

Test by: Northland F.I.R.S.T., LLC Moorehead, MN

2019 Soybeans Top 30 Harvest Report

Red River Central North Dakota & Minnesota [RRCE] EAST
GRAND FORKS, MN

Matthew Krueger, Polk County, MN 56721

All-Season Test	0.2 - 0.9 Day CRM S2019RRCE04
Top 30 of 59	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Wheat / NA
SOIL DESCRIPTION:	Bearden-Colvin silty clay loam, non-irrigated
SOIL CONDITION:	very low P, high K, 8.2 pH, 3.7% OM, 27.1 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Fierce Ez, Medal Ec, Makaze
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 30 140.0 /A 30" spacing
HARVESTED - STAND:	Nov 13 128.3 /A

TEST COMMENTS:

The plot was planted the same day as the surrounding field and pre-emerge chemical was applied right after planting. The pre-emerge worked excellent due to a good rain that activated the chemical a few nights later. When we came back to spray in July there were very few broadleaf weeds with minimal grasses. Harvest was delayed due to an exceptionally wet September and October. There were a few varieties in this plot that still had many leaves attached and were more significantly lodged than other varieties.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
LATHAM	L 0982R2	RR2Y	0.9	R	40.6	17.6	21	129.7	326	1
MYCOGEN	5B024R2 §	RR2Y	0.2	S	39.4	15.2	2	128.3	319	2
PROSEED	EL 80-43N	E3	0.4	R	39.1	14.7	4	130.2	317	3
LATHAM	L 0595 E3	E3	0.5	R	38.7	15.1	0	128.3	313	4
ASGROW	AG02X8 §	RRX	0.2	S	38.6	14.7	2	128.8	313	5
HEFTY	Z0502E	E3	0.5	S	38.6	15.1	3	129.3	313	6
ASGROW	AG03X7 §	RRX	0.3	R	38.0	15.1	4	127.4	308	7
HEFTY	H07X0	RRX	0.7	R	37.8	16.9	7	126.0	304	8
GOLDEN HARVEST	GH0749X	RRX	0.7	MR	37.6	16.5	5	127.4	303	9
DYNA-GRO	S09XT50	RRX	0.9	R	37.4	16.5	5	127.9	302	10
STINE	07GA33 GC	LG27	0.7	S	37.1	15.8	7	127.4	300	11
NK BRAND	S07-Q4X	RRX	0.7	MR	37.0	16.3	2	128.3	298	12
LATHAM	L 0282R2X	RRX	0.2	R	36.7	14.8	2	125.5	297	13
DYNA-GRO	S06XT59	RRX	0.6	R	36.4	15.5	0	130.7	294	14
LATHAM	L 0883 R2X	RRX	0.8	R	36.2	16.9	3	128.3	292	15
HEFTY	H09X1	RRX	0.9	R	35.7	16.3	1	129.3	288	16
PROSEED	XT 90-90N	RRX	0.9	R	35.7	16.9	1	127.4	287	17
THUNDER	TE7904	E3	0.4	S	35.3	14.6	0	128.3	286	18
PIONEER	P08A72X	RRX	0.8	R	35.0	15.3	0	128.8	283	19
THUNDER	SB8903N	RRX	0.3	R	34.9	14.7	0	127.4	283	20
RENK	RS039NX	RRX	0.3	R	34.9	14.8	1	128.8	283	21
HEFTY	Z0800E	E3	0.8	S	34.9	15.8	1	126.7	282	22
THUNDER	TE7003N	E3	0.3	R	34.8	14.5	3	129.3	282	23
NK BRAND	S03-S6X §	RRX	0.3	S	34.3	14.6	2	127.4	278	24
ASGROW	AG05X9 §	RRX	0.5	R	34.3	15.2	1	128.3	278	25
STINE	07EA36 §	E3	0.7	S	34.1	16.0	2	127.9	275	26
CREDENZ	CZ 0729GTLL	LG27	0.7	MR	34.0	16.9	10	129.3	274	27
HEFTY	Z0700E	E3	0.7	R	33.4	16.1	8	129.7	270	28
THUNDER	SB8807N	RRX	0.7	R	33.4	15.5	7	130.2	270	29
STINE	06GA10 GC	LG27	0.6	S	33.3	16.1	2	129.7	269	30

