

Test by: Southern MN FIRST New Richland, MN

## 2019 Soybeans Top 30 Harvest Report

Minnesota South [MNSO] NEW RICHLAND, MN  
Leon Schoenrock, Waseca County, MN 56072

<b>Early-Season Test</b>	1.6 - 1.9 Day GRM S2019MNSO03a
<b>Top 30 of 42</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Resicor Roundup, atrazine
<b>SOIL DESCRIPTION:</b>	Webster clay loam , mod. well drained
<b>SOIL CONDITION:</b>	very high P, medium K, 6.0 pH, 5.0% OM, 31.1 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Roundup, Flexstar, Clethodim
<b>Applied N-P-K (units):</b>	0-26-62
<b>SEEDED - RATE - ROW:</b>	May 26 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 9 122.7 /A

### TEST COMMENTS:

*A wet cool spring delayed planting. Plants were slow to develop. Rows finally shaded over in late August. Rainfall was above normal, except for two weeks in late August/early September. Aphid pressure was low, though Leon did note some frogeye leaf spot across his fields. Some plants showed minor signs of white mold and SDS. Plants stood very well at harvest, in spite of heavy rains in late Sept/early Oct.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
GOLDEN HARVEST	GH1915X §	RRX	1.9	R	<b>68.0</b>	10.4	0	122.7	595	1
LATHAM	L 1858R2	RR2Y	1.8	R	<b>67.9</b>	10.7	0	121.3	594	2
NK BRAND	S18-G4X §	RRX	1.8	R	<b>66.5</b>	11.3	0	122.3	582	3
DAHLMAN	1014E3N GC	E3	1.4	R	<b>66.2</b>	10.8	0	124.1	579	4
FEDERAL	1909N LLGT+	LG27	1.8	R	<b>66.2</b>	10.5	0	125.5	579	5
RENK	RS170NX	RRX	1.6	R	<b>66.0</b>	10.6	0	125.1	578	6
ENESTVEDT	E1418RR2 GC	RR2Y	1.4	R	65.3	10.9	0	124.1	571	7
HEFTY	H17X0	RRX	1.7	R	65.2	10.8	0	123.7	570	9
ANDERSON	180RXT	RRX	1.8	MR	65.1	10.9	0	120.4	570	8
CREDENZ	CZ 1660GTLL	LG27	1.6	MR	64.4	10.7	0	123.2	564	10
LATHAM	L 1983 LLGT27	LG27	1.9	R	64.4	9.8	0	124.6	564	11
NORTHSTAR	NS 61775NXR2	RRX	1.7	R	64.3	10.5	0	120.9	563	13
ASGROW	AG19X0 §	RRX	1.9	R	64.3	11.1	0	120.9	563	12
ANDERSON	18LG20	LG27	1.8	MR	63.9	10.7	0	121.3	559	14
CORNELIUS	CB18X80	RRX	1.8	R	63.7	10.4	0	122.7	557	15
PIONEER	P18A98X §	RRX	1.8	R	63.4	10.7	0	124.6	555	16
CREDENZ	CZ 1850GTLL	LG27	1.8	MR	63.1	10.2	0	123.2	552	17
GOLDEN HARVEST	GH1619X §	RRX	1.6	R	62.6	10.8	0	123.2	548	19
STINE	17GA62 §	LG27	1.7	R	62.3	10.8	0	125.1	545	21
NORTHSTAR	NS 91974NE3	E3	1.9	R	62.3	12.0	0	125.5	545	20
STINE	19GA02 §	LG27	1.9	R	61.9	10.2	0	122.3	542	22
ASGROW	AG17X8 §	RRX	1.7	R	61.8	10.1	0	123.2	541	23
CREDENZ	CZ 1859GTLL	LG27	1.8	R	61.7	10.6	0	123.7	540	24
NORTHSTAR	NS 81764NLG+	LG27	1.7	R	61.4	10.5	0	123.2	537	25
HEFTY	Z1800E	E3	1.8	R	61.3	11.6	0	122.7	536	26
LATHAM	L 1829 E3	E3	1.8	R	61.3	11.2	0	122.7	536	27
TITAN PRO	TP-16X88	RRX	1.6	R	61.2	10.4	0	122.3	536	28
TITAN PRO	18GL8	LG27	1.8	R	60.9	10.4	0	124.1	533	29
TITAN PRO	18E9	E3	1.8	R	60.8	11.4	0	123.9	532	30
FEDERAL	2090N R2X	RRX	1.9	R	60.5	10.7	0	120.4	529	31
GOLD COUNTRY	1939X CK	RRX	1.9	n/a	63.1	11.2	0	121.8	552	18

