

Test by: MNS Seed Testing, LLC New Richland, MN

2021 Soybeans Top 30 Harvest Report

South Dakota Northeast [SDNE] BATH, SD
Scott Sperry, Brown County, SD 57427

Early-Season Test	Maturity Group 1.0 - 1.3 S2021SDNE12a
Top 30 of 40	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Force, Roundup Weathermax, Authority Mtz, Sharpen
SOIL DESCRIPTION:	Great Bend-Beotia silt loam, well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 5.8 pH, 5.4% OM, 20.0 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Roundup, Sonic
Applied N-P-K (units):	0-0-0
SEDED - RATE - ROW:	May 13 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 23 110.1 /A

TEST COMMENTS:

In June we saw a good stand and even beans but drought was starting to set in and beans needed rain. We had good weed control and harvest began on October 19 but a mist started and we quit after one replication was done. When we resumed harvest on October 23 we saw the average grain moisture had jumped up to over 14 percent from recent wet weather. The yields were better in the last two-thirds of the plot. Some variable grain moistures in this plot were from the different harvest dates.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Thunder	TX8211N ↗	RXF	1.1	R	73.0	14.1	1	112.0	873	1
Xitavo	XO 1372E ↗	E3	1.3	R	69.4	13.6	1	111.0	831	3
Dairyland	DSR-1290E ↗	E3	1.2	R	66.3	13.7	1	110.7	794	4
Pioneer	P11A44X § ↗	RRX	1.1	R	64.9	13.7	2	112.0	777	5
Zinesto	Z1202E ↗	E3	1.2	NA	64.8	14.3	1	108.7	775	6
Xitavo	XO 1212E ↗	E3	1.2	R	64.6	13.9	1	108.3	773	7
Genesis	G1340E ↗	E3	1.3	R	64.4	14.0	1	116.7	770	8
Asgrow	AG12XF1 § ↗	RXF	1.2	S	63.7	14.1	1	109.3	762	9
Zinesto	Z1101E ↗	E3	1.1	R	63.3	13.9	1	108.3	758	10
Hefty	H10XF1 ↗	RXF	1.0	NA	63.2	13.9	4	108.3	756	13
Apex	AE1220 ↗	E3	1.2	R	63.2	13.7	1	110.3	757	11
Proseed	EL21-23N ↗	E3	1.2	R	63.2	13.8	1	106.3	757	12
REA	R1042XF ↗	RXF	1.0	NA	62.9	14.6	2	111.0	751	14
Hefty	H11XF2 ↗	RXF	1.1	NA	62.8	14.3	1	116.3	751	15
Latham	L 1383 XF ↗	RXF	1.3	R	62.4	13.8	1	112.0	747	16
Xitavo	XO 1041E ↗	E3	1.0	R	61.3	14.1	2	114.0	733	17
Stine	12EE63 § ↗	E3	1.2	R	61.1	13.8	2	110.0	732	18
Proseed	EL91-33N ↗	E3	1.3	R	60.5	14.1	1	111.0	724	19
Latham	L 1219 E3 ↗	E3	1.2	R	60.4	14.1	2	106.3	722	20
Hefty	H12XF2 ↗	RXF	1.2	NA	60.3	14.0	1	113.3	722	21
Innotech	IS1022E3 ↗	E3	1.0	R	60.2	13.9	1	111.0	720	22
Thunder	SB8010N ↗	RRX	1.0	R	59.9	14.5	1	114.0	716	23
Credenz	CZ 1331GTLL ↗	LLGT27	1.3	R	59.6	14.2	1	111.0	713	24
Dyna-Gro	S12XF92 ↗	RXF	1.2	R	59.6	14.0	1	113.0	713	25
Dairyland	DSR-1318E ↗	E3	1.3	R	59.5	14.1	1	114.7	712	26
Genesis	G1260E ↗	E3	1.2	R	59.5	14.2	2	106.3	712	27
Credenz	CZ 1171GTLL ↗	LLGT27	1.1	MR	59.4	14.1	1	110.3	711	28
Loyal	L1240E ↗	E3	1.2	R	58.7	14.0	2	109.3	702	29
Zinesto	Z1001E ↗	E3	1.0	R	58.5	13.9	1	108.3	700	30
Innotech	IS1283E3 ↗	E3	1.2	R	58.4	14.3	1	106.3	698	31
REA	R1350XF CK	RXF	1.3	NA	70.4	14.2	3	113.7	842	2
					Averages =	60.9	14.0	1	110.1	728
					LSD (0.10) =	6.3	0.3	ns		
					LSD (0.25) =	3.3	0.2	ns		
					C.V. =	9.8				
					Historic yield: 52.87 bu/a, 15 yr(s)					