Averages = **32.5** **15.7** **6** **128.3** **262**

LSD (0.10) = 4.1 0.4 7

LSD (0.25) = 2.1 0.2 4

C.V. = 11.9

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Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$8.15

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All-Season Test Products (59 Total)

Company/Brand	Product/Brand	Technology	SCN	RM
ASGROW	AG02X8 §	RRX	S	0.2
ASGROW	AG03X7 §	RRX	R	0.3
ASGROW	AG05X9 §	RRX	R	0.5
CREDENZ	CZ 0309GTLL	LG27	MR	0.3
CREDENZ	CZ 0419GTLL	LG27	MR	0.4
CREDENZ	CZ 0729GTLL	LG27	MR	0.7
DYNA-GRO	S06XT59	RRX	R	0.6
DYNA-GRO	S07XT28	RRX	R	0.7
DYNA-GRO	S09XT50	RRX	R	0.9
GOLDEN HARVEST	GH0543X	RRX	S	0.5
GOLDEN HARVEST	GH0749X	RRX	MR	0.7
GOLDEN HARVEST	GH0936X	RRX	MR	0.9
HEFTY	H04X0	RRX	R	0.4
HEFTY	H07X0	RRX	R	0.7
HEFTY	H09X1	RRX	R	0.9
HEFTY	Z0501E	E3	R	0.5
HEFTY	Z0502E	E3	S	0.5
HEFTY	Z0700E	E3	R	0.7
HEFTY	Z0800E	E3	S	0.8
LATHAM	L 0282R2X	RRX	R	0.2
LATHAM	L 0438 R2X	RRX	R	0.4
LATHAM	L 0553 R2X	RRX	MR	0.5
LATHAM	L 0595 E3	E3	R	0.5
LATHAM	L 0739R2X	RRX	R	0.7
LATHAM	L 0883 R2X	RRX	R	0.8
LATHAM	L 0982R2	RR2Y	R	0.9
LATHAM	L 0995 E3	E3	R	0.9
MYCOGEN	5B024R2 §	RR2Y	S	0.2
MYCOGEN	5B033R2 §	RR2Y	S	0.3
MYCOGEN	MY089E §	E3	S	0.8
NK BRAND	S02-F9X §	RRX	S	0.2
NK BRAND	S03-G9 §	RR2Y	MR	0.3
NK BRAND	S03-S6X §	RRX	S	0.3
NK BRAND	S05-N5X	RRX	S	0.5
NK BRAND	S06-K4X	RRX	S	0.6
NK BRAND	S07-Q4X	RRX	MR	0.7

Company/Brand	Brand/Product	Technology	RM	SCN
NK BRAND	S09-D4X	RRX	MR	0.9
PIONEER	P08A72X	RRX	R	0.8
PROSEED	EL 80-43N	E3	R	0.4
PROSEED	EL 90-53N	E3	R	0.5
PROSEED	XT 80-60N	RRX	R	0.6
PROSEED	XT 90-90N	RRX	R	0.9
RENK	RS039NX	RRX	R	0.3
STINE	03EA03 §	E3	S	0.3
STINE	05EA23 GC	E3	R	0.5
STINE	06GA10 GC	LG27	S	0.6
STINE	06GA13 §	LG27	S	0.7
STINE	07EA36 §	E3	S	0.7
STINE	07GA33 GC	LG27	S	0.7
THUNDER	SB8805N	RRX	R	0.5
THUNDER	SB8807N	RRX	R	0.7
THUNDER	SB8903N	RRX	R	0.3
THUNDER	SB8906N	RRX	R	0.6
THUNDER	TE7003N	E3	R	0.3
THUNDER	TE7005N	E3	R	0.5
THUNDER	TE7904	E3	S	0.4
THUNDER	TE7906N	E3	R	0.6
TITAN PRO	06E9	E3	R	0.6
TITAN PRO	08E9	E3	S	0.8

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
