

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

2021 Soybeans Top 30 Harvest Report

Iowa Northwest [IANW] GALVA, IA
Tom Andresen, Ida County, IA 51025

Early-Season Test	1.9 - 2.4 Day CRM S2021IANW03a
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Surpass, Atrazine, Impact
SOIL DESCRIPTION:	Colo-Galva silty clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	high P, high K, 6.8 pH, 4.7% OM, 22.6 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Prowl, Authority Mtz, Roundup
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 6 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 8 129.4 /A

TEST COMMENTS:

Tom mentioned that it was a cold season to plant, then turned hot and dry through June. Once July 7 hit, conditions were pretty good. Some lodging was severe in one rep of the early season test which impacted yield in that block. White mold was observed across the plots during a visit at R5, however, it wasn't severe and impact to final yield was minimal. Like other parts of northwest IA, Tom's farm received late August rains which provided a nice boost to soybean yields in the area.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Zinesto	Z1902E ↗	E3	1.9	NA	78.4	13.8	8	132.0	979	1
FS HiSOY	21E00 ↗	E3	2.1	R	77.3	13.6	27	118.3	965	2
Golden Harvest	GH2292E3 ↗	E3	2.2	MR	77.1	13.5	3	136.0	963	3
Golden Harvest	GH2102XF § ↗	RXF	2.1	MR	76.9	13.7	27	124.7	960	4
Credenz	CZ 2121GTLL ↗	LLGT27	2.1	MR	76.5	13.7	0	131.7	955	5
Stine	21EE62 § ↗	E3	2.1	R	75.3	13.8	16	125.7	940	6
Kruger	K2294XF ↗	RXF	2.2	R	75.1	13.8	0	124.0	938	7
Latham	L 2049 E3 ↗	E3	2.0	R	74.9	13.6	0	132.0	935	8
NK Brand	NK22-C4E3 ↗	E3	2.2	R	74.8	13.7	0	133.3	934	9
Latham	L 2458 E3 ↗	E3	2.4	R	74.3	13.9	0	124.7	927	10
NK Brand	NK21-H4XF § ↗	RXF	2.1	MR	73.5	13.8	27	135.7	918	11
Kruger	K2391XF ↗	RXF	2.3	R	73.2	14.0	0	129.7	914	12
Credenz	CZ 2360GTLL ↗	LLGT27	2.3	MR	72.8	13.8	0	126.3	909	13
Genesis	G2460ES ↗	E3,ST	2.4	R	72.6	14.0	0	133.0	906	14
FS HiSOY	24F00 ↗	RXF	2.4	R	72.1	14.0	0	134.3	900	15
Apex	AE2420S ↗	E3,ST	2.4	R	71.9	13.8	5	123.0	898	16
Zinesto	Z2302SE ↗	E3,ST	2.3	NA	71.8	13.8	0	135.7	896	17
Kruger	K2084XF ↗	RXF	2.0	R	70.7	13.7	0	132.3	883	18
Hefty	H20XF1 ↗	RXF	2.0	NA	70.1	13.7	0	134.7	875	19
Hoegemeyer	2421 E ↗	E3	2.4	R	70.0	13.6	0	127.0	874	20
Hefty	H21XF2 ↗	RXF	2.1	NA	70.0	13.5	27	138.7	874	21
NK Brand	S19-2E3 GC ↗	E3	1.9	R	69.5	13.6	0	132.7	868	22
Latham	L 2379 E3 ↗	E3	2.3	R	69.2	13.6	0	128.3	864	23
Hefty	H24XF2 ↗	RXF	2.4	NA	69.2	13.7	0	127.3	864	24
Xitavo	XO 2181E ↗	E3	2.1	R	69.0	13.6	27	123.3	862	25
Xitavo	XO 1971E ↗	E3	1.9	R	68.9	13.5	5	133.0	861	26
Zinesto	Z2002E ↗	E3	2.0	NA	68.1	13.9	37	127.0	850	27
Apex	AE2020 ↗	E3	2.0	R	67.7	13.8	27	128.7	845	28
Apex	AE2220 ↗	E3	2.2	R	67.2	13.8	27	125.7	839	29
Pioneer	P21A28X GC ↗	RRX	2.1	R	67.2	13.8	0	127.7	839	30
Croplan	CP2400X CK	RRX	2.4	R	64.9	13.6	16	134.0	810	39

