

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

2019 Soybeans Top 30 Harvest Report

South Dakota East Central [SDEC] SALEM, SD
Ernie Christensen, McCook County, SD 57048

All-Season Test	1.6 - 2.3 Day CRM S2019SDEC06
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Corn / Force, Roundup, atrazine, Resicore
SOIL DESCRIPTION:	Hand-Davison-Crossplain clay loam, mod. well drained, non- irrigated
SOIL CONDITION:	very high P, very high K, 7.1 pH, 4.0% OM, 21.1 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Valor, Roundup, Selectmax
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 12 140.0 /A 30" spacing
HARVESTED - STAND:	Nov 1 106.2 /A

TEST COMMENTS:

We had originally planned for a corn plot in this field but it was not ready for planting till June 12. While it was on well sloped ground it did hold moisture in the lowest end of the plot and yields were more variable as a result. Some variability in stand was attributed to the planting in wet conditions. Emergence staggered over time as the seed bed was not in the greatest condition. Beans were under 36 inches tall and under 24 inches in the lower ground. All varieties matured and harvested well. The high variability replicate was dropped.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
LATHAM	L 2193 E3	E3	2.1	R	52.2	13.7	7	105.3	442	1
THUNDER	TE7017N	E3	1.7	R	50.8	14.5	3	106.0	430	2
NK BRAND	S20-J5X §	RRX	2.0	R	50.1	13.5	3	96.6	425	3
DYNA-GRO	S21EN70	E3	2.1	R	49.4	13.7	3	106.0	419	4
PIONEER	P21A28X §	RRX	2.1	R	49.4	13.5	1	106.0	419	5
GOLDEN HARVEST	GH2230X	RRX	2.2	R	48.9	13.3	3	106.0	415	6
STINE	19GA02 §	LG27	1.9	R	48.7	13.3	3	106.7	414	7
GOLDEN HARVEST	GH2041X	RRX	2.0	R	48.6	13.3	3	101.6	413	8
LATHAM	L 1829 E3	E3	1.8	R	48.0	14.4	3	113.3	406	11
HEFTY	Z2000E	E3	2.0	R	48.0	13.8	3	106.0	407	9
HEFTY	Z2300E	E3	2.3	R	47.9	13.5	3	111.9	407	10
GOLDEN HARVEST	GH1915X	RRX	1.9	R	47.8	13.2	1	101.6	406	12
DYNA-GRO	S19RY65	RR2Y	1.9	R	47.8	13.5	1	107.5	406	13
GENESIS	G2140E	E3	2.1	R	47.7	13.8	5	101.6	405	14
ASGROW	AG20X9 §	RRX	2.0	R	47.5	13.7	4	108.9	403	15
NK BRAND	S18-G4X §	RRX	1.8	R	47.4	13.6	7	107.5	402	16
GENESIS	G2181GL	LG27	2.2	R	47.3	13.9	1	106.0	400	17
REA	RX2240	RRX	2.2	n/a	47.1	14.0	3	103.1	399	18
HEFTY	Z1900E	E3	1.9	R	46.7	13.7	1	101.6	395	19
ASGROW	AG22X0 §	RRX	2.2	R	46.6	13.9	10	103.1	395	20
PIONEER	P18A98X §	RRX	1.8	R	45.8	13.8	5	103.1	388	21
HEFTY	H23X0	RRX	2.3	R	45.5	14.1	1	107.4	386	22
LATHAM	L2368R2X	RRX	2.3	R	45.3	13.9	1	114.8	383	23
LATHAM	L 2084R2	RR2Y	2.0	R	45.2	13.9	5	107.5	383	24
STINE	19EA33 §	E3	1.9	R	44.8	13.6	1	101.6	380	25
ASGROW	AG19X0 §	RRX	1.9	R	44.8	14.2	4	106.0	380	26
THUNDER	SB8818N	RRX	1.8	R	44.7	13.5	4	108.9	379	27
HEFTY	Z2301E	E3	2.3	R	44.4	14.2	3	104.5	376	28
REA	RX1930	RRX	1.9	n/a	44.0	13.8	4	104.5	373	29
CREDENZ	CZ 2040GTLL	LG27	2.0	R	43.9	13.5	1	110.4	373	30



