

2019 Soybeans Top 30 Performance Summary for Red River North North Dakota & Minnesota [RRNO]

All-Season Test

00.7 - 0.4 Day CRM

S2019RRNO

Top 30 of 50

For Gross Income (Sorted by Yield), (8) Replication Average

Company/Brand	Product/Brand	Technol. †	RM	SCN	Yield Bu/A	Protein (%)	Oil (%)	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Cavalier *	East Grand Forks	Hallock	Warren REJECTED
RENK	RS039NX	RRX	0.3	R	<b>40.0</b>	32.1	17.5	14.5	3	325	1	<b>40.6</b>	35.0	<b>44.4</b>	23.1
ASGROW	AG02X8 §	RRX	0.2	S	<b>39.1</b>	31.7	<b>18.5</b>	14.5	2	318	2	38.5	<b>35.9</b>	<b>43.1</b>	29.1
GOLDEN HARVEST	GH00866	RR2Y	0.08	NA	<b>38.3</b>	31.2	<b>19.3</b>	14.4	2	311	3	38.5	<b>37.1</b>	<b>39.3</b>	19.5
THUNDER	SB87009	RRX	0.09	S	<b>38.3</b>	31.9	17.5	14.6	4	310	5	33.6	<b>39.2</b>	<b>42.1</b>	28.7
DYNA-GRO	S03XT29	RRX	0.3	R	<b>38.3</b>	31.6	17.6	14.5	2	311	4	<b>39.7</b>	34.0	<b>41.1</b>	23.1
PROSEED	EL 80-093	E3	0.09	S	<b>38.1</b>	31.6	18.2	14.9	3	309	6	39.0	<b>36.7</b>	<b>38.5</b>	24.2
MYCOGEN	5B024R2 §	RR2Y	0.2	S	<b>38.0</b>	32.5	17.8	14.7	3	308	7	34.0	<b>37.6</b>	<b>42.3</b>	23.7
THUNDER	SB8903N	RRX	0.3	R	<b>37.6</b>	31.8	17.8	14.5	1	305	8	37.3	35.6	<b>39.9</b>	23.7
PROSEED	XT 80-20N	RRX	0.2	R	<b>36.9</b>	31.8	17.7	14.6	3	300	9	<b>40.1</b>	31.9	<b>38.8</b>	23.7
THUNDER	TE7904	E3	0.4	S	<b>36.8</b>	<b>32.7</b>	18.1	14.6	3	298	10	36.7	33.9	<b>39.8</b>	23.7
STINE	03GA03 §	LG27	0.3	S	<b>36.7</b>	<b>33.7</b>	17.6	14.9	3	297	11	<b>40.2</b>	<b>36.5</b>	33.5	23.7
CREDENZ	CZ 0309GTLL	LG27	0.3	MR	<b>36.6</b>	<b>33.2</b>	17.7	14.8	1	297	12	<b>41.4</b>	34.9	33.5	23.7
HEFTY	H04E8	E3	0.4	S	36.5	32.3	<b>18.7</b>	14.5	1	296	13	39.1	34.8	35.6	23.7
DAHLMAN	6903XN	RRX	0.3	R	36.4	31.8	17.7	14.5	2	295	14	34.6	<b>36.2</b>	<b>38.5</b>	23.7
DYNA-GRO	S009XT68	RRX	0.09	S	36.3	32.1	17.3	14.5	3	295	15	38.0	34.5	36.5	23.7
MYCOGEN	5B033R2 §	RR2Y	0.3	S	36.1	31.5	<b>18.3</b>	14.4	6	293	16	<b>40.5</b>	29.4	<b>38.4</b>	23.7
LATHAM	L 0282R2X	RRX	0.2	R	35.9	31.8	17.7	14.4	3	291	17	<b>40.0</b>	35.6	32.0	23.7
THUNDER	ASTRO	RR2Y	0.08	S	35.8	32.3	17.8	14.5	2	291	18	33.1	<b>37.8</b>	36.6	23.7
PROSEED	EL 80-23	E3	0.2	S	35.7	32.5	17.6	14.7	2	290	19	<b>41.5</b>	32.3	33.4	23.7
LATHAM	L 0438 R2X	RRX	0.4	R	35.3	30.9	18.1	15.2	1	285	20	37.4	30.7	37.7	23.7
THUNDER	TE7902	E3	0.2	S	35.1	<b>32.7</b>	17.5	14.7	5	285	21	<b>40.0</b>	30.3	35.2	23.7
CREDENZ	CZ 0419GTLL	LG27	0.4	MR	34.9	<b>33.0</b>	18.0	15.1	6	283	23	37.7	27.8	<b>39.3</b>	23.7
DYNA-GRO	S04XT77	RRX	0.4	R	34.9	32.1	18.2	14.4	2	283	22	33.9	31.7	<b>39.1</b>	23.7
HEFTY	H009E9	E3	0.09	S	34.4	32.3	<b>18.3</b>	14.9	2	279	24	33.6	33.8	35.9	23.7
LATHAM	L 0225 E3	E3	0.2	S	34.2	<b>32.8</b>	17.6	14.5	1	277	25	38.9	33.0	30.6	23.7
ASGROW	AG007X0 §	RRX	0.07	R	34.0	31.7	<b>18.4</b>	14.6	3	276	26	30.5	32.7	<b>38.7</b>	23.7
STINE	01EA63 §	E3	0.1	S	33.9	32.5	17.9	14.4	4	275	27	38.4	31.6	31.6	21.4
PROSEED	BX 80-35	LG27	0.3	S	33.5	<b>33.8</b>	17.5	14.7	3	271	28	37.5	28.8	34.1	27.1
NK BRAND	S01-C4X §	RRX	0.1	S	33.4	31.8	17.5	14.5	2	271	29	31.2	33.5	35.7	19.7
THUNDER	TE7003N	E3	0.3	R	33.0	31.4	<b>18.4</b>	14.3	1	268	30	36.5	31.1	31.5	22.9

Data Rejected - Not in Summary

<b>Averages =</b>	<b>33.6</b>	<b>32.0</b>	<b>18.0</b>	<b>14.6</b>	<b>3</b>	<b>274</b>	<b>35.6</b>	<b>32.3</b>	<b>33.5</b>	<b>22.8</b>
LSD (0.10) =	3.0	0.6	0.3	0.2	3		3.8	3.5	4.6	4.7
LSD (0.25) =	1.6	0.3	0.2	0.1	2		2.0	1.8	2.4	2.5

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**Yield & Income Factors:**

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$8.15

† 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. \*There were 2 reps for the site.

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## 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

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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™
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