

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

2021 Soybeans Top 30 Harvest Report

Iowa Northwest [IANW] BOYDEN, IA
Chris Vander Veen, Sioux County, IA

Early-Season Test	1.9 - 2.4 Day CRM S2021IANW01a
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Sotrion, Roundup Powermax, Atrazine
SOIL DESCRIPTION:	Galva silty clay loam, well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 6.4 pH, 4.4% OM, 24.5 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Fierce, Mauler, Warrant Ultra, Section Three, Cornerstone 5, Microp, Silencer
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 17 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 8 135.6 /A

TEST COMMENTS:

The area where the plots were located on Chris' farm was really uniform which produced great consistency and excellent quality data. Like other parts of northwest IA, Sioux county was in the middle of a D2 (severe) drought 3 months ago. Then mid-July came and the showers returned providing moisture at a very critical stage when flowering and pod formation was beginning. Every drop from the 2.7" that fell on July 11 seemed to soaked right into this Galva silty clay loam. From that point to maturity, rainfall was fairly consistent. The result was tall plants with good pod loads that stood well for the most part. Some lodging was noted among a few varieties at harvest as noted in this report.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Xitavo	XO 2181E ↗	E3	2.1	R	81.4	11.9	3	135.3	1018	1
Genesis	G1960E ↗	E3	1.9	R	80.5	12.0	36	137.3	1006	2
Latham	L 2049 E3 ↗	E3	2.0	R	80.1	11.9	5	134.3	1001	3
Golden Harvest	GH2292E3 ↗	E3	2.2	MR	80.0	11.8	0	130.7	1000	4
NK Brand	NK22-C4E3 ↗	E3	2.2	R	79.9	11.8	0	133.7	999	5
Credenz	CZ 2121GTLL ↗	LLGT27	2.1	MR	79.0	11.9	0	138.0	988	6
Latham	L 2458 E3 ↗	E3	2.4	R	78.9	12.0	0	136.7	986	7
Apex	AE2420S ↗	E3,ST	2.4	R	78.2	12.1	3	138.3	978	8
Hoegemeyer	2421 E ↗	E3	2.4	R	78.0	11.7	5	136.3	975	9
Apex	AE2220 ↗	E3	2.2	R	77.6	11.9	0	132.7	970	10
Stine	21EE62 § ↗	E3	2.1	R	77.5	12.2	8	135.3	969	11
Zinesto	Z2202E ↗	E3	2.2	NA	77.1	11.9	0	133.3	964	12
Zinesto	Z2302SE ↗	E3,ST	2.3	NA	76.5	12.0	0	130.7	956	13
Genesis	G2460ES ↗	E3,ST	2.4	R	76.5	12.2	3	133.3	956	14
Hefty	H24XF2 ↗	RXF	2.4	NA	76.4	12.2	0	132.0	955	15
Genesis	G2260E ↗	E3	2.2	R	76.4	12.0	5	135.3	955	16
Golden Harvest	GH2102XF § ↗	RXF	2.1	MR	76.2	11.9	43	138.3	952	17
Latham	L 2379 E3 ↗	E3	2.3	R	75.8	12.1	0	131.7	948	19
Zinesto	Z2002E ↗	E3	2.0	NA	75.8	12.0	16	126.0	948	20
Xitavo	XO 1971E ↗	E3	1.9	R	75.6	11.8	16	136.3	945	21
Genesis	G2060E ↗	E3	2.0	R	75.6	12.1	38	139.3	945	22
FS HiSOY	21E00 ↗	E3	2.1	R	75.5	11.9	17	135.3	944	23
Zinesto	Z1902E ↗	E3	1.9	NA	75.3	11.9	0	137.3	941	24
Stine	20EE23 § ↗	E3	2.0	R	74.9	11.9	37	138.0	936	25
NK Brand	S19-2E3 GC ↗	E3	1.9	R	74.0	11.9	0	140.3	925	26
NK Brand	NK21-H4XF § ↗	RXF	2.1	MR	73.8	11.9	36	137.3	922	27
Hoegemeyer	2141 E ↗	E3	2.1	R	73.8	11.9	23	136.7	922	28
Apex	AE2020 ↗	E3	2.0	R	73.7	12.1	19	135.7	921	29
Kruger	K2084XF ↗	RXF	2.0	R	73.4	12.2	0	131.7	918	30
Hoegemeyer	2240 E ↗	E3	2.2	R	73.3	12.1	5	141.0	916	31
Croplan	CP2400X CK	RRX	2.4	R	76.2	12.0	3	134.3	952	18
					Averages =	75.1	12.0	12	135.6	938
					LSD (0.10) =	2.7	0.1	14		
					LSD (0.25) =	1.4	0.1	7		
					C.V. =	3.4				
					Historic yield: 67.95 bu/a, 4 yr(s)					