Corey Rozenboom

Corey Rozenboom

corey.rozenboom@firstseedtests.com, (319) 830-8886

Averages = **70.2** **13.7** **12** **129.4** **877**

LSD (0.10) = 4.0 ns 19

LSD (0.25) = 2.1 ns 10

C.V. = 5.5 Historic yield: 59.6 bu/a, 17 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$12.50

Report Date: 10/09/2021

† 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. ↗ New! Links to full product yield results at www.firstseedtests.com

©2021, All rights reserved by Elite Field Genetics, LLC

Additional reports available at www.firstseedtests.com

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

2021 Soybeans Top 30 Harvest Report

Iowa Northwest [IANW] GALVA, IA
Tom Andresen, Ida County, IA 51025

Full-Season Test	2.5 - 2.8 Day CRM S2021IANW03b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Surpass, Atrazine, Impact
SOIL DESCRIPTION:	Colo-Galva silty clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	high P, high K, 6.8 pH, 4.7% OM, 22.6 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Prowl, Authority Mtz, Roundup
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 6 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 8 128.6 /A

TEST COMMENTS:

Tom mentioned that it was a cold season to plant, then turned hot and dry through June. Once July 7 hit, conditions were pretty good. Some lodging was severe in one rep of the early season test which impacted yield in that block. White mold was observed across the plots during a visit at R5, however, it wasn't severe and impact to final yield was minimal. Like other parts of northwest IA, Tom's farm received late August rains which provided a nice boost to soybean yields in the area.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Hefty	H25XF1 ↗	RXF	2.5	NA	78.3	14.1	0	123.7	977	1
FS HiSOY	28E10 ↗	E3	2.8	R	77.6	13.9	0	139.0	969	2
Kruger	K2594XF ↗	RXF	2.5	R	77.5	14.0	0	129.0	967	3
Pioneer	P25A54X GC ↗	RRX	2.5	R	76.7	13.8	0	133.0	957	4
Asgrow	AG26XF1 § ↗	RXF	2.6	R	76.0	14.1	0	128.0	948	5
Xitavo	XO 2832E ↗	E3	2.8	R	75.2	13.7	0	127.0	939	6
Pioneer	P27A17X § ↗	RRX	2.7	R	74.8	13.8	0	126.7	934	7
Credenz	CZ 2550GTLL ↗	LLGT27	2.5	MR	74.6	13.9	0	140.3	931	8
Asgrow	AG27XF1 § ↗	RXF	2.7	R	74.5	14.0	0	129.7	930	9
FS HiSOY	27E10 ↗	E3	2.7	R	74.2	14.0	0	123.0	926	10
Genesis	G2550E ↗	E3	2.5	R	73.9	13.6	0	133.3	923	11
Hoegemeyer	2660 E ↗	E3	2.6	R	73.8	13.9	0	118.7	921	12
Asgrow	AG27XF2 § ↗	RXF	2.7	R	73.2	13.7	0	107.7	914	13
Xitavo	XO 2501E ↗	E3	2.5	R	72.9	13.7	0	127.7	910	14
Pioneer	P26T57E § ↗	E3	2.6	R	72.5	13.7	0	138.0	905	15
Latham	L 2887 R2X ↗	RRX	2.8	R	71.5	13.6	0	135.7	893	16
Golden Harvest	GH2562XF § ↗	RXF	2.5	R	71.5	13.7	5	138.7	893	17
Latham	L 2894 E3 ↗	E3	2.8	R	71.4	13.8	0	132.3	891	18
Pioneer	P26T23E § ↗	E3	2.6	R	70.8	13.8	0	127.0	884	19
Federal	F2520N GC ↗	RXF	2.5	R	69.9	14.0	0	123.3	872	20
Hefty	H28X8 ↗	RRX	2.8	R	69.8	13.8	0	132.7	871	21
FS HiSOY	25E00 ↗	E3	2.5	R	69.0	13.7	0	124.0	862	22
Kruger	K2793XF ↗	RXF	2.7	R	68.7	14.1	0	127.3	857	23
Golden Harvest	GH2722XF GC ↗	RXF	2.7	MR	68.5	13.9	0	129.0	855	24
Kruger	K2885XF ↗	RXF	2.8	R	67.7	14.0	16	128.0	845	25
Stine	25EB32 § ↗	E3	2.5	R	67.7	14.0	0	112.0	845	26
NK Brand	NK25-C9XF ↗	RXF	2.5	MR	66.9	13.5	11	137.0	836	28
Credenz	CZ 2760GTLL ↗	LLGT27	2.7	R	66.5	13.8	0	132.3	830	29
Hefty	H26XF2 ↗	RXF	2.6	NA	66.2	13.8	0	114.0	826	30
Hefty	H28XF1 ↗	RXF	2.8	R	65.4	13.9	11	137.7	816	31
Croplan	CP2400X CK	RRX	2.4	R	67.0	13.8	0	131.3	836	27

