

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

## 2019 Soybeans Top 30 Harvest Report

Red River South North Dakota & Minnesota [RRSO]  
BARNESVILLE, MN

Nate Thompson, Clay County, MN 56514

<b>All-Season Test</b>	0.6 - 1.4 Day CRM S2019RRSO02
<b>Top 30 of 60</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / NA
<b>SOIL DESCRIPTION:</b>	Arveson clay loam, non-irrigated
<b>SOIL CONDITION:</b>	very low P, very low K, 8.5 pH, 5.1% OM, 25.8 CEC
<b>TILLAGE/CULTIVATION:</b>	No-Till
<b>PEST MANAGEMENT:</b>	Fierce Ez, Medal Ec, Makaze
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	Jun 1 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 27 128.4 /A

### TEST COMMENTS:

*A wet and cold start to the year delayed planting. Throughout the growing season this plot and surrounding field had areas of severe IDC, with some varieties in the plot being affected more than others. An exceptionally wet September has made most fields too saturated to drive across, and there was an early frost that hurt certain varieties in the plot causing the moistures to be high.*

Company/Brand	Product/Brand	Tested †	RR	NS	Yield Bu/ct	Moisture %	Logging %	Stand In 2019	Gross Income \$/acre	Rank
PROCEED	EL 97-226	ES	1.3	R	24.8	22.8	1	128.2	272	1
LATHAM	L 1428-L10727	L107	1.4	R	25.8	22.5	1	121.8	288	2
HEFTY	H180	ES	1.1	R	25.8	21.8	1	128.8	254	3
THUNDER	TEP116	ES	1.1	R	21.2	25.5	1	128.8	248	4
LATHAM	L 1428-R28	RR	1.0	R	26.7	25.3	1	127.8	245	5
THUNDER	TEP116	ES	1.3	R	25.8	22.8	1	121.7	237	7
HEFTY	H180	ES	1.0	R	25.7	21.8	1	121.7	236	8
PROCEED	EL 97-226	ES	1.2	R	25.7	25.8	1	121.6	236	9
NR BRAND	512-40	RR2Y	1.1	R	25.7	21.5	1	121.9	236	9
LATHAM	L 1428-L10727	L107	1.3	R	24.8	21.8	1	128.8	233	10
AGRICON	AD1148 S	RR	1.1	R	25.7	21.5	1	128.7	230	11
AGRICON	AD1148 S	RR	1.1	R	25.7	21.5	1	121.8	228	12
TITAN PRO	188	RR	1.3	R	27.5	25.7	1	125.1	219	16
LATHAM	L 1428 ES	ES	1.1	R	27.1	22.3	1	125.1	218	14
SYNAGRO	514178	RR	1.1	R	25.7	21.1	1	128.8	218	15
CROCKFORD	CZ 5700TLL	L107	1.3	R	27.0	17.8	1	128.8	217	13
NR BRAND	514-40	RR2Y	1.1	R	25.5	25.8	1	128.2	211	17
LATHAM	L 1428 ES	ES	1.1	R	25.8	25.4	1	128.3	200	25
STONE	18A12 S	RR	1.3	R	25.8	24.3	1	128.3	201	22
STONE	18A12 S	RR	0.8	R	25.5	19.8	1	128.2	204	18
HEFTY	H180	ES	1.0	R	25.5	25.0	1	128.3	203	19
NR BRAND	514-40	RR2Y	1.4	R	25.5	24.2	1	128.1	200	26
STONE	18A12 S	RR	0.7	R	25.4	19.3	1	128.3	203	20
LATHAM	L 1428	RR2Y	1.4	R	25.4	25.0	1	128.3	201	23
HEFTY	Z180	ES	0.8	R	25.3	25.0	1	128.3	202	21
AGRICON	AD1148 S	RR	1.4	R	25.3	21.5	1	128.7	201	24
GOLDEN HARVEST	514178	RR	1.3	R	24.8	26.4	1	121.1	198	29
THUNDER	588116	RR	1.4	R	24.7	25.8	1	127.4	197	27
CROCKFORD	CZ 14700TLL	L107	1.4	RR	24.6	21.7	1	128.8	195	28
RYAN	RR1188	RR	1.0	R	24.4	25.2	1	128.7	194	30