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Yield & Income Factors:

Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.035 Prices: GMO = \$12.00

Report Date: 10/24/2021

† 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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Scott Sperry, Brown County, SD 57427

Full-Season Test	Maturity Group 1.4 - 1.7 S2021SDNE12b
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Force, Roundup Weathermax, Authority Mtz, Sharpen
SOIL DESCRIPTION:	Great Bend-Beotia silt loam, well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 5.8 pH, 5.4% OM, 20.0 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Roundup, Sonic
Applied N-P-K (units):	0-0-0
SEDED - RATE - ROW:	May 13 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 23 110.1 /A

TEST COMMENTS:

In June we saw a good stand and even beans but drought was starting to set in and beans needed rain. We had good weed control and harvest began on October 19 but a mist started and we quit after one replication was done. When we resumed harvest on October 23 we saw the average grain moisture had jumped up to over 14 percent from recent wet weather. The yields were better in the last two-thirds of the plot. Some variable grain moistures in this plot were from the different harvest dates.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Zinesto	Z1702E ↗	E3	1.7	NA	69.8	14.4	2	111.0	834	1
Loyal	L1540E ↗	E3	1.5	R	69.6	14.0	1	108.0	833	2
Dahlman	6015XN GC ↗	RRX	1.5	R	67.4	13.8	1	105.3	807	3
Asgrow	AG15XF2 § ↗	RXF	1.5	R	66.2	14.6	1	114.3	791	4
Pioneer	P16T58E GC ↗	E3	1.6	R	66.1	13.9	1	115.0	791	5
Stine	14EE01 § ↗	E3	1.4	MR	65.8	13.8	1	115.0	788	6
Genesis	G1760E ↗	E3	1.7	R	65.1	14.0	2	108.3	779	7
Loyal	L1740E ↗	E3	1.7	R	64.8	13.6	2	110.3	776	8
Apex	AE1720 ↗	E3	1.7	R	64.3	13.8	1	114.3	770	9
NK Brand	NK17-M2XF ↗	RXF	1.7	R	64.0	14.3	1	107.3	765	10
Apex	AE1520 ↗	E3	1.5	R	63.4	13.6	1	110.3	759	11
Latham	L 1558 E3 ↗	E3	1.5	R	62.8	13.9	1	103.7	752	12
Hefty	H14XF1 ↗	RXF	1.4	NA	62.1	14.1	1	112.3	743	13
Xitavo	XO 1632E ↗	E3	1.6	R	62.0	13.9	1	110.0	742	14
Thunder	TX8117N ↗	RXF	1.7	R	61.9	13.8	3	104.7	741	15
Credenz	CZ 1660GTLL ↗	LLGT27	1.6	MR	61.5	14.4	1	108.0	735	16
REA	R1532XF ↗	RXF	1.5	NA	61.1	13.8	1	106.7	731	17
Xitavo	XO 1761E ↗	E3	1.7	R	60.3	13.5	2	109.0	722	19
Latham	L 1784 XF ↗	RXF	1.7	R	60.1	13.6	1	111.0	720	20
Golden Harvest	GH1762XF ↗	RXF	1.7	MR	59.8	14.6	2	105.3	714	21
Stine	17EE32 § ↗	E3	1.7	R	59.4	13.7	1	111.3	711	22
Innotech	IS1761E3 ↗	E3	1.7	MR	59.2	14.2	2	108.7	708	23
Dahlman	1117E3N GC ↗	E3	1.7	R	58.9	13.5	1	105.7	706	24
Genesis	G1560E ↗	E3	1.5	R	58.5	14.0	2	109.0	700	25
Pioneer	P15A63X § ↗	RRX	1.5	NA	58.3	13.6	2	107.3	698	26
Thunder	SB8015N ↗	RRX	1.5	R	58.1	14.2	1	118.7	695	27
Dairyland	DSR-1673E ↗	E3	1.6	R	57.9	14.1	1	111.0	693	28
Dyna-Gro	S16XF51 ↗	RXF	1.6	R	57.6	13.7	1	104.3	690	29
Zinesto	Z1411E ↗	E3	1.4	R	57.5	13.7	1	111.0	689	30
Zinesto	Z1601E ↗	E3	1.6	R	57.0	13.3	2	111.0	683	31
REA	R1350XF CK	RXF	1.3	NA	61.1	14.3	1	114.0	730	18
					Averages =	57.4	13.9	1	110.1	687
					LSD (0.10) =	8.1	0.4	ns		
					LSD (0.25) =	4.3	0.2	ns		
					C.V. =	13.5				
					Historic yield: 52.87 bu/a, 15 yr(s)					