Corey Rozenboom

Corey Rozenboom

corey.rozenboom@firstseedtests.com, (319) 830-8886

Averages = **70.4** **13.9** **2** **128.6** **878**

LSD (0.10) = 3.1 0.2 8

LSD (0.25) = 1.6 0.1 4

C.V. = 4.2

Historic yield: 59.6 bu/a, 17 yr(s)

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.02

Prices: GMO = \$12.50

Report Date: 10/09/2021

† 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. ↗ New! Links to full product yield results at www.firstseedtests.com

©2021, All rights reserved by Elite Field Genetics, LLC

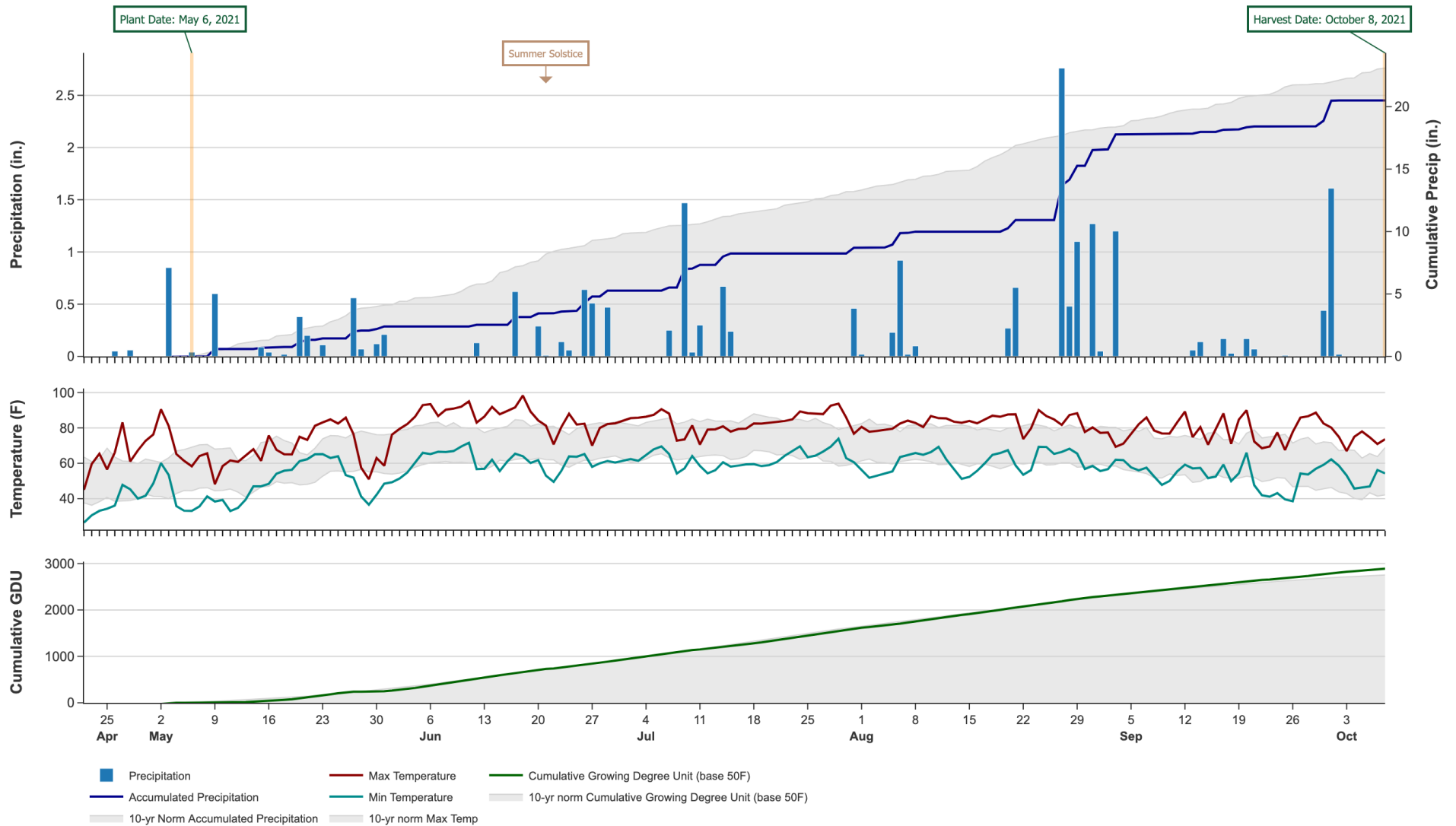
Additional reports available at www.firstseedtests.com

