

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

2023 Soybeans Top 30 Harvest Report

Iowa North [IANO] LU VERNE, IA
Bob Plathe, Kossuth County, IA 50560

Early-Season Test	Maturity Group 1.6 - 2.0 S2023IANO01a
Top 30 of 41	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Harness, Impact
SOIL DESCRIPTION:	Kossuth silty clay loam, well drained, non-irrigated
SOIL CONDITION:	high P, medium K, 5.7 pH, 4.2% OM, 25.3 CEC
TILLAGE/CULTIVATION:	Minimum W/ Fall Till
PEST MANAGEMENT:	Prowl H2o, Lexone, Dual, Roundup Power Max, Noventa, Outlook, Section Three
FERTILITY - Applied N:	2 tons/acre chicken litter also applied fall 2022
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 11 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 10 122.3 /A

TEST COMMENTS:

This area started with some very promising moisture during the spring. Some showers during the middle of May brought excessive rainfall that may not have completely soaked in. However, seedlings emerged well and resulted in good early-season plant vigor. About 4 weeks passed from mid-May through mid-June with just a few sprinkles here and there. Then 2.3" fell again June 25-26, and after a few more storms during early July, precipitation was back to near normal for the year. August and September were hot and dry and by the end of the season, this part of Kossuth county remained in severe drought. From planting through Oct 1, Bob's farm was 6.3" below the 10-yr average for rainfall. Plants stood well at harvest and there wasn't much to note for lodging here.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS HISOY	HS 18F20 ↗	RXF	1.8	R	69.7	9.2	1	125.0	878	1
Genesis	G1980E ↗	E3	1.9	R	69.0	9.7	1	127.3	869	2
Golden Harvest	GH2004XF § ↗	RXF	2.0	MR	67.5	9.3	1	122.7	850	3
NuTech	20N05E ↗	E3	2.0	R	67.5	9.6	1	127.3	850	4
Asgrow	AG18XF1 § ↗	RXF	1.8	R	67.0	9.4	1	125.0	844	5
NuTech	16N04E ↗	E3	1.6	R	66.7	9.2	1	124.7	840	6
FS HiSOY	HS 15E10 ↗	E3	1.5	R	66.2	9.4	1	122.7	834	7
NuTech	18N03E ↗	E3	1.8	R	65.1	9.4	2	110.3	820	8
P3 Genetics	2218E ↗	E3	1.8	R	64.5	9.4	1	117.3	813	9
Golden Harvest	GH1973E3S § ↗	E3,ST	1.9	R	63.2	9.4	1	117.3	796	10
FS HiSOY	HS 18E30 ↗	E3	1.8	R	63.0	9.7	1	124.7	794	11
Apex	AE1930 ↗	E3	1.9	R	62.4	9.5	2	130.0	786	12
Stine	20EG02 § ↗	E3	2.0	R	61.8	9.4	1	124.7	779	13
Cornelius	CB16XF21 ↗	RXF	1.6	R	61.4	9.2	1	122.3	774	14
Hefty	H18E3 ↗	E3	1.8	R	61.2	9.7	1	127.3	771	15
Zinesto	Z1702E ↗	E3	1.7	NA	61.2	9.1	1	115.3	771	16
Asgrow	AG19XF3 § ↗	RXF	1.9	R	59.7	9.6	1	117.3	752	17
Titan Pro	TP 18E22 GC ↗	E3	1.8	R	59.7	9.7	1	127.3	752	18
Titan Pro	TP 20E22 ↗	E3	2.0	R	59.7	9.7	1	125.0	752	19
Genesis	G1760E ↗	E3	1.7	R	59.1	10.0	1	125.0	745	20
Hefty	H20E3 ↗	E3	2.0	R	59.1	9.2	1	119.7	745	21
Jacobsen	J1942E3 ↗	E3	1.9	R	58.8	9.2	1	119.7	741	22
Xitavo	XO 1822E ↗	E3	1.8	R	58.6	9.1	4	125.0	738	23
P3 Genetics	2216E ↗	E3	1.6	R	58.5	9.6	4	117.7	737	24
Kruger	K1914XF ↗	RXF	1.9	R	58.2	9.4	1	120.0	733	25
Jacobsen	J1873E3 ↗	E3	1.8	R	57.8	9.6	2	127.3	728	26
Pioneer	P18A73E § ↗	E3	1.8	NA	57.5	9.6	1	122.3	724	27
Stine	19EG92 § ↗	E3	1.9	R	57.5	9.8	1	124.7	724	28
Xitavo	XO 1971E ↗	E3	1.9	R	56.6	9.4	1	130.0	713	30
Pioneer	P19A66E § ↗	E3	1.9	NA	54.9	9.5	1	127.3	692	31
CROPLAN	CP2123E CK	E3	2.1	MR	57.4	9.7	4	110.3	723	29
					Averages =	59.3	9.5	1	122.3	748
					LSD (0.10) =	4.6	ns	ns		
					LSD (0.25) =	2.4	ns	ns		
					C.V. =	7.4				
					Historic yield: 62.42 bu/a, 6 yr(s)					

