

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

2022 Soybeans Top 30 Harvest Report

Iowa North Central [IANC] IOWA FALLS, IA
Landon Aldinger, Hardin County, IA

Early-Season Test	Maturity Group 2.1 - 2.5 S2022IANC03a
Top 30 of 34	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Surestart2, Callisto Xtra
SOIL DESCRIPTION:	Webster - Clarion loam, well drained, non-irrigated
SOIL CONDITION:	very high P, high K, 7.1 pH, 4.2% OM, 19.3 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Sonic, Liberty, Outlook, Veltyma, Declare
Applied N-P-K (units):	0-75-108
SEEDED - RATE - ROW:	May 21 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 15 131.5 /A

TEST COMMENTS:

We planted into a nice tilled seed bed right before a couple nights of very low temperatures and 2.2" of rain came into the area. Soil temps remained cool for a week following planting. Seeds were slower to emerge but the overall germination rate was still above 90% and stands appeared to be relatively uniform. This part of north central Iowa was able to experience regular showers through mid-June as flowering began, and was near the 10-yr average of precipitation through the last week of August thanks to a big event on Aug 28 that provided nearly 2.25". Plants were protected with fungicide at about R3 and were standing well at harvest.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Titan Pro	TP 25E22 ↗	E3	2.5	R	78.1	10.2	0	138.0	1035	1
Stine	22EF23 § ↗	E3	2.2	R	77.1	10.1	0	130.0	1022	2
Asgrow	AG21XF2 § ↗	RXF	2.1	R	75.9	10.2	0	138.0	1006	3
FS HiSOY	HS 25E00 ↗	E3	2.5	R	74.9	10.1	5	138.0	992	5
NK Brand	NK25-C9XF § ↗	RXF	2.5	MR	74.1	10.0	0	130.0	982	6
Golden Harvest	GH2292E3 § ↗	E3	2.2	MR	73.8	10.0	0	138.0	978	7
FS HiSOY	HS 23E10 ↗	E3,ST	2.3	R	73.4	10.3	0	114.7	973	8
NuTech	24N04E ↗	E3	2.4	R	72.5	10.2	0	138.0	961	9
Genesis	G2570ES ↗	E3,ST	2.5	R	72.4	10.1	3	138.0	959	10
Hoegemeyer	2553 E ↗	E3	2.5	R	72.4	10.3	0	138.0	959	11
Xitavo	XO 2282E ↗	E3	2.2	R	71.7	10.1	0	138.0	950	12
NK Brand	NK23-T9XF ↗	RXF	2.3	R	71.4	10.2	0	138.0	946	13
Latham	L 2193 E3 ↗	E3	2.1	R	70.8	10.1	5	122.0	938	14
Stine	23EE06 § ↗	E3	2.3	S	70.8	10.4	0	138.0	938	15
Xitavo	XO 2501E ↗	E3	2.5	R	70.5	10.1	0	122.7	934	16
Latham	L 2283 XF ↗	RXF	2.2	R	69.4	10.2	0	130.0	920	17
FS HiSOY	HS 25F10 ↗	RXF,ST	2.5	R	69.3	10.2	0	130.0	918	18
Genesis	G2550E ↗	E3	2.5	R	69.3	10.3	16	114.7	918	19
Kruger	K2594XF ↗	RXF	2.5	R	68.6	10.3	5	138.0	909	20
Cornelius	CB25XF99 ↗	RXF	2.5	R	67.9	10.2	0	138.0	900	21
Xitavo	XO 2323E ↗	E3	2.3	R	67.6	10.1	0	130.0	896	22
NuTech	21N07E ↗	E3	2.1	R	67.5	10.2	0	130.0	894	23
NK Brand	NK20-B6E3S ↗	E3,ST	2.0	R	67.3	10.2	5	138.0	892	24
Latham	L 2458 E3 ↗	E3	2.4	R	66.8	10.3	0	130.0	885	25
Golden Harvest	GH2313XF ↗	RXF	2.3	R	66.7	10.2	0	107.3	884	26
Kruger	K2294XF ↗	RXF	2.2	R	66.5	10.3	0	122.0	881	27
Latham	L 2494 XF ↗	RXF	2.4	R	66.2	10.2	0	122.7	877	28
Hoegemeyer	2123 E ↗	E3	2.1	R	66.0	10.3	0	138.0	874	29
P3 Genetics	2223E ↗	E3	2.3	R	66.0	10.4	0	130.0	874	30
NuTech	25N04E ↗	E3	2.5	R	64.9	10.1	0	130.0	860	31
CROPLAN	CP2520E CK	E3	2.5	R	75.3	10.1	0	130.0	998	4
					Averages =	69.8	10.2	2	131.5	925
					LSD (0.10) =	3.6	0.1	ns		
					LSD (0.25) =	1.9	0.1	ns		
					C.V. =	4.9				
					Historic yield: 57.44 bu/a, 20 yr(s)					