2021 Soybeans - Iowa Northwest [IANW]

Weather Conditions Summary at GALVA, IA

Weather Data Retrieved: 10/09/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.1 0.8 (-0.7)	3.3 4.9 (-1.6)	2.9 5.4 (-2.5)	3.4 3.7 (-0.3)	7.8 4.9 (+2.9)	2.3 3.7 (-1.4)	1.6 1.2 (+0.4)	21.5 24.7 (-3.2)
GDU Normal (Diff)	50 46 (+3)	310 332 (-22)	658 615 (+42)	693 725 (-32)	677 630 (+46)	497 426 (+70)	114 67 (+46)	2999 2843 (+155)



* 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.

2021 Soybeans - Iowa Northwest [IANW]

Early-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE2020	E3	R	2.0	CMBV,SA
Apex	AE2220	E3	R	2.2	CMBV,SA
Apex	AE2420S	E3,ST	R	2.4	CMBV,SA
Credenz	CZ 2121GTLL	LLGT27	MR	2.1	PV,IL,OB
Credenz	CZ 2360GTLL	LLGT27	MR	2.3	PV,IL,OB
Croplan	CP2400X CK	RRX	R	2.4	Untreated
FS HiSOY	19F10	RXF	R	1.9	ACi,B-200
FS HiSOY	21E00	E3	R	2.1	ACi,B-200
FS HiSOY	24F00	RXF	R	2.4	ACi,B-200
Genesis	G1960E	E3	R	1.9	CMBV,SA
Genesis	G2060E	E3	R	2.0	CMBV,SA
Genesis	G2260E	E3	R	2.2	CMBV,SA
Genesis	G2460ES	E3,ST	R	2.4	CMBV,SA
Golden Harvest	GH2102XF §	RXF	MR	2.1	CMBV,SA
Golden Harvest	GH2292E3	E3	MR	2.2	CMBV,SA
Hefty	H20XF1	RXF	NA	2.0	DST4,SA
Hefty	H20XF2	RXF	NA	2.0	DST4,SA
Hefty	H21XF2	RXF	NA	2.1	DST4,SA
Hefty	H24XF2	RXF	NA	2.4	DST4,SA
Hoegemeyer	2141 E	E3	R	2.1	Lum,Lu,IL
Hoegemeyer	2240 E	E3	R	2.2	Lum,Lu,IL
Hoegemeyer	2421 E	E3	R	2.4	Lum,Lu,IL
Kruger	K2084XF	RXF	R	2.0	ACi,IL
Kruger	K2294XF	RXF	R	2.2	ACi,IL
Kruger	K2391XF	RXF	R	2.3	ACi,IL
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
Latham	L 2458 E3	E3	R	2.4	SS+,SA
NK Brand	NK19-C8XF	RXF	R	1.9	CMBV,SA
NK Brand	NK21-H4XF §	RXF	MR	2.1	CMBV,SA
NK Brand	NK22-C4E3	E3	R	2.2	CMBV,SA
NK Brand	S19-2E3 GC	E3	R	1.9	Untreated
Pioneer	P21A28X GC	RRX	R	2.1	Lum,Lu,IL
Stine	20EE23 §	E3	R	2.0	SFI
Stine	21EE62 §	E3	R	2.1	SFI