Corey Rozenboom

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Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.0

Drying = \$0.02

Prices: GMO = \$12.60

Report Date: 10/10/2023

Revised: 10/23/2023 Corrected the test maturity range, no data changes.

Additional reports available at www.firstseedtests.com

† 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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Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
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Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 11 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 10 123.0 /A

TEST COMMENTS:

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Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS HISOY	HS 21E20 ↗	E3	2.1	R	69.0	9.3	1	124.7	869	1
Genesis	G2480E ↗	E3	2.4	R	67.5	9.2	1	122.7	850	2
Xitavo	XO 2282E ↗	E3	2.2	R	67.4	9.6	1	124.7	849	3
Genesis	G2570ES ↗	E3,ST	2.5	R	66.6	9.0	1	117.3	839	4
Stine	24FD32 § ↗	RXF	2.4	R	66.5	9.4	1	127.3	838	5
Kruger	K2294XF ↗	RXF	2.2	R	66.4	9.7	1	119.7	837	6
Zinesto	Z2202E ↗	E3	2.2	NA	66.0	8.9	1	124.7	832	7
P3 Genetics	2322E ↗	E3	2.2	R	65.9	9.7	1	122.7	830	8
Genesis	G2180E ↗	E3	2.1	R	65.2	9.4	1	127.3	822	9
Titan Pro	TP 25E22 ↗	E3	2.5	R	65.2	9.2	1	122.3	822	10
Pioneer	P21A53E § ↗	E3	2.1	NA	64.3	9.0	1	122.3	810	11
Zinesto	Z2303E ↗	E3	2.3	R	64.2	9.1	1	130.0	809	12
Xitavo	XO 2323E ↗	E3	2.3	R	63.4	9.4	1	122.3	799	13
Renk	RS214NXF ↗	RXF	2.1	R	63.3	9.4	1	124.7	798	14
Hoegemeyer	2254 E GC ↗	E3	2.2	R	62.4	9.2	1	122.3	786	15
Xitavo	XO 2181E ↗	E3	2.1	R	62.3	9.3	1	120.0	785	16
Cornelius	CB22XF52 ↗	RXF	2.2	R	61.4	9.5	1	125.0	774	17
FS HISOY	HS 24E30 ↗	E3	2.4	R	61.1	9.8	1	124.7	770	18
Kruger	K2115XF ↗	RXF	2.1	R	61.0	9.1	1	120.3	769	19
NuTech	24N05E ↗	E3	2.4	R	60.6	9.1	1	122.3	764	20
Asgrow	AG21XF2 § ↗	RXF	2.1	R	60.5	9.7	1	117.7	762	21
Stine	21EG32 § ↗	E3	2.1	R	60.0	9.9	1	124.7	756	22
Zinesto	Z2101E ↗	E3	2.1	R	60.0	9.2	1	127.3	756	23
Titan Pro	TP 22E23 ↗	E3	2.2	R	59.7	9.8	1	122.0	752	24
Xitavo	XO 2444E ↗	E3,ST	2.4	R	59.0	9.6	2	115.3	743	25
Golden Harvest	GH2292E3 § ↗	E3	2.2	MR	59.0	9.8	1	127.3	743	26
FS HISOY	HS 25E30 ↗	E3	2.5	R	58.9	9.7	1	122.3	742	27
Golden Harvest	GH2313XF § ↗	RXF	2.3	R	58.9	9.3	1	120.0	742	28
Asgrow	AG25XF3 § ↗	RXF	2.5	R	58.6	9.5	1	117.7	738	29
FS HISOY	HS 24F00 ↗	RXF,ST	2.4	R	57.1	9.9	1	127.3	719	30
CROPLAN	CP2123E CK	E3	2.1	MR	56.9	9.7	1	117.7	717	33
					Averages =	61.3	9.4	1	123.0	772
					LSD (0.10) =	4.4	ns	ns		
					LSD (0.25) =	2.3	ns	ns		
					C.V. =	6.8				
					Historic yield: 62.42 bu/a, 6 yr(s)					