Mark Tollefson

mark.tollefson@firstseedtests.com, (507) 456-2357

Averages =	44.5	13.8	3	106.2	377
LSD (0.10) =	5.5	0.3	ns		
LSD (0.25) =	2.9	0.1	ns		
C.V. =	9.5				

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$8.50

Report Date: 11/03/2019

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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2019 Soybeans - South Dakota East Central [SDEC]

All-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	SCN	RM
ASGROW	AG19X0 §	RRX	R	1.9
ASGROW	AG20X9 §	RRX	R	2.0
ASGROW	AG22X0 §	RRX	R	2.2
CREDENZ	CZ 1850GTLL	LG27	MR	1.8
CREDENZ	CZ 2040GTLL	LG27	R	2.0
CREDENZ	CZ 2230GTLL	LG27	MR	2.2
DYNA-GRO	S19RY65	RR2Y	R	1.9
DYNA-GRO	S21EN70	E3	R	2.1
DYNA-GRO	S23XT90	RRX	R	2.3
GENESIS	G1840E	E3	R	1.8
GENESIS	G2140E	E3	R	2.1
GENESIS	G2181GL	LG27	R	2.2
GENESIS	G2340E	E3	R	2.3
GOLDEN HARVEST	GH1915X	RRX	R	1.9
GOLDEN HARVEST	GH2041X	RRX	R	2.0
GOLDEN HARVEST	GH2230X	RRX	R	2.2
HEFTY	H20X0	RRX	R	2.0
HEFTY	H20X7	RRX	MR	2.0
HEFTY	H23X0	RRX	R	2.3
HEFTY	H23X9	RRX	MR	2.3
HEFTY	Z1800E	E3	R	1.8
HEFTY	Z1900E	E3	R	1.9
HEFTY	Z2000E	E3	R	2.0
HEFTY	Z2300E	E3	R	2.3
HEFTY	Z2301E	E3	R	2.3
LATHAM	L 1769R2X	RRX	R	1.7
LATHAM	L 1829 E3	E3	R	1.8
LATHAM	L 2084R2	RR2Y	R	2.0
LATHAM	L 2159 R2X	RRX	R	2.1
LATHAM	L 2178 LLGT27	LG27	R	2.1
LATHAM	L 2193 E3	E3	R	2.1
LATHAM	L2295R2X	RRX	R	2.2
LATHAM	L2368R2X	RRX	R	2.3
NK BRAND	S18-G4X §	RRX	R	1.8
NK BRAND	S18-H3X §	RRX	R	1.8
NK BRAND	S20-J5X §	RRX	R	2.0

Company/Brand	Brand/Product	Technology	RM	SCN
PIONEER	P18A98X §	RRX	R	1.8
PIONEER	P19A14X §	RRX	R	1.9
PIONEER	P21A28X §	RRX	R	2.1
REA	RX1610	RRX	R	1.6
REA	RX1739	RRX	R	1.7
REA	RX1930	RRX	NA	1.9
REA	RX2039 GC	RRX	R	2.0
REA	RX2240	RRX	NA	2.2
RENK	RS200NX	RRX	R	2.1
STINE	19EA33 §	E3	R	1.9
STINE	19GA02 §	LG27	R	1.9
THUNDER	SB8021N	RRX	R	2.1
THUNDER	SB8818N	RRX	R	1.8
THUNDER	TE7017N	E3	R	1.7
THUNDER	TG6013N	E3	R	1.3
TITAN PRO	20E9	E3	R	2.0
TITAN PRO	22E8	E3	R	2.2
TITAN PRO	23E9	E3	R	2.3

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™
LG27 or G27	LibertyLink® GT27™
LL	LibertyLink®
None	Conventional, non-GMO
RR	Glyphosate tolerant
RR2Y	Genuity® Roundup Ready 2 Yield®
RRX	Roundup Ready 2 Xtend®
ST	Sulfonylurea herbicide tolerant
