

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

2022 Soybeans Top 30 Harvest Report

Iowa North [IANO] BRITT, IA

Donald Kirsch, Hancock County, IA 50483

Early-Season Test	Maturity Group 1.6 - 2.0 S2022IANO02a
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Balance Flex, Atrazine, Impact
SOIL DESCRIPTION:	Harcot clay loam, well drained, non-irrigated
SOIL CONDITION:	very low P, medium K, 7.8 pH, 5.4% OM, 30.5 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Authority Supreme, Warrant, Clethodim, Delaro Complete
Applied N-P-K (units):	0-49-94
SEEDED - RATE - ROW:	May 21 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 11 132.9 /A

TEST COMMENTS:

We planted into a nice tilled seed bed a day before a couple of nights of very low temperatures 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 3rd week of August thanks to a big event on Aug 7 that provided nearly 2". 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
Asgrow	AG19XF3 § ↗	RXF	1.9	R	78.2	8.3	0	130.0	1036	1
NK Brand	NK19-T8E3S ↗	E3,ST	1.9	R	76.4	8.5	0	138.0	1012	2
P3 Genetics	2320E ↗	E3	2.0	R	75.4	8.5	0	122.0	999	3
Stine	17EE32 § ↗	E3	1.7	R	74.8	8.5	0	138.0	991	4
P3 Genetics	2218E ↗	E3	1.8	R	74.0	8.5	0	138.0	980	5
Titan Pro	TP 20E22 ↗	E3	2.0	R	73.9	8.5	0	130.0	979	6
Latham	L 1947 E3 ↗	E3	1.9	R	73.5	8.5	0	130.0	974	7
Xitavo	XO 1822E ↗	E3	1.8	R	72.8	8.5	0	138.0	965	8
Latham	L 1784 XF ↗	RXF	1.7	R	72.7	8.5	0	130.0	963	9
Apex	AE1630 GC ↗	E3	1.6	R	72.2	8.5	0	138.0	957	10
Xitavo	XO 1761E ↗	E3	1.7	R	71.8	8.3	0	130.0	951	11
Cornelius	CB18XF88 ↗	RXF	1.8	R	71.3	8.4	0	130.0	945	12
FS HiSOY	HS 15E10 ↗	E3	1.5	R	71.0	8.5	0	138.0	941	13
NuTech	16N04E ↗	E3	1.6	R	70.6	8.4	0	138.0	935	14
NK Brand	NK20-B6E3S ↗	E3,ST	2.0	R	70.5	8.5	0	138.0	934	15
Asgrow	AG18XF1 § ↗	RXF	1.8	R	70.5	8.5	0	138.0	934	16
NK Brand	NK19-D5XF § ↗	RXF	1.9	R	70.3	8.4	0	138.0	931	17
Latham	L 2049 E3 ↗	E3	2.0	R	70.2	8.4	0	130.0	930	18
Kruger	K1804XF ↗	RXF	1.8	R	70.2	8.4	0	138.0	930	19
Golden Harvest	GH2083E3S § ↗	E3,ST	2.0	R	70.1	8.5	5	138.0	929	20
Xitavo	XO 1971E ↗	E3	1.9	R	69.8	8.4	0	122.0	925	21
Stine	15EE32 § ↗	E3	1.5	R	69.6	8.6	0	130.0	922	22
Apex	AE1930 GC ↗	E3	1.9	R	69.5	8.4	0	130.0	921	23
Kruger	K1914XF ↗	RXF	1.9	R	69.4	8.3	0	130.0	920	24
Xitavo	XO 1632E ↗	E3	1.6	R	69.3	8.5	0	130.0	918	25
FS HiSOY	HS 16F10 ↗	RXF	1.6	R	68.9	8.5	0	122.0	913	26
NuTech	19N03E ↗	E3	1.9	R	68.6	8.4	0	138.0	909	27
Zinesto	Z2002E ↗	E3	2.0	NA	66.9	8.4	0	138.0	886	29
FS HiSOY	HS 18F20 ↗	RXF	1.8	R	66.7	8.5	0	122.7	884	30
Golden Harvest	GH1973E3S ↗	E3,ST	1.9	R	66.7	8.5	0	130.0	884	31
CROPLAN	CP2240XF CK	RXF	2.2	R	67.0	8.5	0	122.0	888	28
					Averages =	69.0	8.4	0	132.9	914
					LSD (0.10) =	3.9	0.1	ns		
					LSD (0.25) =	2.0	0.0	ns		
					C.V. =	5.3				
					Historic yield: 63.11 bu/a, 2 yr(s)					

