

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

2021 Soybeans Top 30 Harvest Report

South Dakota Northeast [SDNE] MANSFIELD, SD
Chris Fischbach, Spink County, SD


Early-Season Test	Maturity Group 1.0 - 1.3 S2021SDNE10a
Top 30 of 40	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Roundup, Atrazine, Sure Start, Banvel
SOIL DESCRIPTION:	Great Bend-Beotia silt loam, well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 5.5 pH, 4.0% OM, 16.6 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Authority
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 12 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 19 105.9 /A

TEST COMMENTS:

Good planting conditions this spring but we didn't get much rainfall after planting and germination and emergence were affected. In June we could see an uneven stand with some dicamba damage to non-traited plots. With the drought stress, soybean heights were 30 inches tall or less at harvest. The best plots had the Xtend traits. Results not reported due to dicamba damage.

Company/Brand	Product/Brand	Seeds / Bu	Mo	Shr	Yield Bu/a	Moisture %	Logging %	Stand (x 1000)	Gross Income \$/Acre	Yield Bu/a
Agway	AG22871 g.	887	1.2	8	47.8	12.1	1	102.0	874	2
Proso	PRO2463 g.	888	1.1	8	48.2	12.1	1	102.7	884	3
Hy	HY2472 g.	887	1.1	8	48.1	12.0	1	107.0	883	4
Proso	PRO2463 g.	887	1.2	8	48.8	12.1	1	104.7	887	5
Proso	PRO2463 g.	887	1.1	8	48.4	12.4	1	104.0	886	6
Proso	PRO2463 g.	83	1.0	8	48.4	12.4	1	104.7	888	7
Proso	PRO2463 g.	888	0.9	8	48.0	12.0	1	102.0	883	8
Lyons	L 10000 g.	887	1.3	8	48.0	12.0	1	102.0	883	9
Hy	HY2472 g.	887	1.1	8	47.5	12.0	1	107.0	878	10
Hy	HY2472 g.	83	1.2	8	47.4	12.1	1	107.0	888	11
Hy	HY2472 g.	887	1.1	8	47.7	12.1	1	108.0	883	12
Hy	HY2472 g.	887	1.2	8	47.5	12.0	1	111.0	888	13
Hy	HY2472 g.	887	1.0	8	47.5	12.4	1	111.0	888	14
Proso	PRO2463 g.	887	1.1	8	47.8	12.2	1	107.0	888	15
Proso	PRO2463 g.	887	1.2	8	47.8	12.4	1	108.0	888	16
Proso	L 10000 g.	83	1.1	8	48.2	12.1	1	97.7	882	17
Proso	PRO2463 g.	83	1.1	8	48.1	12.0	1	108.0	881	18
Proso	PRO2463 g.	887	1.2	8	48.0	12.1	1	107.0	880	19
Proso	PRO2463 g.	887	1.3	8	48.0	12.4	1	108.7	874	20
Proso	AG22871 g.	887	1.0	8	48.2	12.0	1	111.7	870	21
Proso	L 10000 g.	887	1.2	8	48.0	12.3	1	101.0	868	22
Proso	HY2472 g.	887	1.3	8	48.0	12.7	1	108.7	867	23
Proso	AG 10000 g.	83	1.2	8	48.1	12.3	1	98.0	867	24
Proso	PRO2463 g.	83	1.2	8	48.0	12.2	1	102.7	866	25
Proso	AG 10000 g.	83	1.2	8	47.8	12.0	1	107.0	861	26
Proso	PRO2463 g.	83	1.3	8	47.2	12.1	1	104.0	848	27
Proso	AG 10000 g.	83	1.2	8	47.0	12.1	1	103.0	844	28
Proso	AG 10000 g.	83	1.3	8	46.8	12.1	1	108.0	842	29
Proso	AG 10000 g.	83	1.2	8	46.8	11.9	1	102.7	838	30
Proso	AG 10000 g.	887	1.1	8	46.8	12.3	1	109.0	838	31
Proso	AG 10000 g.	887	1.2	8	47.7	12.1	1	112.0	837	32

REJECTED

 Mark Tollefson mark.tollefson@firstseedtests.com, (507) 456-2357	Averages =	39.8	12.2	1	105.9	477
	LSD (0.10) =	5.6	0.4	ns		
	LSD (0.25) =	2.9	0.2	ns		
	C.V. =	13.3				Historic yield: 67.31 bu/a, 2 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.035 Prices: GMO = \$12.00