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Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.0

Drying = \$0.02

Prices: GMO = \$12.60

Report Date: 10/10/2023

Revised: 10/23/2023 Corrected the test maturity range, no data changes.

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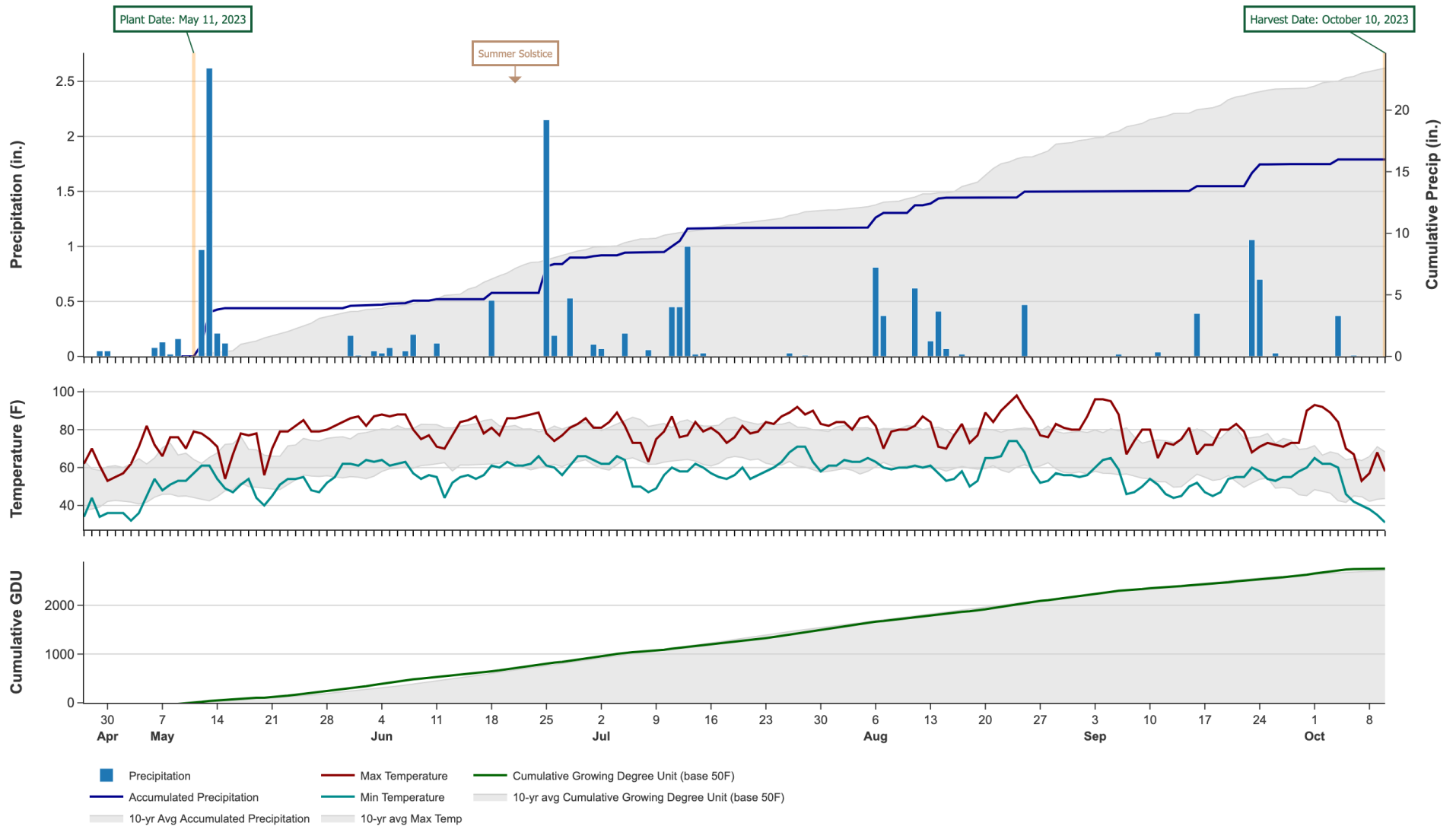
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2023 Soybeans - Iowa North [IANO]