Corey Rozenboom

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: 10/11/2022

† 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 [IANO] BRITT, IA

Donald Kirsch, Hancock County, IA 50483

Full-Season Test	Maturity Group 2.1 - 2.5 S2022IANO02b
Top 30 of 40	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Balance Flex, Atrazine, Impact
SOIL DESCRIPTION:	Harcot clay loam, well drained, non-irrigated
SOIL CONDITION:	very low P, medium K, 7.8 pH, 5.4% OM, 30.5 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Authority Supreme, Warrant, Clethodim, Delaro Complete
Applied N-P-K (units):	0-49-94
SEEDED - RATE - ROW:	May 21 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 11 129.4 /A

TEST COMMENTS:

We planted into a nice tilled seed bed a day before a couple of nights of very low temperatures 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 3rd week of August thanks to a big event on Aug 7 that provided nearly 2". 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
Genesis	G2550E ↗	E3	2.5	R	77.1	8.6	8	138.0	1022	1
FS HiSOY	HS 25E00 ↗	E3	2.5	R	76.7	8.6	13	138.0	1016	2
NK Brand	NK23-T9XF § ↗	RXF	2.3	R	75.6	8.5	5	114.0	1002	3
Titan Pro	TP 25E22 ↗	E3	2.5	R	75.3	8.6	32	138.0	998	4
Xitavo	XO 2472E ↗	E3,ST	2.4	R	74.3	8.7	8	122.0	984	5
Zinesto	Z2401E ↗	E3	2.4	R	71.2	8.9	14	122.0	943	6
Croplan	CP2520E GC ↗	E3	2.5	R	70.9	8.6	8	138.0	939	7
Genesis	G2270E ↗	E3	2.2	R	70.2	8.5	0	138.0	930	8
Latham	L 2193 E3 ↗	E3	2.1	R	70.0	8.5	0	122.0	928	9
Xitavo	XO 2181E ↗	E3	2.1	R	69.2	8.5	0	130.0	917	10
FS HiSOY	HS 21E20 ↗	E3	2.1	R	69.1	8.5	0	122.0	916	11
Asgrow	AG24XF3 § ↗	RXF	2.4	R	69.0	8.6	0	138.0	914	12
Golden Harvest	GH2102XF ↗	RXF	2.1	MR	68.7	8.5	0	138.0	910	13
Xitavo	XO 2282E ↗	E3	2.2	R	68.5	8.5	0	138.0	908	14
NuTech	25N04E ↗	E3	2.5	R	68.4	8.9	0	138.0	906	15
P3 Genetics	2223E ↗	E3	2.3	R	67.9	8.5	0	130.0	900	16
Stine	23EE06 § ↗	E3	2.3	S	67.7	8.5	0	114.0	897	17
Cornelius	CB21XF34 ↗	RXF	2.1	R	67.1	8.4	0	130.0	889	18
Genesis	G2570ES ↗	E3,ST	2.5	R	66.9	8.6	0	138.0	886	19
Zinesto	Z2503E ↗	E3	2.5	R	66.8	8.6	0	130.0	885	20
Asgrow	AG21XF2 § ↗	RXF	2.1	R	66.7	8.5	0	138.0	884	21
NuTech	24N04E ↗	E3	2.4	R	66.0	8.5	0	138.0	874	22
Kruger	K2594XF ↗	RXF	2.5	R	65.9	8.7	0	130.0	873	23
Stine	22EF23 § ↗	E3	2.2	R	65.6	8.6	11	138.0	869	24
Latham	L 2283 XF ↗	RXF	2.2	R	65.6	8.6	0	122.0	869	25
Xitavo	XO 2323E ↗	E3	2.3	R	65.6	8.6	0	138.0	869	26
FS HiSOY	HS 24F00 ↗	RXF,ST	2.4	R	65.1	8.8	0	138.0	863	27
Golden Harvest	GH2292E3 § ↗	E3	2.2	MR	64.4	8.3	0	122.0	853	29
Zinesto	Z2303E ↗	E3	2.3	R	64.0	8.5	0	114.0	848	30
Pioneer	P21T72E § ↗	E3	2.1	R	63.4	8.4	0	122.0	840	31
CROPLAN	CP2240XF CK	RXF	2.2	R	64.6	8.5	0	130.0	856	28
					Averages =	66.9	8.6	3	129.4	886
					LSD (0.10) =	3.5	0.1	6		
					LSD (0.25) =	1.8	0.1	3		
					C.V. =	4.9				
					Historic yield: 63.11 bu/a, 2 yr(s)					