Corey Rozenboom

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Yield & Income Factors:

Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$13.25

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

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2022 Soybeans Top 30 Harvest Report

Iowa North Central [IANC] IOWA FALLS, IA
Landon Aldinger, Hardin County, IA

Full-Season Test	Maturity Group 2.6 - 2.9 S2022IANC03b
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Surestart2, Callisto Xtra
SOIL DESCRIPTION:	Webster - Clarion loam, well drained, non-irrigated
SOIL CONDITION:	very high P, high K, 7.1 pH, 4.2% OM, 19.3 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Sonic, Liberty, Outlook, Veltyma, Declare
Applied N-P-K (units):	0-75-108
SEEDED - RATE - ROW:	May 21 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 15 134.1 /A

TEST COMMENTS:

We planted into a nice tilled seed bed right before a couple nights of very low temperatures and 2.2" of rain came into the area. Soil temps remained cool for a week following planting. Seeds were slower to emerge but the overall germination rate was still above 90% and stands appeared to be relatively uniform. This part of north central Iowa was able to experience regular showers through mid-June as flowering began, and was near the 10-yr average of precipitation through the last week of August thanks to a big event on Aug 28 that provided nearly 2.25". Plants were protected with fungicide at about R3 and were standing well at harvest.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Pioneer	P26T23E § ↗	E3	2.6	R	75.0	10.2	0	138.0	994	1
Asgrow	AG28XF3 § ↗	RXF	2.8	R	74.5	10.1	0	138.0	987	2
Xitavo	XO 2921E ↗	E3	2.9	R	74.4	10.6	0	138.0	986	3
Golden Harvest	GH2653XF § ↗	RXF	2.6	R	72.8	10.3	0	130.0	965	4
Pioneer	P29T37E § ↗	E3	2.9	NA	72.4	10.2	8	130.0	959	5
NuTech	27N03E ↗	E3	2.7	R	71.9	10.2	0	138.0	953	6
Hoegemeyer	2831 E § ↗	E3	2.8	R	71.4	10.3	0	138.0	946	7
Xitavo	XO 2963E ↗	E3	2.9	R	71.3	10.6	0	138.0	945	8
Latham	L 2894 E3 ↗	E3	2.8	R	71.2	10.3	0	130.0	943	9
NuTech	29N02E ↗	E3	2.9	R	70.6	10.3	5	138.0	935	10
Asgrow	AG27XF3 § ↗	RXF	2.7	R	70.5	10.5	0	138.0	934	11
Cornelius	CB29XF35 ↗	RXF	2.9	S	69.7	10.3	11	130.0	924	12
P3 Genetics	1928E GC ↗	E3	2.8	R	69.6	10.3	0	138.0	922	13
P3 Genetics	2229E ↗	E3	2.9	R	69.4	10.3	0	138.0	920	14
Zinesto	Z2603E ↗	E3	2.6	R	68.8	10.2	0	130.0	912	15
P3 Genetics	2326E ↗	E3	2.6	R	68.8	10.3	5	138.0	912	16
Zinesto	Z2700E ↗	E3	2.7	R	68.5	10.2	3	114.0	908	17
NK Brand	NK29-Z4E3 § ↗	E3	2.9	R	68.3	10.3	0	122.7	905	18
Hoegemeyer	2763 E ↗	E3	2.7	R	68.2	10.3	0	130.0	904	19
Kruger	K2604XF ↗	RXF	2.6	R	67.7	10.1	0	122.7	897	20
NuTech	26N06E ↗	E3	2.6	R	67.5	10.3	0	138.0	894	21
FS HISOY	HS 26E20 ↗	E3	2.6	R	67.5	10.3	0	138.0	894	22
Latham	L 2638 E3 ↗	E3	2.6	R	67.5	10.2	0	138.0	894	23
Xitavo	XO 2832E ↗	E3	2.8	R	66.7	10.4	0	138.0	884	24
Genesis	G2960E ↗	E3	2.9	R	66.6	10.5	0	138.0	882	25
Renk	RS2-271E ↗	E3	2.7	R	66.4	10.3	0	138.0	880	26
Stine	26EF23 § ↗	E3	2.6	R	65.6	10.4	0	138.0	869	27
Latham	L 2786 XF ↗	RXF	2.7	R	63.8	10.2	0	138.0	845	29
Golden Harvest	GH2922E3 ↗	E3	2.9	R	63.5	10.2	0	138.0	841	30
Pioneer	P26T57E § ↗	E3	2.6	R	62.6	10.2	0	122.7	829	31
CROPLAN	CP2520E CK	E3	2.5	R	65.3	10.3	0	138.0	865	28

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Averages = **66.4** **10.3** **1** **134.1** **880**

