

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

2020 Soybeans Top 30 Harvest Report

South Dakota Northeast [SDNE] WATERTOWN, SD
Myron Keltgen, Codington County, SD 57201

All-Season Test	1.0 - 1.7 Day CRM S2020SDNE09
Top 30 of 72	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Force, Triple Flex li, Atrazine, Bellum
SOIL DESCRIPTION:	Poinsett-Buse-Waubay silty clay loam, well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 7.1 pH, 4.5% OM, 17.0 CEC
TILLAGE/CULTIVATION:	Minimum W/O Fall Till
PEST MANAGEMENT:	Anthem, Outlook
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 2 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 10 112.4 /A

TEST COMMENTS:

This area was very wet this spring and subsoils were saturated and some fields had ponds. We planted on a well-drained spot. There was a little uneven emergence, but no weeds could be found in June. This plot got hail damage, and geese also took about 6 acres of beans next to the plot. We lost one whole range of data from the damage, thus some varieties have data from only 2 replicates. There were shorter beans at his location that didn't canopy, and few weeds and grass broke thru late in the season. Yields of 50 bpa were surprising as the short beans really bushed out.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
THUNDER	TE7013N	E3	1.3	R	56.4	9.3	1	114.0	536	1
GENESIS	G1340E	E3	1.3	R	55.5	9.5	1	115.3	527	2
LOYAL	L1320E	E3	1.3	R	55.5	9.3	1	118.5	527	3
HEFTY	H16X1	RRX	1.6	R	55.4	8.9	1	113.0	526	4
ZINESTO	Z1701G	LLGT27	1.7	R	55.3	9.5	1	115.3	525	5
LOYAL	L1030E	E3	1.0	R	55.3	9.1	1	114.0	525	6
ZINESTO	Z1400E	E3	1.4	R	55.2	9.5	1	113.0	523	7
DYNA-GRO	S11EN40	E3	1.1	R	55.0	9.6	1	113.0	522	8
PIONEER	P11A44X GC	RRX	1.1	R	55.0	8.7	1	115.5	522	9
RENK	RS150NX	RRX	1.5	R	54.7	8.8	1	108.0	520	10
APEX	AE1300	E3	1.3	R	54.7	9.6	1	114.0	519	11
LATHAM	L 1648 LLGT27	LLGT27	1.6	R	54.6	9.5	1	117.3	519	12
STINE	14EB26 §	E3	1.4	R	54.4	9.4	1	113.3	517	13
STINE	12EB32 §	E3	1.2	R	54.3	9.5	1	112.7	516	14
HEFTY	H11X8	RRX	1.1	MR	54.3	9.5	1	114.5	515	15
LATHAM	L 1429 LLGT27	LLGT27	1.4	R	54.2	9.4	1	117.0	515	16
CREDENZ	CZ 1859GTL	LLGT27	1.8	R	53.9	9.5	2	112.3	512	17
LATHAM	L 1085 LLGT27	LLGT27	1.0	R	53.9	8.9	1	115.7	512	18
GENESIS	G1450E	E3	1.4	R	53.9	9.6	2	109.7	512	19
LATHAM	L 1392 E3	E3	1.3	R	53.8	9.3	1	114.5	511	20
PROSEED	EL21-03	E3	1.0	R	53.7	8.8	1	115.0	510	21
ASGROW	AG14X8 §	RRX	1.4	R	53.7	9.1	1	115.7	510	22
STINE	13EA12 §	E3	1.3	R	53.6	9.4	1	117.0	509	23
APEX	AE1410	E3	1.4	R	53.3	9.3	1	112.0	506	24
HEFTY	H14X8	RRX	1.4	MR	52.8	9.2	2	114.0	502	25
LG SEEDS	C1000RX GC	RRX	1.0	NA	52.8	9.3	1	113.0	502	26
ASGROW	AG17X8 §	RRX	1.7	R	52.7	9.4	1	115.3	501	27
APEX	AE1010	E3	1.0	R	52.7	9.3	1	117.7	501	28
DYNA-GRO	S17EN80	E3	1.7	R	52.7	9.8	1	115.3	501	29
GENESIS	G1050E	E3	1.0	R	52.6	8.7	1	114.5	499	30



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Averages = **50.4** **9.4** **1** **112.4** **480**

LSD (0.10) = 5.9 ns ns

LSD (0.25) = 3.1 ns ns

C.V. = 11.1

Historic yield: 47.9 bu/a, 6 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.2 Drying = \$0.05 Prices: GMO = \$9.50

Report Date: 10/12/2020

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

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2020 Soybeans - South Dakota Northeast [SDNE]