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Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.0

Drying = \$0.02

Prices: GMO = \$13.25

Report Date: 10/11/2022

† 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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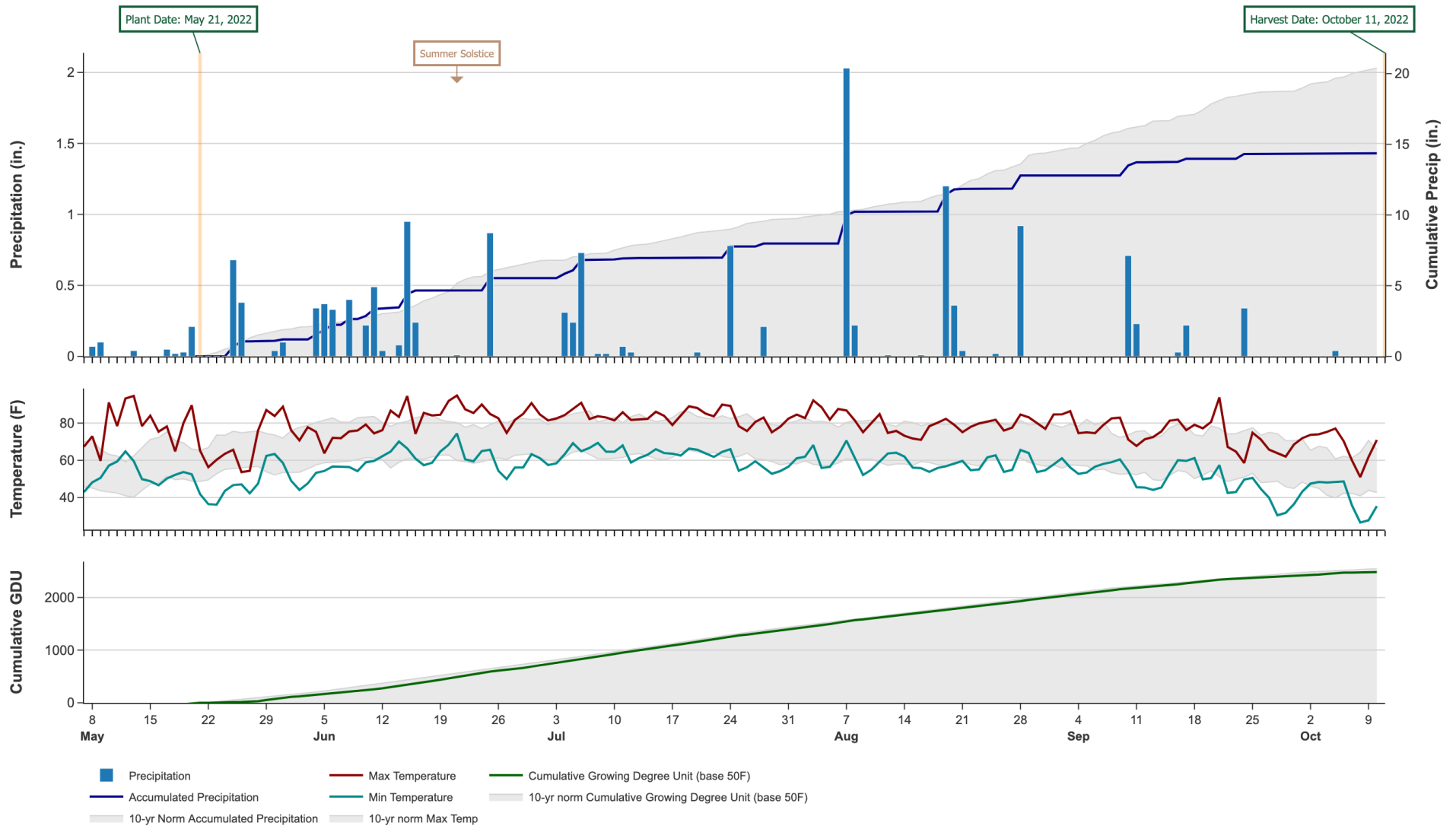
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2022 Soybeans - Iowa North [IANO]

Weather Conditions Summary at BRITT, IA

Weather Data Retrieved: 10/11/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	1.7 4.3 (-2.6)	4.3 4.7 (-0.4)	2.4 3.1 (-0.7)	4.8 4.6 (+0.2)	1.5 4.4 (-2.8)	0.0 1.6 (-1.6)	14.9 22.8 (-7.9)
GDU Normal (Diff)	324 269 (+54)	588 607 (-19)	695 689 (+5)	603 601 (+1)	414 429 (-15)	82 78 (+3)	2706 2676 (+29)