Report Date: 10/20/2021

Additional reports available at www.firstseedtests.com

† 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

South Dakota Northeast [SDNE] MANSFIELD, SD
Chris Fischbach, Spink County, SD

Full-Season Test	Maturity Group 1.4 - 1.7 S2021SDNE10b
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Roundup, Atrazine, Sure Start, Banvel
SOIL DESCRIPTION:	Great Bend-Beotia silt loam, well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 5.5 pH, 4.0% OM, 16.6 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Authority
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 12 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 19 108.9 /A

TEST COMMENTS:

Good planting conditions this spring but we didn't get much rainfall after planting and germination and emergence were affected. In June we could see an uneven stand with some dicamba damage to non-traited plots. With the drought stress, soybean heights were 30 inches tall or less at harvest. The best plots had the Xtend traits. Results not reported due to dicamba damage.

Company/Brand	Product/Brand	Yield (bu)	Moisture (%)	Shrink (%)	Yield (bu)	Moisture (%)	Logging (%)	Stand (2000)	Gross Income \$/acre	Rank
Golden Harvest	Golden Harvest	1.7	NS	NS	43.3	12.3	1	108.9	519	1
Dynacore	Dynacore	1.5	NS	NS	43.3	12.7	1	112.0	521	2
TruSoy	TruSoy	1.7	R	NS	43.3	12.4	1	111.3	519	3
ProSoy	ProSoy	1.5	NS	NS	43.3	12.3	1	110.7	519	4
Dynacore	Dynacore	1.5	R	NS	43.3	12.4	1	110.0	519	5
TruSoy	TruSoy	1.5	R	NS	43.3	12.8	1	111.3	519	6
Dynacore	Dynacore	1.8	NS	NS	43.3	12.2	1	111.3	519	7
Hyly	Hyly	1.4	NS	NS	43.3	12.3	1	110.0	519	8
Hyly	Hyly	1.7	NS	NS	43.3	12.4	1	108.9	519	9
TruSoy	TruSoy	1.7	R	NS	43.3	12.3	1	110.0	519	10
MR Brand	MR Brand	1.4	R	NS	43.3	12.3	1	111.3	519	11
Golden Harvest	Golden Harvest	1.4	NS	NS	43.3	12.8	1	110.7	519	12
TruSoy	TruSoy	1.7	NS	NS	43.3	12.4	1	111.3	519	13
Dynacore	Dynacore	1.4	NS	NS	43.3	12.4	1	107.7	519	14
Agro	Agro	1.7	NS	NS	43.3	12.8	1	108.9	519	15
Hyly	Hyly	1.7	NS	NS	43.3	12.4	1	108.9	519	16
Hyly	Hyly	1.7	NS	NS	43.3	12.8	1	110.7	519	17
TruSoy	TruSoy	1.7	NS	NS	43.3	12.8	1	108.9	519	18
MR Brand	MR Brand	1.4	R	NS	43.3	12.8	1	108.7	519	19
Lalor	Lalor	1.7	R	NS	43.3	12.8	1	107.7	519	20
Lalor	Lalor	1.4	R	NS	43.3	12.2	1	114.7	519	21
Lalor	Lalor	1.7	R	NS	43.3	12.2	1	108.7	519	22
TruSoy	TruSoy	1.5	NS	NS	43.3	12.3	1	108.9	519	23
Hyly	Hyly	1.8	NS	NS	43.3	12.4	2	108.9	519	24
TruSoy	TruSoy	1.5	R	NS	43.3	12.2	1	110.3	517	25
Dynacore	Dynacore	1.7	R	NS	43.3	12.0	1	112.0	516	27
Lalor	Lalor	1.7	R	NS	43.3	11.9	1	112.0	519	28
Hyly	Hyly	1.7	R	NS	43.3	12.0	1	108.9	519	29
Agro	Agro	1.7	R	NS	43.3	12.1	1	108.9	519	30
Agro	Agro	1.7	R	NS	43.3	12.1	1	107.7	498	31



Mark Tollefson

Mark Tollefson

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Averages =	43.3	12.3	1	108.9	519
LSD (0.10) =	4.7	0.4	ns		
LSD (0.25) =	2.5	0.2	ns		
C.V. =	10.4				Historic yield: 67.31 bu/a, 2 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.035 Prices: GMO = \$12.00