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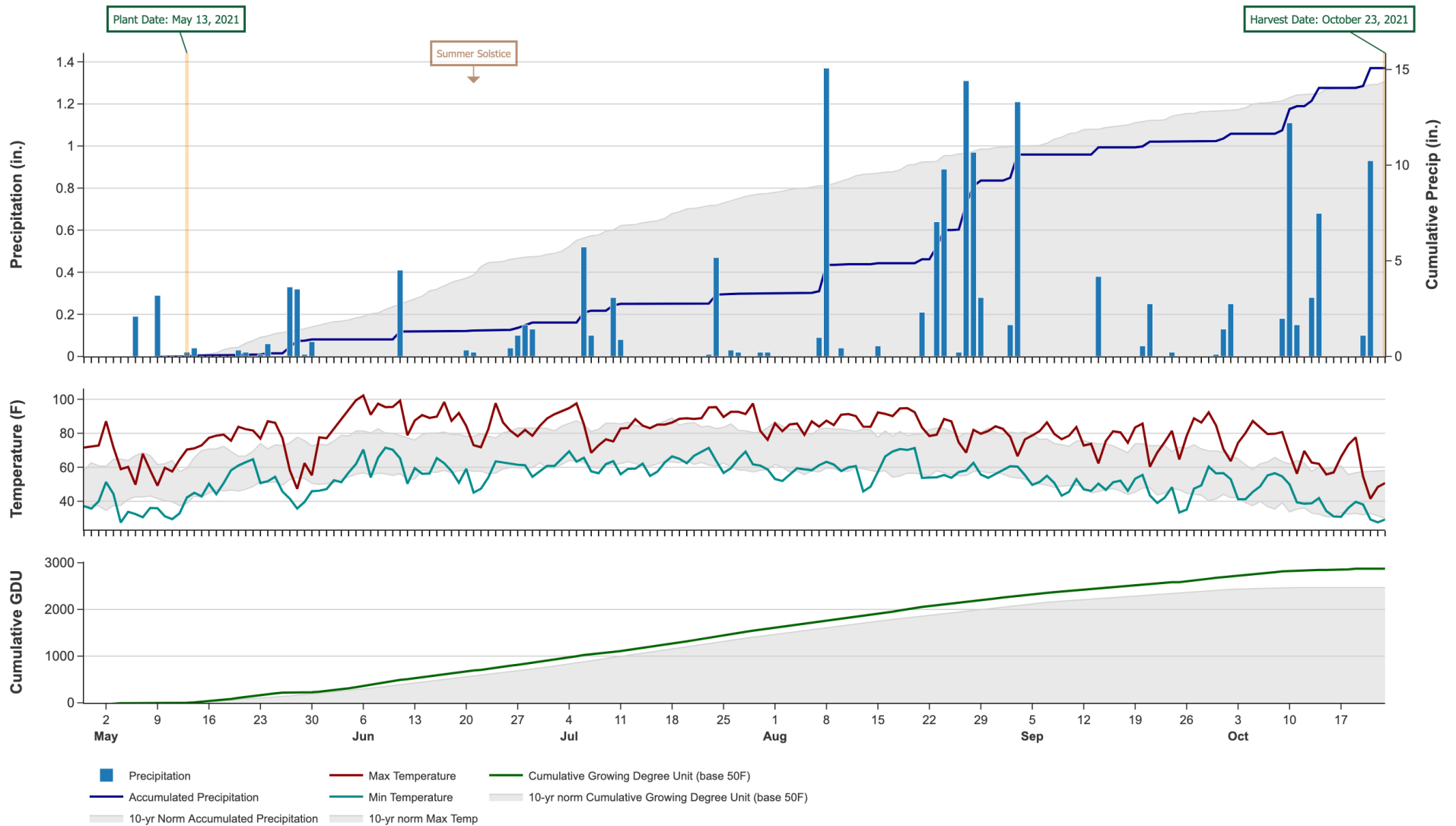
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2021 Soybeans - South Dakota Northeast [SDNE]