Weather Conditions Summary at LU VERNE, IA

Weather Data Retrieved: 10/23/2023

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	0.1 0.6 (-0.5)	4.5 5.4 (-0.9)	3.9 5.0 (-1.1)	2.4 3.2 (-0.8)	2.9 5.5 (-2.6)	2.2 4.4 (-2.2)	0.4 1.6 (-1.2)	16.5 25.8 (-9.3)
GDU Avg (Diff)	10 12 (-2)	400 317 (+82)	618 628 (-10)	612 697 (-85)	640 619 (+20)	465 450 (+14)	123 85 (+37)	2868 2810 (+57)



* 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.

2023 Soybeans - Iowa North [IANO]

Early-Season Test Products (41 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE1930	E3	R	1.9	PU
Asgrow	AG18XF1 §	RXF	R	1.8	ACi,IL
Asgrow	AG19XF3 §	RXF	R	1.9	ACi,IL
Cornelius	CB16XF21	RXF	R	1.6	PG+
Cornelius	CB18XF88	RXF	R	1.8	PG+
Croplan	CP2123E CK	E3	MR	2.1	Untreated
FS HiSOY	HS 15E10	E3	R	1.5	ACi,SA
FS HiSOY	HS 15F30	RXF	R	1.5	ACi,SA
FS HiSOY	HS 18E30	E3	R	1.8	ACi,SA
FS HiSOY	HS 18F20	RXF	R	1.8	ACi,SA
Genesis	G1760E	E3	R	1.7	EcQ,NF,NH,SA
Genesis	G1950E	E3	R	1.9	EcQ,NF,NH,SA
Genesis	G1980E	E3	R	1.9	EcQ,NF,NH,SA
Golden Harvest	GH1973E3S §	E3,ST	R	1.9	CMB-APX,SA
Golden Harvest	GH2004XF §	RXF	MR	2.0	CMB-APX,SA
Hefty	H18E3	E3	R	1.8	DST5
Hefty	H20E3	E3	R	2.0	DST5
Jacobsen	J1873E3	E3	R	1.8	Treated
Jacobsen	J1942E3	E3	R	1.9	Treated
Kruger	K1804XF	RXF	R	1.8	ACi,IL
Kruger	K1914XF	RXF	R	1.9	ACi,IL
NuTech	16N04E	E3	R	1.6	Lum,Lu,IL
NuTech	18N03E	E3	R	1.8	Lum,Lu,Lud,IL
NuTech	20N05E	E3	R	2.0	Lum,Lu,Lud,IL
P3 Genetics	2216E	E3	R	1.6	PG+
P3 Genetics	2218E	E3	R	1.8	PG+
P3 Genetics	2320E	E3	R	2.0	PG+
Pioneer	P18A73E §	E3	NA	1.8	Untreated
Pioneer	P19A66E §	E3	NA	1.9	Untreated
Stine	19EG92 §	E3	R	1.9	ACi
Stine	20EG02 §	E3	R	2.0	ACi
Titan Pro	TP 18E22 GC	E3	R	1.8	Untreated
Titan Pro	TP 20E22	E3	R	2.0	SA,A,R,TU
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	Z1702E	E3	NA	1.7	DST5
Zinesto	Z1802E	E3	NA	1.8	DST5
Zinesto	Z1902E	E3	NA	1.9	DST5
Zinesto	Z2002E	E3	NA	2.0	DST5