* 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 [IANO]

Early-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE1630 GC	E3	R	1.6	Treated
Apex	AE1710 GC	E3	R	1.7	Treated
Apex	AE1930 GC	E3	R	1.9	Treated
Asgrow	AG18XF1 §	RXF	R	1.8	ACi,IL
Asgrow	AG19XF3 §	RXF	R	1.9	ACi,IL
Asgrow	AG20XF1 GC	RXF	R	2.0	Untreated
Cornelius	CB18XF88	RXF	R	1.8	PG+
Croplan	CP2240XF CK	RXF	R	2.2	Untreated
FS HiSOY	HS 15E10	E3	R	1.5	ACi,SA,B-200
FS HiSOY	HS 16F10	RXF	R	1.6	ACi,SA,B-200
FS HiSOY	HS 18E00	E3	R	1.8	ACi,SA,B-200
FS HiSOY	HS 18F20	RXF	R	1.8	ACi,SA,B-200
Genesis	G1970E	E3	R	1.9	EcTC,SA
Golden Harvest	GH1973E3S	E3,ST	R	1.9	CMBV,SA
Golden Harvest	GH2083E3S §	E3,ST	R	2.0	CMBV,SA
Kruger	K1804XF	RXF	R	1.8	ACi,IL
Kruger	K1914XF	RXF	R	1.9	ACi,IL
Latham	L 1758 E3	E3	R	1.7	SS+,SA
Latham	L 1784 XF	RXF	R	1.7	SS+,SA
Latham	L 1947 E3	E3	R	1.9	SS+,SA
Latham	L 2049 E3	E3	R	2.0	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	NK20-B6E3S	E3,ST	R	2.0	CMBV,SA
NuTech	16N04E	E3	R	1.6	Lum,Lu,IL
NuTech	19N03E	E3	R	1.9	Lum,Lu,IL
P3 Genetics	2218E	E3	R	1.8	PG+
P3 Genetics	2320E	E3	R	2.0	PG+
Pioneer	P18T91E §	E3	R	1.8	Untreated
Pioneer	P20T64E §	E3	R	2.0	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
Titan Pro	TP 20E22	E3	R	2.0	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
Xitavo	XO 1971E	E3	R	1.9	PV,IL,OB,Rey
Zinesto	Z1603E	E3	R	1.6	DST4
Zinesto	Z1702E	E3	NA	1.7	DST4
Zinesto	Z1902E	E3	NA	1.9	DST4
Zinesto	Z2002E	E3	NA	2.0	DST4

2022 Soybeans - Iowa North [IANO]

Full-Season Test Products (40 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	CB21XF34	RXF	R	2.1	PG+
Cornelius	CB23XF63	RXF	R	2.3	PG+
Croplan	CP2240XF CK	RXF	R	2.2	Untreated
Croplan	CP2520E GC	E3	R	2.5	Untreated
FS HiSOY	HS 21E20	E3	R	2.1	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	G2150E	E3	R	2.1	EcTC,SA
Genesis	G2270E	E3	R	2.2	EcTC,SA
Genesis	G2550E	E3	R	2.5	EcTC,SA
Genesis	G2570ES	E3,ST	R	2.5	EcTC,SA
Golden Harvest	GH2102XF	RXF	MR	2.1	CMBV,SA
Golden Harvest	GH2292E3 §	E3	MR	2.2	CMBV,SA
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 2379 E3	E3	R	2.3	SS+,SA
Latham	L 2494 XF	RXF	R	2.4	SS+,SA
NK Brand	NK23-T9XF §	RXF	R	2.3	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+
Pioneer	P21T72E §	E3	R	2.1	Untreated
Pioneer	P22T86E §	E3	R	2.2	Untreated
Stine	22EF23 §	E3	R	2.2	SFI
Stine	23EE06 §	E3	S	2.3	SFI
Titan Pro	TP 25E22	E3	R	2.5	SA,A,R,G
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 2472E	E3,ST	R	2.4	PV,IL,OB,Rey
Zinesto	Z2101G	LLGT27	R	2.1	DST4
Zinesto	Z2303E	E3	R	2.3	DST4
Zinesto	Z2401E	E3	R	2.4	DST4
Zinesto	Z2503E	E3	R	2.5	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	Cruisermaxx® 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.