REJECTED

Averages =	<b>23.6</b>	<b>21.3</b>	<b>1</b>	<b>128.4</b>	<b>186</b>
LSD (0.10) =	4.9	2.9	0		
LSD (0.25) =	2.6	1.5	0		
C.V. =	19.9				

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

Report Date: 10/28/2019

Additional reports available at [www.firstseedtests.com](http://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 - Red River South North Dakota & Minnesota [ RRSO ]

### All-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technology	SCN	RM
ASGROW	AG10X9 §	RRX	R	1.0
ASGROW	AG11X8 §	RRX	R	1.1
ASGROW	AG14X0 §	RRX	R	1.4
CREDENZ	CZ 0729GTLL	LG27	MR	0.7
CREDENZ	CZ 1139GTLL	LG27	MR	1.1
CREDENZ	CZ 1280GTLL	LG27	MR	1.2
CREDENZ	CZ 1470GTLL	LG27	MR	1.4
DYNA-GRO	S09XT50	RRX	R	0.9
DYNA-GRO	S11XT78	RRX	R	1.1
DYNA-GRO	S14XT98	RRX	R	1.4
GOLDEN HARVEST	GH0749X	RRX	MR	0.7
GOLDEN HARVEST	GH0936X	RRX	MR	0.9
GOLDEN HARVEST	GH1317X	RRX	R	1.3
HEFTY	H07X0	RRX	R	0.7
HEFTY	H09X1	RRX	R	0.9
HEFTY	H10E0	E3	R	1.0
HEFTY	H10X0	RRX	R	1.0
HEFTY	H11E0	E3	R	1.1
HEFTY	H14X0	RRX	R	1.4
HEFTY	Z0800E	E3	S	0.8
LATHAM	L 0883 R2X	RRX	R	0.8
LATHAM	L 0995 E3	E3	R	0.9
LATHAM	L 1039 R2X	RRX	R	1.0
LATHAM	L 1192 E3	E3	R	1.1
LATHAM	L 1359 LLGT27	LG27	R	1.3
LATHAM	L 1392 E3	E3	R	1.3
LATHAM	L 1429 LLGT27	LG27	R	1.4
LATHAM	L 1438R2	RR2Y	R	1.4
MYCOGEN	MY089E §	E3	S	0.8
MYCOGEN	MY119E §	E3	MR	1.1
MYCOGEN	MY149E §	E3	MR	1.4
NK BRAND	S06-K4X §	RRX	S	0.6
NK BRAND	S07-Q4X §	RRX	MR	0.7
NK BRAND	S09-D4X §	RRX	MR	0.9
NK BRAND	S10-H7X	RRX	MR	1.0
NK BRAND	S12-R3	RR2Y	R	1.2

Company/Brand	Brand/Product	Technology	RM	SCN
NK BRAND	S14-A6	RR2Y	R	1.4
NK BRAND	S14-B2X	RRX	R	1.4
NK BRAND	S14-U9X	RRX	MR	1.4
PROSEED	EL 91-23N	E3	R	1.2
PROSEED	EL 91-33N	E3	R	1.3
PROSEED	XT 90-90N	RRX	R	0.9
RENK	RS039NX	RRX	R	0.3
RENK	RS084NR2	RR2Y	R	0.8
RENK	RS089NX	RRX	R	0.8
RENK	RS100NX	RRX	R	1.0
STINE	07EA36 §	E3	S	0.7
STINE	09EA02 §	E3	R	0.9
STINE	13EA12 §	E3	R	1.3
THUNDER	SB8009N	RRX	R	0.9
THUNDER	SB8010N	RRX	R	1.0
THUNDER	SB8807N	RRX	R	0.7
THUNDER	SB8814N	RRX	R	1.4
THUNDER	TE7009N	E3	R	0.9
THUNDER	TE7011N	E3	R	1.1
THUNDER	TE7013N	E3	R	1.3
THUNDER	TE7910N	E3	R	1.0
TITAN PRO	08E9	E3	S	0.8
TITAN PRO	11E9	E3	R	1.1
TITAN PRO	13E9	E3	R	1.3

## Footnotes and Abbreviations Descriptions

### Brand Footnotes

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- 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

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- S susceptible
- MR moderate resistance
- R resistant
- n/a info unavailable

### Soybeans Technologies\*

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- E3 Enlist E3™
  - G27 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
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