Report Date: 10/20/2021

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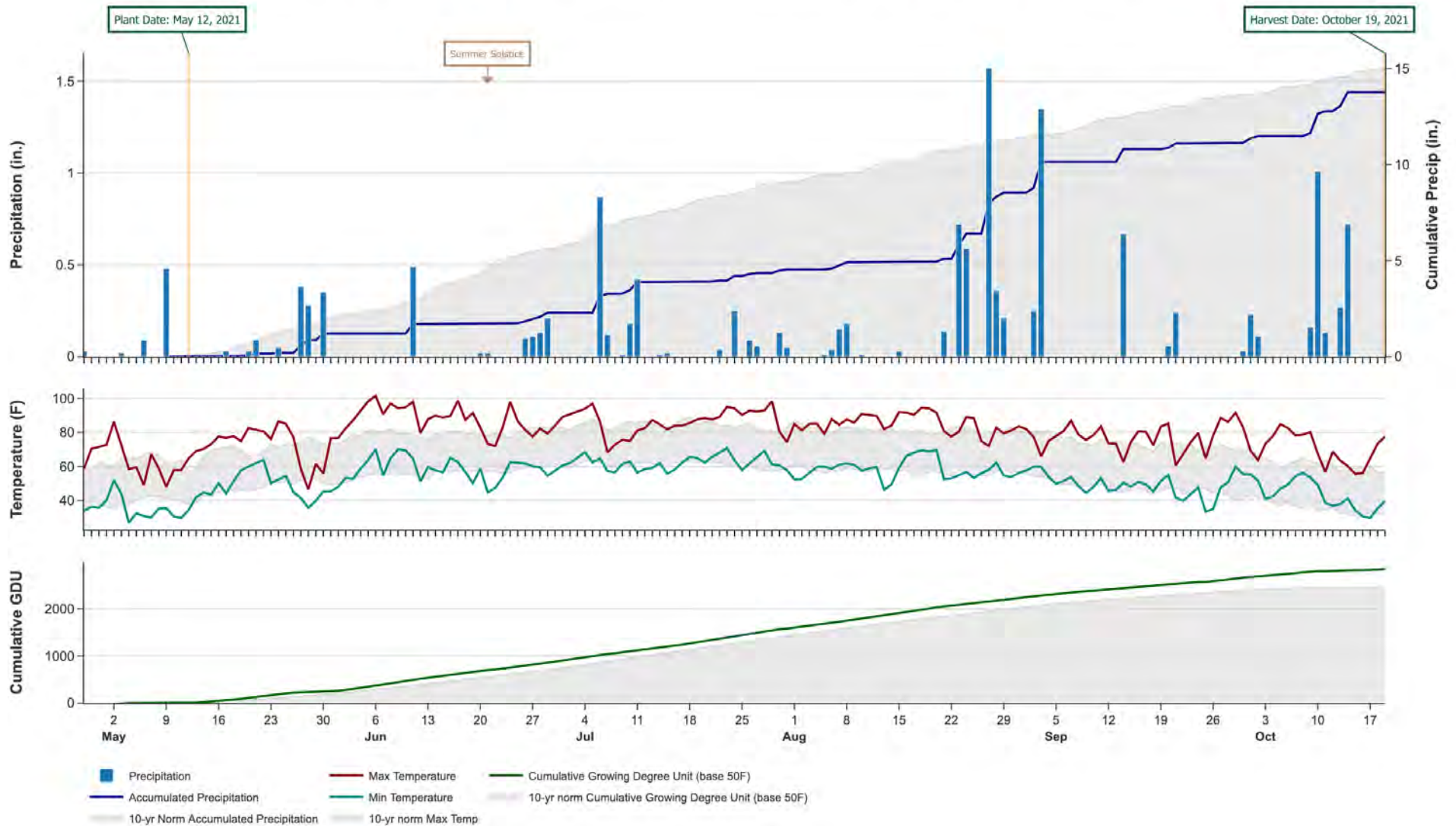
† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different. ↗ New! Links to full product yield results at www.firstseedtests.com

2021 Soybeans - South Dakota Northeast [SDNE]

Weather Conditions Summary at MANSFIELD, SD

Weather Data Retrieved: 10/20/2021

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.0 0.3 (-0.3)	1.8 3.3 (-1.5)	1.1 3.6 (-2.5)	2.2 3.4 (-1.2)	4.0 2.3 (+1.7)	2.6 2.2 (+0.4)	2.6 1.4 (+1.3)	14.4 16.6 (-2.2)
GDU Normal (Diff)	21 0 (+21)	288 263 (+24)	632 534 (+97)	703 696 (+6)	648 596 (+51)	431 370 (+60)	185 51 (+133)	2908 2514 (+393)



* 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.