.6	Untreated
Stine	26EC32 §	E3	R	2.6	SFI
Stine	26EF23 §	E3	R	2.6	SFI
Xitavo	XO 2501E	E3	R	2.5	PV,IL,OB,Rey
Xitavo	XO 2613E	E3	R	2.6	PV,IL,OB,Rey
Xitavo	XO 2832E	E3	R	2.8	PV,IL,OB,Rey
Zinesto	Z2503E	E3	R	2.5	DST4
Zinesto	Z2603E	E3	R	2.6	DST4
Zinesto	Z2700E	E3	R	2.7	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	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ACi,SA,B-200	Acceleron® Standard Insecticide-Fungicide, Salstro®, B-200 SAT
CMBV,SA	Cruisermass® Beans, Vibrance®, Salstro®
DST4	Dominance 4 ST
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SA,A,R,G	Salstro, Allegiance FL, Redigo 480, Gaucho 600
SF1	Stine XP F&I
SS+,SA	SoyShield Plus, Salstro®
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.