2023 Soybeans - Iowa North [IANO]

Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE2130	E3	MR	2.1	PU
Asgrow	AG21XF2 §	RXF	R	2.1	ACi,IL
Asgrow	AG25XF3 §	RXF	R	2.5	ACi,IL
Cornelius	CB22XF52	RXF	R	2.2	PG+
Croplan	CP2123E CK	E3	MR	2.1	Untreated
FS HiSOY	HS 21E20	E3	R	2.1	ACi,SA
FS HiSOY	HS 24E30	E3	R	2.4	ACi,SA
FS HiSOY	HS 24F00	RXF,ST	R	2.4	ACi,SA
FS HiSOY	HS 25E30	E3	R	2.5	ACi,SA
Genesis	G2180E	E3	R	2.1	EcQ,NF,NH,SA
Genesis	G2480E	E3	R	2.4	EcQ,NF,NH,SA
Genesis	G2550E	E3	R	2.5	EcQ,NF,NH,SA
Genesis	G2570ES	E3,ST	R	2.5	EcQ,NF,NH,SA
Golden Harvest	GH2292E3 §	E3	MR	2.2	CMB-APX,SA
Golden Harvest	GH2313XF §	RXF	R	2.3	CMB-APX,SA
Hoegemeyer	2254 E GC	E3	R	2.2	Lum, LumT, IL
Kruger	K2115XF	RXF	R	2.1	ACi,IL
Kruger	K2294XF	RXF	R	2.2	ACi,IL
NuTech	22N03E	E3	R	2.2	Lum,Lu,Lud,IL
NuTech	24N05E	E3	R	2.4	Lum,Lu,IL
NuTech	25N04E	E3	R	2.5	Lum,Lu,IL
P3 Genetics	2322E	E3	R	2.2	PG+
Pioneer	P21A53E §	E3	NA	2.1	Untreated
Renk	RS214NXF	RXF	R	2.1	Treated
Stine	21EG32 §	E3	R	2.1	ACi
Stine	24FD32 §	RXF	R	2.4	ACi
Titan Pro	TP 22E23	E3	R	2.2	SA,A,R,TU
Titan Pro	TP 25E22	E3	R	2.5	SA,A,R,TU
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
Xitavo	XO 2444E	E3,ST	R	2.4	PV,IL,OB,Rey
Zinesto	Z2101E	E3	R	2.1	DST5
Zinesto	Z2202E	E3	NA	2.2	DST5
Zinesto	Z2303E	E3	R	2.3	DST5
Zinesto	Z2401E	E3	R	2.4	DST5

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®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ACi,SA	Acceleron® Standard Insecticide-Fungicide, Saltro®
CMB-APX,SA	CruiserMaxx® APX with Saltro®
DST5	Dominance 5 ST
EcQ,NF,NH,SA	Eclipse US Total Quad-R, N-Force, N-Hibit, Saltro
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Lum,Lu,Lud,IL	LumiGEN™, Luminesa, Lumiderm, ILeVO
PG+	Profit Guard +
PU	Protect Ultra
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SA,A,R,TU	Saltro, AllegianceFL, Redigo480, TriUp
Treated	Treated, unspecified
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.