LSD (0.10) = 4.3 0.1 ns

LSD (0.25) = 2.3 0.1 ns

C.V. = 6.1 Historic yield: 57.44 bu/a, 20 yr(s)

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

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

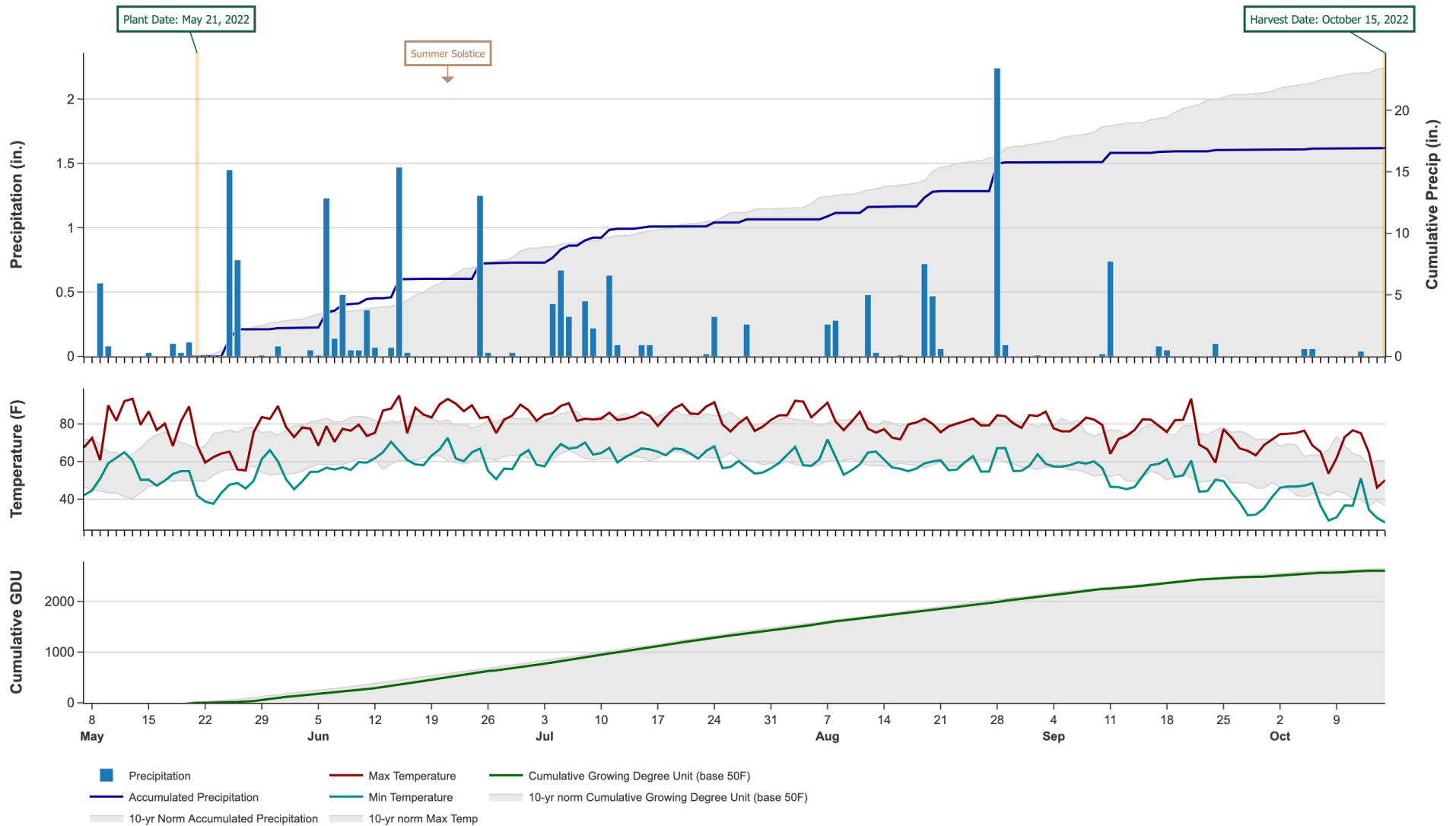
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2022 Soybeans - Iowa North Central [IANC]

Weather Conditions Summary at IOWA FALLS, IA

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	3.2 4.7 (-1.4)	5.3 5.7 (-0.4)	3.5 3.5 (+0.1)	4.6 5.1 (-0.5)	1.0 4.3 (-3.3)	0.2 2.0 (-1.8)	17.9 25.3 (-7.4)
GDU Normal (Diff)	343 291 (+51)	600 619 (-19)	716 706 (+9)	628 620 (+7)	440 443 (-3)	116 106 (+9)	2843 2788 (+54)



* 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 North Central [IANC]

