

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

2019 Soybeans Top 30 Harvest Report

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

Matthew Krueger, Polk County, MN 56721

All-Season Test	00.7 - 0.4 Day CRM S2019RRNO04
Top 30 of 50	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:	low P, high K, 8.3 pH, 3.8% OM, 27.8 CEC
TILLAGE/CULTIVATION:	Conventional W/ 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 13 128.8 /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. Plants at harvest were not overly tall, but were bushy with many branches off the main stem.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
THUNDER	SB87009	RRX	00.9	S	39.2	15.1	7	130.2	317	1
THUNDER	ASTRO	RR2Y	00.8	S	37.8	14.8	4	128.8	306	2
MYCOGEN	5B024R2 §	RR2Y	0.2	S	37.6	15.2	5	129.3	304	3
GOLDEN HARVEST	GH00866	RR2Y	00.8	NA	37.1	14.5	3	127.4	301	4
PROSEED	EL 80-093	E3	00.9	S	36.7	15.1	7	130.2	297	5
STINE	03GA03 §	LG27	0.3	S	36.5	15.0	5	129.3	296	6
DAHLMAN	6903XN	RRX	0.3	R	36.2	14.6	1	130.2	294	7
ASGROW	AG02X8 §	RRX	0.2	S	35.9	14.8	3	128.3	291	8
THUNDER	SB8903N	RRX	0.3	R	35.6	14.8	0	128.3	289	9
LATHAM	L 0282R2X	RRX	0.2	R	35.6	14.8	6	128.8	289	10
LATHAM	L 0135 E3	E3	0.1	S	35.0	14.9	1	127.9	284	11
RENK	RS039NX	RRX	0.3	R	35.0	14.7	2	127.4	284	12
CREDENZ	CZ 0309GTLL	LG27	0.3	MR	34.9	14.9	2	130.2	283	13
HEFTY	H04E8	E3	0.4	S	34.8	14.8	2	130.7	282	14
DAHLMAN	1001E3	E3	0.1	S	34.6	14.7	2	130.2	281	15
DYNA-GRO	S009XT68	RRX	00.9	S	34.5	14.7	7	127.4	280	16
DYNA-GRO	S03XT29	RRX	0.3	R	34.0	14.7	3	128.3	276	17
THUNDER	TE7904	E3	0.4	S	33.9	14.8	6	127.4	275	18
HEFTY	H009E9	E3	00.9	S	33.8	14.9	2	130.7	274	19
NK BRAND	S008-N2 §	RR2Y	00.8	S	33.6	14.6	7	131.1	272	20
NK BRAND	S01-C4X §	RRX	0.1	S	33.5	15.0	2	128.3	271	21
LATHAM	L 0225 E3	E3	0.2	S	33.0	14.5	2	128.8	268	22
NK BRAND	S03-G9	RR2Y	0.3	MR	33.0	14.9	6	129.3	267	23
ASGROW	AG007X0 §	RRX	00.7	R	32.7	15.0	5	128.8	265	24
GOLDEN HARVEST	GH0145X	RRX	0.1	S	32.5	14.8	3	128.3	263	25
PROSEED	EL 80-23	E3	0.2	S	32.3	14.7	4	131.1	262	26
STINE	03EA03 §	E3	0.3	S	31.9	15.4	2	128.8	258	29
PROSEED	XT 80-20N	RRX	0.2	R	31.9	14.6	3	128.3	259	27
NK BRAND	S03-S6X	RRX	0.3	S	31.9	14.6	2	127.9	259	28
GOLDEN HARVEST	GH0391	RR2Y	0.3	MR	31.9	14.9	10	128.8	258	30

Averages = **32.3** **14.9** **5** **128.8** **261**

LSD (0.10) = 3.5 0.2 6

LSD (0.25) = 1.8 0.1 3

C.V. = 10.3

Luke Brendemuhl

luke.brendemuhl@firstseedtests.com, (218) 790-4497

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

2019 Soybeans - Red River North North Dakota & Minnesota [RRNO]

All-Season Test Products (50 Total)

Company/Brand	Product/Brand	Technology	SCN	RM
ASGROW	AG007X0 §	RRX	R	00.7
ASGROW	AG01X9 §	RRX	R	0.1
ASGROW	AG02X8 §	RRX	S	0.2
BIOGENE	BG8000 RR2X	RRX	R	00.9
BIOGENE	BG8007 RR2X	RRX	R	00.7
BIOGENE	BG8008 RR2X	RRX	R	00.8
CREDENZ	CZ 0309GTLL	LG27	MR	0.3
CREDENZ	CZ 0419GTLL	LG27	MR	0.4
DAHLMAN	1001E3	E3	S	0.1
DAHLMAN	60009X	RRX	S	00.9
DAHLMAN	6903XN	RRX	R	0.3
DYNA-GRO	S009XT68	RRX	S	00.9
DYNA-GRO	S03XT29	RRX	R	0.3
DYNA-GRO	S04XT77	RRX	R	0.4
GOLDEN HARVEST	GH00866	RR2Y	NA	00.8
GOLDEN HARVEST	GH0145X	RRX	S	0.1
GOLDEN HARVEST	GH0308X	RRX	S	0.3
GOLDEN HARVEST	GH0391	RR2Y	MR	0.3
HEFTY	H009E9	E3	S	00.9
HEFTY	H01X0	RRX	S	0.1
HEFTY	H04E8	E3	S	0.4
HEFTY	H04X0	RRX	R	0.4
LATHAM	L 0135 E3	E3	S	0.1
LATHAM	L 0225 E3	E3	S	0.2
LATHAM	L 0282R2X	RRX	R	0.2
LATHAM	L 0438 R2X	RRX	R	0.4
MYCOGEN	5B024R2 §	RR2Y	S	0.2
MYCOGEN	5B033R2 §	RR2Y	S	0.3
NK BRAND	S007-Y4 §	RR2Y	S	00.7
NK BRAND	S008-N2 §	RR2Y	S	00.8
NK BRAND	S01-C4X §	RRX	S	0.1
NK BRAND	S02-F9X	RRX	S	0.2
NK BRAND	S03-G9	RR2Y	MR	0.3
NK BRAND	S03-S6X	RRX	S	0.3
PIONEER	P00A49X §	RRX	R	None
PROSEED	BX 80-35	LG27	S	0.3

Company/Brand	Brand/Product	Technology	RM	SCN
PROSEED	EL 80-093	E3	S	00.9
PROSEED	EL 80-23	E3	S	0.2
PROSEED	XT 80-20N	RRX	R	0.2
RENK	RS039NX	RRX	R	0.3
STINE	01EA63 §	E3	S	0.1
STINE	03EA03 §	E3	S	0.3
STINE	03GA03 §	LG27	S	0.3
THUNDER	ASTRO	RR2Y	S	00.8
THUNDER	SB8001	RRX	S	0.1
THUNDER	SB87009	RRX	S	00.9
THUNDER	SB8903N	RRX	R	0.3
THUNDER	TE7003N	E3	R	0.3
THUNDER	TE7902	E3	S	0.2
THUNDER	TE7904	E3	S	0.4

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