Weather Conditions Summary at BATH, SD

Weather Data Retrieved: 10/24/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.0 0.1 (-0.1)	1.4 2.9 (-1.5)	0.9 3.6 (-2.7)	1.6 3.3 (-1.7)	5.9 2.4 (+3.5)	2.1 1.9 (+0.2)	3.8 1.6 (+2.2)	15.6 15.7 (-0.2)
GDU Normal (Diff)	22 6 (+15)	290 267 (+22)	634 543 (+90)	710 701 (+8)	652 597 (+54)	444 368 (+75)	194 58 (+135)	2946 2543 (+402)



* 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 - South Dakota Northeast [SDNE]

Early-Season Test Products (40 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE1220	E3	R	1.2	CMBV,SA
Asgrow	AG10XF1 §	RXF	R	1.0	ACi,IL
Asgrow	AG12XF1 §	RXF	S	1.2	ACi,IL
Credenz	CZ 1171GTLL	LLGT27	MR	1.1	PV,IL,OB
Credenz	CZ 1331GTLL	LLGT27	R	1.3	PV,IL,OB
Dahlman	1111E3N GC	E3,ST	R	1.1	IS
Dahlman	6010XN GC	RRX	R	1.0	IS
Dairyland	DSR-1290E	E3	R	1.2	Lum,IL
Dairyland	DSR-1318E	E3	R	1.3	Lum,IL
Dyna-Gro	S12XF92	RXF	R	1.2	EQV,SA
Genesis	G1260E	E3	R	1.2	CMBV,SA
Genesis	G1340E	E3	R	1.3	CMBV,SA
Golden Harvest	GH1032XF §	RXF	R	1.0	CMBV,SA
Hefty	H10XF1	RXF	NA	1.0	DST4,SA
Hefty	H11XF2	RXF	NA	1.1	DST4,SA
Hefty	H12XF2	RXF	NA	1.2	DST4,SA
Hefty	H13XF1	RXF	NA	1.3	DST4,SA
Innotech	IS1022E3	E3	R	1.0	Fortify
Innotech	IS1283E3	E3	R	1.2	Fortify
Latham	L 1219 E3	E3	R	1.2	SS+,SA
Latham	L 1383 XF	RXF	R	1.3	SS+,SA
Loyal	L1240E	E3	R	1.2	CMBV,SA
NK Brand	S10-E3	E3	R	1.0	CMBV,SA
Pioneer	P09A53X §	RRX	NA	0.9	Lum,Lu
Pioneer	P11A44X §	RRX	R	1.1	Lum,Lu,IL
Proseed	EL21-23N	E3	R	1.2	CMBV
Proseed	EL91-33N	E3	R	1.3	CMBV
REA	R1042XF	RXF	NA	1.0	ACi,IL
REA	R1350XF CK	RXF	NA	1.3	ACi,IL
Stine	12EE63 §	E3	R	1.2	SFI
Thunder	SB8010N	RRX	R	1.0	AM
Thunder	TE7011N	E3	R	1.1	AM
Thunder	TX8211N	RXF	R	1.1	AM
Xitavo	XO 1041E	E3	R	1.0	PV,IL,OB
Xitavo	XO 1212E	E3	R	1.2	PV,IL,OB
Xitavo	XO 1372E	E3	R	1.3	PV,IL,OB
Zinesto	Z1001E	E3	R	1.0	DST4,SA
Zinesto	Z1101E	E3	R	1.1	DST4,SA
Zinesto	Z1202E	E3	NA	1.2	DST4,SA
Zinesto	Z1302E	E3	NA	1.3	DST4,SA