Corey Rozenboom

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

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

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2021 Soybeans Top 30 Harvest Report

Iowa Northwest [IANW] BOYDEN, IA
Chris Vander Veen, Sioux County, IA

Full-Season Test	2.5 - 2.8 Day CRM S2021IANW01b
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Sotrion, Roundup Powermax, Atrazine
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SOIL CONDITION:	very high P, very high K, 6.4 pH, 4.4% OM, 24.5 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Fierce, Mauler, Warrant Ultra, Section Three, Cornerstone 5, Microp, Silencer
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 17 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 8 136.0 /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	28E10 ↗	E3	2.8	R	80.7	12.0	0	140.3	1009	1
Pioneer	P27A17X § ↗	RRX	2.7	R	80.2	11.9	12	142.0	1002	2
Pioneer	P26T57E § ↗	E3	2.6	R	79.2	11.9	0	143.0	990	3
Hoegemeyer	2660 E ↗	E3	2.6	R	78.0	12.3	8	138.7	975	4
Hoegemeyer	2831 E ↗	E3	2.8	R	77.6	11.9	3	139.0	970	5
Latham	L 2894 E3 ↗	E3	2.8	R	77.5	12.2	5	133.0	969	6
Credenz	CZ 2760GTLL ↗	LLGT27	2.7	R	77.4	12.2	0	132.7	968	7
Pioneer	P26T23E § ↗	E3	2.6	R	77.4	12.3	0	132.3	968	8
Xitavo	XO 2501E ↗	E3	2.5	R	77.3	11.9	11	135.7	966	9
Pioneer	P25A54X GC ↗	RRX	2.5	R	77.1	12.2	6	138.7	964	10
Asgrow	AG27XF2 § ↗	RXF	2.7	R	77.0	12.1	3	125.3	962	11
Hefty	H26XF2 ↗	RXF	2.6	NA	76.9	12.1	0	132.3	961	12
Genesis	G2550E ↗	E3	2.5	R	76.7	12.0	22	137.3	959	13
Xitavo	XO 2832E ↗	E3	2.8	R	76.6	12.1	0	137.7	957	14
Stine	25EB32 § ↗	E3	2.5	R	76.5	12.2	0	138.7	956	15
FS HiSOY	25E00 ↗	E3	2.5	R	76.5	12.1	5	134.0	956	16
FS HiSOY	27E10 ↗	E3	2.7	R	76.1	12.0	0	125.7	951	18
Golden Harvest	GH2562XF § ↗	RXF	2.5	R	76.0	12.1	60	133.0	950	19
Hefty	H28X8 ↗	RRX	2.8	R	75.8	12.1	5	135.3	948	20
Latham	L 2839 LLGT27 ↗	LLGT27	2.8	R	75.8	12.3	0	133.3	948	21
NK Brand	NK25-C9XF ↗	RXF	2.5	MR	75.0	12.0	34	139.0	938	22
Credenz	CZ 2550GTLL ↗	LLGT27	2.5	MR	75.0	12.1	0	133.3	938	23
Kruger	K2793XF ↗	RXF	2.7	R	73.5	12.3	0	136.7	919	24
Golden Harvest	GH2722XF GC ↗	RXF	2.7	MR	72.9	12.1	17	139.3	911	25
Kruger	K2594XF ↗	RXF	2.5	R	72.5	12.2	0	136.7	906	26
Hefty	H25XF1 ↗	RXF	2.5	NA	72.0	12.3	27	135.7	900	27
Latham	L 2887 R2X ↗	RRX	2.8	R	71.9	12.3	0	128.0	899	28
Asgrow	AG26XF1 § ↗	RXF	2.6	R	71.5	12.2	0	139.7	894	29
Federal	F2520N GC ↗	RXF	2.5	R	71.3	12.0	0	130.7	891	30
Asgrow	AG27XF1 § ↗	RXF	2.7	R	71.0	12.2	0	139.3	888	31
Croplan	CP2400X CK	RRX	2.4	R	76.1	12.2	3	138.3	951	17
					Averages =	74.7	12.2	10	136.0	934
					LSD (0.10) =	2.9	0.2	15		
					LSD (0.25) =	1.5	0.1	8		
					C.V. =	3.7	Historic yield: 67.95 bu/a, 4 yr(s)			

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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