*Mark Querna*

Mark Querna

mark.querna@firstseedtests.com, (507) 380-9920

Averages = **62.4** **10.7** **0** **122.7** **546**

LSD (0.10) = 3.2 0.3 0

LSD (0.25) = 1.7 0.2 0

C.V. = 4.8

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.4 Drying = \$0.04 Prices: GMO = \$8.75; non-GMO = \$8.75

Report Date: 10/10/2019

Revised: 10/11/2019

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

©2019, All rights reserved by Elite Field Genetics, LLC

Test by: Southern MN FIRST New Richland, MN

## 2019 Soybeans Top 30 Harvest Report

Minnesota South [MNSO] NEW RICHLAND, MN  
Leon Schoenrock, Waseca County, MN 56072

<b>Full-Season Test</b>	2.0 - 2.3 Day GRM S2019MNSO03b
<b>Top 30 of 48</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Resicor Roundup, atrazine
<b>SOIL DESCRIPTION:</b>	Webster clay loam , mod. well drained
<b>SOIL CONDITION:</b>	very high P, medium K, 6.0 pH, 5.0% OM, 31.1 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Roundup, Flexstar, Clethodim
<b>Applied N-P-K (units):</b>	0-26-62
<b>SEEDED - RATE - ROW:</b>	May 26 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 9 122.9 /A

### TEST COMMENTS:

*A wet cool spring delayed planting. Plants were slow to develop. Rows finally shaded over in late August. Rainfall was above normal, except for two weeks in late August/early September. Aphid pressure was low, though Leon did note some frogeye leaf spot across his fields. Some plants showed minor signs of white mold and SDS. Plants stood very well at harvest, in spite of heavy rains in late Sept/early Oct.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
ANDERSON	217RXT	RRX	2.0	MR	<b>71.0</b>	10.3	0	124.6	621	1
CREDENZ	CZ 2230GTLL	LG27	2.2	MR	<b>68.5</b>	10.8	0	125.1	599	2
PIONEER	P23A32X §	RRX	2.3	R	<b>68.3</b>	11.6	0	124.6	598	3
PIONEER	P21A28X §	RRX	2.1	R	<b>67.8</b>	10.3	0	124.6	593	4
ASGROW	AG21X9 GC	RRX	2.1	R	<b>67.7</b>	11.3	0	122.7	592	5
CORNELIUS	CB20X22	RRX	2.0	R	<b>67.2</b>	10.4	0	125.5	588	6
GOLDEN HARVEST	GH2041X §	RRX	2.0	R	<b>66.7</b>	10.3	0	122.3	584	7
GOLD COUNTRY	2249X	RRX	2.2	R	<b>66.3</b>	13.5	0	120.9	579	9
PIONEER	P22T73R GC	RR	2.2	R	66.2	11.2	0	121.8	579	10
ANDERSON	20LG20	LG27	2.0	MR	66.2	9.8	0	119.9	579	8
GOLD COUNTRY	2138X	RRX	2.1	R	65.9	10.1	0	121.3	577	11
GOLDEN HARVEST	GH2230X §	RRX	2.2	R	65.8	10.4	0	124.1	576	12
NK BRAND	S20-J5X §	RRX	2.0	R	65.1	10.8	0	120.9	570	13
GENESIS	G2340E	E3	2.3	R	65.1	12.5	0	122.7	570	14
RENK	RS200NX	RRX	2.1	R	64.9	10.8	0	121.3	568	15
HEFTY	H20X0	RRX	2.0	R	64.7	10.6	0	124.6	566	16
LATHAM	L 2159 R2X	RRX	2.1	R	64.7	10.8	0	121.8	566	17
LATHAM	L 2384 R2X	RRX	2.3	R	64.7	11.5	0	122.3	566	18
LATHAM	L 2228R2	RR2Y	2.2	R	64.5	10.0	0	125.5	564	19
NORTHSTAR	NS 62115NXR2	RRX	2.1	R	64.5	10.7	0	121.3	564	20
CREDENZ	CZ 2360GTLL	LG27	2.3	MR	64.3	10.7	0	123.2	563	21
DYNA-GRO	S21EN70	E3	2.1	R	64.1	10.8	0	125.5	561	22
FEDERAL	2190N R2X	RRX	2.1	R	63.9	10.5	0	121.3	559	23
STINE	23EB02 §	E3	2.3	R	63.9	12.6	0	124.1	559	24
THUNDER	SB8021N GC	RRX	2.1	R	63.7	10.2	0	124.1	557	25
LATHAM	L 2193 E3	E3	2.1	R	63.3	11.2	0	124.1	554	26
CORNELIUS	P3 2021E	E3	2.1	R	63.1	11.1	0	124.1	552	27
TITAN PRO	20GL8	LG27	2.0	R	63.0	10.3	0	122.3	551	28
NK BRAND	S21-W8X §	RRX	2.1	R	62.9	10.6	0	120.9	550	30
HEFTY	Z2301E	E3	2.3	R	62.8	11.8	0	125.1	550	29
GOLD COUNTRY	1939X CK	RRX	1.9	n/a	61.5	10.7	0	122.7	538	36