All-Season Test Products (72 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
APEX	AE1010	E3	R	1.0	CMBV,SA
APEX	AE1210S	E3	R	1.2	CMBV,SA
APEX	AE1300	E3	R	1.3	CMBV,SA
APEX	AE1410	E3	R	1.4	CMBV,SA
APEX	AE1710	E3	R	1.7	CMBV,SA
ASGROW	AG11X8 §	RRX	R	1.1	NA
ASGROW	AG14X8 §	RRX	R	1.4	NA
ASGROW	AG17X8 §	RRX	R	1.7	NA
CREDENZ	CZ 1660GTLL	LLGT27	MR	1.6	PV,IL,OB
CREDENZ	CZ 1859GTLL	LLGT27	R	1.8	PV,IL,OB
DAIRYLAND	DSR-1032E	E3	R	1.0	Lum,Lu,IL
DAIRYLAND	DSR-1318E	E3	R	1.3	Lum,Lu,IL
DAIRYLAND	DSR-1673E	E3	R	1.6	Lum,Lu,IL
DYNA-GRO	S11EN40	E3	R	1.1	EQV,SA
DYNA-GRO	S17EN80	E3	R	1.7	EQV,SA
GENESIS	G1050E	E3	R	1.0	CMBV,SA
GENESIS	G1250ES	E3	R	1.2	CMBV,SA
GENESIS	G1340E	E3	R	1.3	EcTC
GENESIS	G1450E	E3	R	1.4	CMBV,SA
GENESIS	G1650E	E3	R	1.6	CMBV,SA
GENESIS	G1750E	E3	R	1.7	CMBV,SA
GOLDEN HARVEST	GH1225X §	RRX	R	1.2	CMBV,SA
GOLDEN HARVEST	GH1414X §	RRX	R	1.4	CMBV,SA
GOLDEN HARVEST	GH1638X	RRX	MR	1.6	CMBV,SA
HEFTY	H11X8	RRX	MR	1.1	HCS
HEFTY	H14X8	RRX	MR	1.4	HCS
HEFTY	H16X1	RRX	R	1.6	HCS
HEFTY	H16X8	RRX	MR	1.6	HCS
HEFTY	H17X9	RRX	MR	1.7	HCS
LATHAM	L 1085 LLGT27	LLGT27	R	1.0	SS+
LATHAM	L 1094 E3	E3	R	1.0	SS+
LATHAM	L 1192 E3	E3	R	1.1	SS+
LATHAM	L 1392 E3	E3	R	1.3	SS+
LATHAM	L 1429 LLGT27	LLGT27	R	1.4	SS+
LATHAM	L 1482 R2X	RRX	R	1.4	SS+
LATHAM	L 1648 LLGT27	LLGT27	R	1.6	SS+

Company/Brand	Brand/Product	Technology	RM	SCN	Seed Treat.
LATHAM	L 1758 E3	E3	R	1.7	SS+
LG SEEDS	1550RX GC	RRX	R	1.5	NA
LG SEEDS	C1000RX GC	RRX	NA	1.0	NA
LOYAL	L1030E	E3	R	1.0	CMBV,SA
LOYAL	L1320E	E3	R	1.3	CMBV,SA
LOYAL	L1430E	E3	R	1.4	CMBV,SA
NK BRAND	S12-T2X	RRX	MR	1.2	CMBV,SA
NK BRAND	S14-U9X §	RRX	MR	1.4	CMBV,SA
NK BRAND	S16-K2X	RRX	MR	1.6	CMBV,SA
PIONEER	P09A53X GC	RRX	NA	0.9	NA
PIONEER	P11A44X GC	RRX	R	1.1	NA
PIONEER	P15A88X GC	RRX	R	1.5	NA
PROSEED	EL21-03	E3	R	1.0	NA
PROSEED	EL21-23	E3	R	1.2	NA
PROSEED	EL91-33	E3	R	1.3	NA
RENK	RS100NX	RRX	R	1.0	EcTC
RENK	RS149NX	RRX	R	1.4	EcTC
RENK	RS150NX	RRX	R	1.5	EcTC
STINE	12EB32 §	E3	R	1.2	NA
STINE	13EA12 §	E3	R	1.3	NA
STINE	14EB26 §	E3	R	1.4	NA
THUNDER	SB8010N	RRX	R	1.0	NA
THUNDER	SB8012N	RRX	R	1.2	NA
THUNDER	SB8015N	RRX	R	1.5	NA
THUNDER	TE7011N	E3	R	1.1	NA
THUNDER	TE7013N	E3	R	1.3	NA
THUNDER	TE7110N	E3	R	1.0	NA
THUNDER	TE7117N	E3	R	1.7	NA
TITAN PRO	15GL9	LLGT27	R	1.5	SA,A,R,G
TITAN PRO	17E0	E3	R	1.7	SA,A,R,G
ZINESTO	Z1001E	E3	R	1.0	NA
ZINESTO	Z1101E	E3	R	1.1	NA
ZINESTO	Z1301G	LLGT27	R	1.3	NA
ZINESTO	Z1400E	E3	R	1.4	NA
ZINESTO	Z1601E	E3	R	1.6	NA
ZINESTO	Z1701G	LLGT27	R	1.7	NA

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®

Soybeans Seed Treatments**

NA	Not Available
CMBV,SA	Cruisermaxx, Vibrance, Saltro
EcTC	Eclipse US Total Coverage Trio IM, N-Force
EQV,SA	Equity VIP, Saltro
HCS	Hefty Complete Soybeans
Lum,Lu,IL	Lumigen, Lumisena™, ILeVO
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SA,A,R,G	Saltro, Allegiance FL, Redigo 480, Gaucho 600
SS+	SoyShield Plus

** Seed treatments may include unspecified plant health promoting components.