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Xitavo	XO 1971E	E3	R	1.9	PV,IL,OB
Xitavo	XO 2181E	E3	R	2.1	PV,IL,OB
Zinesto	Z1902E	E3	NA	1.9	DST5
Zinesto	Z2002E	E3	NA	2.0	DST4,SA
Zinesto	Z2202E	E3	NA	2.2	DST4,SA
Zinesto	Z2302SE	E3,ST	NA	2.3	DST5

* FIRST does not inspect products for refuge blend. N* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

2021 Soybeans - Iowa Northwest [IANW]

Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG26XF1 §	RXF	R	2.6	ACi,IL
Asgrow	AG27XF1 §	RXF	R	2.7	ACi,IL
Asgrow	AG27XF2 §	RXF	R	2.7	ACi,IL
Credenz	CZ 2550GTLL	LLGT27	MR	2.5	PV,IL,OB
Credenz	CZ 2760GTLL	LLGT27	R	2.7	PV,IL,OB
Croplan	CP2400X CK	RRX	R	2.4	Untreated
Federal	F2520N GC	RXF	R	2.5	MAG
FS HiSOY	25E00	E3	R	2.5	ACi,B-200
FS HiSOY	27E10	E3	R	2.7	ACi,B-200
FS HiSOY	27F10	RXF	R	2.7	ACi,B-200
FS HiSOY	28E10	E3	R	2.8	ACi,B-200
Genesis	G2550E	E3	R	2.5	CMBV,SA
Golden Harvest	GH2562XF §	RXF	R	2.5	CMBV,SA
Golden Harvest	GH2722XF GC	RXF	MR	2.7	CMBV,SA
Golden Harvest	GH2872XF	RXF	R	2.8	CMBV,SA
Hefty	H25XF1	RXF	NA	2.5	DST4,SA
Hefty	H26XF2	RXF	NA	2.6	DST4,SA
Hefty	H28X8	RRX	R	2.8	DST4,SA
Hefty	H28XF1	RXF	R	2.8	DST5
Hoegemeyer	2660 E	E3	R	2.6	Lum,Lu,IL
Hoegemeyer	2831 E	E3	R	2.8	Lum,Lu,IL
Kruger	K2594XF	RXF	R	2.5	ACi,IL
Kruger	K2793XF	RXF	R	2.7	ACi,IL
Kruger	K2885XF	RXF	R	2.8	ACi,IL
Latham	L 2786 XF	RXF	R	2.7	SS+,SA
Latham	L 2839 LLGT27	LLGT27	R	2.8	SS+,SA
Latham	L 2887 R2X	RRX	R	2.8	SS+,SA
Latham	L 2894 E3	E3	R	2.8	SS+,SA
NK Brand	NK25-C9XF	RXF	MR	2.5	CMBV,SA
Pioneer	P25A54X GC	RRX	R	2.5	Untreated
Pioneer	P26T23E §	E3	R	2.6	Lum,Lu,IL
Pioneer	P26T57E §	E3	R	2.6	Lum,Lu,IL
Pioneer	P27A17X §	RRX	R	2.7	Lum,Lu,IL
Stine	25EB32 §	E3	R	2.5	SFI
Xitavo	XO 2501E	E3	R	2.5	PV,IL,OB
Xitavo	XO 2832E	E3	R	2.8	PV,IL,OB

* FIRST does not inspect products for refuge blend. N* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

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®
RRX	Roundup Ready 2 Xtend®
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi,B-200	Acceleron® Standard Insecticide-Fungicide, B-200 SAT
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
CMBV,SA	Cruisermx® Beans, Vibrance®, Saltro®
DST4,SA	Dominance 4 ST, Saltro®
DST5	Dominance 5 ST
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
MAG	Max Armor Guard (Federal Hybrids)
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SFI	Stine XP F&I
SS+,SA	SoyShield Plus, Saltro®
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.