Early-Season Test Products (34 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG21XF2 §	RXF	R	2.1	ACi,IL
Asgrow	AG24XF3 §	RXF	R	2.4	ACi
Cornelius	CB25XF99	RXF	R	2.5	PG+
Croplan	CP2520E CK	E3	R	2.5	Untreated
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
FS HiSOY	HS 25E00	E3	R	2.5	ACi,SA,B-200
FS HiSOY	HS 25F10	RXF,ST	R	2.5	ACi,SA,B-200
Genesis	G2550E	E3	R	2.5	EcTC,SA
Genesis	G2570ES	E3,ST	R	2.5	EcTC,SA
Golden Harvest	GH2292E3 §	E3	MR	2.2	CMBV,SA
Golden Harvest	GH2313XF	RXF	R	2.3	CMBV,SA
Hoegemeyer	2123 E	E3	R	2.1	Lum,Lu,IL
Hoegemeyer	2553 E	E3	R	2.5	Lum,Lu,IL
Kruger	K2294XF	RXF	R	2.2	ACi,IL
Kruger	K2594XF	RXF	R	2.5	ACi,IL
Latham	L 2193 E3	E3	R	2.1	SS+,SA
Latham	L 2283 XF	RXF	R	2.2	SS+,SA
Latham	L 2458 E3	E3	R	2.4	SS+,SA
Latham	L 2494 XF	RXF	R	2.4	SS+,SA
NK Brand	NK20-B6E3S	E3,ST	R	2.0	CMBV,SA
NK Brand	NK23-T9XF	RXF	R	2.3	CMBV,SA
NK Brand	NK25-C9XF §	RXF	MR	2.5	CMBV,SA
NuTech	21N07E	E3	R	2.1	Lum,Lu,IL
NuTech	24N04E	E3	R	2.4	Lum,Lu,IL
NuTech	25N04E	E3	R	2.5	Lum,Lu,IL
P3 Genetics	2223E	E3	R	2.3	PG+
Stine	22EF23 §	E3	R	2.2	SFI
Stine	23EE06 §	E3	S	2.3	NA
Titan Pro	TP 25E22	E3	R	2.5	SA,A,R,G
Xitavo	XO 2282E	E3	R	2.2	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
Xitavo	XO 2501E	E3	R	2.5	PV,IL,OB,Rey

2022 Soybeans - Iowa North Central [IANC]

Full-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG27XF3 §	RXF	R	2.7	ACi,IL
Asgrow	AG28XF3 §	RXF	R	2.8	ACi,IL
Cornelius	CB27XF34	RXF	R	2.7	PG+
Cornelius	CB29XF35	RXF	S	2.9	PG+
Croplan	CP2520E CK	E3	R	2.5	Untreated
Federal	F2830N GC	RXF	R	2.8	Treated
Federal	F2930N GC	RXF	R	2.9	Treated
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 28F20	RXF,ST	R	2.8	ACi,SA,B-200
FS HiSOY	HS 29F10	RXF	R	2.9	ACi,SA,B-200
Genesis	G2960E	E3	R	2.9	EcTC,SA
Golden Harvest	GH2653XF §	RXF	R	2.6	CMBV,SA
Golden Harvest	GH2922E3	E3	R	2.9	CMBV,SA
Hoegemeyer	2763 E	E3	R	2.7	Lum,Lu,IL
Hoegemeyer	2831 E §	E3	R	2.8	Lum,Lu,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	NK29-Z4E3 §	E3	R	2.9	CMBV,SA
NuTech	26N06E	E3	R	2.6	Lum,Lu,IL
NuTech	27N03E	E3	R	2.7	Lum,Lu,IL
NuTech	29N02E	E3	R	2.9	Lum,Lu,IL
P3 Genetics	1928E GC	E3	R	2.8	PG+
P3 Genetics	2229E	E3	R	2.9	PG+
P3 Genetics	2326E	E3	R	2.6	PG+
Pioneer	P26T23E §	E3	R	2.6	Untreated
Pioneer	P26T57E §	E3	R	2.6	Untreated
Pioneer	P29T37E §	E3	NA	2.9	Untreated
Renk	RS2-271E	E3	R	2.7	EcTC,SA
Stine	26EC32 §	E3	R	2.6	SFI
Stine	26EF23 §	E3	R	2.6	SFI
Xitavo	XO 2613E	E3	R	2.6	PV,IL,OB,Rey
Xitavo	XO 2832E	E3	R	2.8	PV,IL,OB,Rey
Xitavo	XO 2921E	E3	R	2.9	PV,IL,OB,Rey
Xitavo	XO 2963E	E3	R	2.9	PV,IL,OB,Rey
Zinesto	Z2603E	E3	R	2.6	DST4
Zinesto	Z2700E	E3	R	2.7	DST4
Zinesto	Z2902E	E3	NA	2.9	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
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
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Salstro®
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PG+	Profit Guard +
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SA,A,R,G	Salstro, 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.