2021 Soybeans - South Dakota Northeast [SDNE]

Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE1420	E3	R	1.4	CMBV,SA
Apex	AE1520	E3	R	1.5	CMBV,SA
Apex	AE1710	E3	R	1.7	CMBV,SA
Apex	AE1720	E3	R	1.7	CMBV,SA
Asgrow	AG15XF2 §	RXF	R	1.5	ACi,IL
Credenz	CZ 1660GTLL	LLGT27	MR	1.6	PV,IL,OB
Dahlman	1117E3N GC	E3	R	1.7	IS
Dahlman	6015XN GC	RRX	R	1.5	IS
Dairyland	DSR-1450E	E3	R	1.4	Lum,IL
Dairyland	DSR-1673E	E3	R	1.6	Lum,IL
Dairyland	DSR-1707E	E3	R	1.7	Lum,IL
Dyna-Gro	S15XF82	RXF	MR	1.5	EQV,SA
Dyna-Gro	S16XF51	RXF	R	1.6	EQV,SA
Genesis	G1460E	E3	R	1.4	CMBV,SA
Genesis	G1560E	E3	R	1.5	CMBV,SA
Genesis	G1760E	E3	R	1.7	CMBV,SA
Golden Harvest	GH1442XF §	RXF	MR	1.4	CMBV,SA
Golden Harvest	GH1472E3	E3	R	1.4	CMBV,SA
Golden Harvest	GH1762XF	RXF	MR	1.7	CMBV,SA
Hefty	H14XF1	RXF	NA	1.4	DST4,SA
Hefty	H15XF2	RXF	NA	1.5	DST5
Hefty	H16XF2	RXF	NA	1.6	DST5
Hefty	H17XF1	RXF	NA	1.7	DST4,SA
Innotech	IS1575E3	E3	R	1.5	Fortify
Innotech	IS1761E3	E3	MR	1.7	Fortify
Latham	L 1482 R2X	RRX	R	1.4	SS+,SA
Latham	L 1558 E3	E3	R	1.5	SS+,SA
Latham	L 1648 LLGT27	LLGT27	R	1.6	SS+
Latham	L 1758 E3	E3	R	1.7	SS+,SA
Latham	L 1769 R2X	RRX	R	1.7	SS+,SA
Latham	L 1784 XF	RXF	R	1.7	SS+,SA
Loyal	L1440E	E3	R	1.4	CMBV,SA
Loyal	L1540E	E3	R	1.5	CMBV,SA
Loyal	L1740E	E3	R	1.7	CMBV,SA
NK Brand	NK14-C7XF	RXF	R	1.4	CMBV,SA
NK Brand	NK14-W6E3 §	E3	MR	1.4	CMBV,SA
NK Brand	NK17-M2XF	RXF	R	1.7	CMBV,SA
Pioneer	P15A63X §	RRX	NA	1.5	Untreated
Pioneer	P16T58E GC	E3	R	1.6	Lum,Lu
Proseed	EL11-53N	E3	R	1.5	CMBV
REA	R1350XF CK	RXF	NA	1.3	ACi,IL
REA	R1532XF	RXF	NA	1.5	ACi,IL

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Stine	14EE01 §	E3	MR	1.4	SFI
Stine	17EE32 §	E3	R	1.7	SFI
Thunder	SB8015N	RRX	R	1.5	AM
Thunder	TX8117N	RXF	R	1.7	AM
Thunder	TX8215N	RXF	R	1.5	AM
Xitavo	XO 1451E	E3	R	1.4	PV,IL,OB
Xitavo	XO 1632E	E3	R	1.6	PV,IL,OB
Xitavo	XO 1761E	E3	R	1.7	PV,IL,OB
Zinesto	Z1411E	E3	R	1.4	DST4,SA
Zinesto	Z1502E	E3	NA	1.5	DST4,SA
Zinesto	Z1601E	E3	R	1.6	DST4,SA
Zinesto	Z1702E	E3	NA	1.7	DST4,SA

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,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
AM	ApronMaxx
CMBV	CruiserMaxx® Beans, Vibrance®
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Saltro®
DST4,SA	Dominance 4 ST,Saltro®
DST5	Dominance 5 ST
EQV,SA	Equity VIP, Saltro®
Fortify	Insecticide-Fungicide (Rob-See-Co)
IS	Intego® Suite
Lum,IL	LumiGEN™ plus ILeVO
Lum,Lu	LumiGEN™, Lumisena™
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SFI	Stine XP F&I
SS+	SoyShield Plus
SS+,SA	SoyShield Plus, Saltro®
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.