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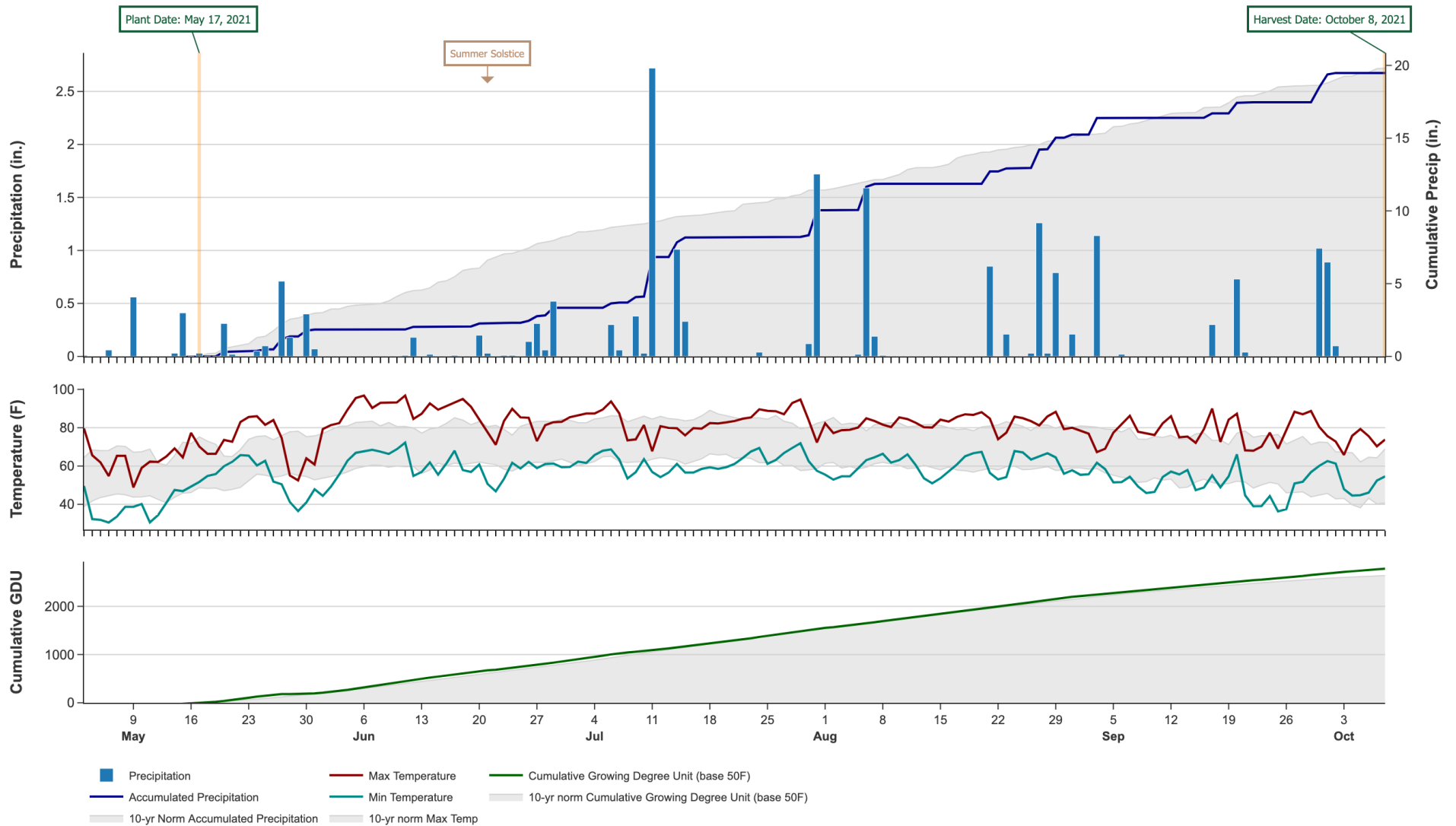
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2021 Soybeans - Iowa Northwest [IANW]

Weather Conditions Summary at BOYDEN, IA

Weather Data Retrieved: 10/09/2021

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	2.9 4.7 (-1.8)	1.5 5.2 (-3.7)	6.7 3.2 (+3.5)	5.2 3.6 (+1.6)	3.2 3.6 (-0.4)	1.0 1.2 (-0.2)	20.6 21.6 (-1.0)
GDU Normal (Diff)	265 317 (-52)	659 613 (+45)	681 726 (-45)	662 625 (+36)	473 423 (+49)	110 66 (+43)	2850 2773 (+76)



* 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

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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.