*Mark Querna*

Mark Querna

mark.querna@firstseedtests.com, (507) 380-9920

Averages = **63.7** **10.9** **0** **122.9** **557**

LSD (0.10) = 2.5 0.5 0

LSD (0.25) = 1.3 0.2 0

C.V. = 3.7

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.4 Drying = \$0.04 Prices: GMO = \$8.75; non-GMO = \$8.75

Report Date: 10/10/2019

Revised:10/11/2019

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

©2019, All rights reserved by Elite Field Genetics, LLC

**Early-Season Test Products (42 Total)**

Company/Brand	Brand/Product	Technology	SCN	RM
ANDERSON	159RXT GC	RRX	MR	1.5
ANDERSON	179RXT	RRX	MR	1.7
ANDERSON	180RXT	RRX	MR	1.8
ANDERSON	18LG20	LG27	MR	1.8
ASGROW	AG17X8 §	RRX	R	1.7
ASGROW	AG19X0 §	RRX	R	1.9
CORNELIUS	CB18X80	RRX	R	1.8
CORNELIUS	P3 2018E	E3	R	1.8
CREDENZ	CZ 1660GTLL	LG27	MR	1.6
CREDENZ	CZ 1850GTLL	LG27	MR	1.8
CREDENZ	CZ 1859GTLL	LG27	R	1.8
DAHLMAN	1014E3N GC	E3	R	1.4
DAHLMAN	6014XN GC	RRX	R	1.4
DYNA-GRO	S18XT38	RRX	MR	1.8
DYNA-GRO	S19XT30	RRX	R	1.9
ENESTVEDT	E1418RR2 GC	RR2Y	R	1.4
FEDERAL	1909N LLGT+	LG27	R	1.8
FEDERAL	2090N R2X	RRX	R	1.9
GENESIS	G1840E	E3	R	1.8
GOLD COUNTRY	1939X CK	RRX	R	1.9
GOLDEN HARVEST	GH1619X §	RRX	R	1.6
GOLDEN HARVEST	GH1915X §	RRX	R	1.9
HEFTY	H17X0	RRX	R	1.7
HEFTY	Z1800E	E3	R	1.8
HEFTY	Z1900E	E3	R	1.9
LATHAM	L 1748R2	RR2Y	R	1.7
LATHAM	L 1829 E3	E3	R	1.8
LATHAM	L 1858R2	RR2Y	R	1.8
LATHAM	L 1983 LLGT27	LG27	R	1.9
NK BRAND	S18-G4X §	RRX	R	1.8
NK BRAND	S18-H3X §	RRX	R	1.8
NORTHSTAR	NS 61775NXR2	RRX	R	1.7
NORTHSTAR	NS 81764NLG+	LG27	R	1.7
NORTHSTAR	NS 91974NE3	E3	R	1.9
PIONEER	P18A98X §	RRX	R	1.8
RENK	RS170NX	RRX	R	1.6

Company/Brand	Brand/Product	Technology	RM	SCN
STINE	17GA62 §	LG27	R	1.7
STINE	19GA02 §	LG27	R	1.9
TITAN PRO	18E9	E3	R	1.8
TITAN PRO	18GL8	LG27	R	1.8
TITAN PRO	19E8	E3	R	1.9
TITAN PRO	TP-16X88	RRX	R	1.6

**Full-Season Test Products (48 Total)**

Company/Brand	Brand/Product	Technology	SCN	RM
ANDERSON	20LG20	LG27	MR	2.0
ANDERSON	217RXT	RRX	MR	2.0
ASGROW	AG20X9 §	RRX	R	2.0
ASGROW	AG21X9 GC	RRX	R	2.1
CORNELIUS	CB20X22	RRX	R	2.0
CORNELIUS	CB21X55	RRX	R	2.1
CORNELIUS	P3 2021E	E3	R	2.1
CREDENZ	CZ 2040GTLL	LG27	R	2.0
CREDENZ	CZ 2230GTLL	LG27	MR	2.2
CREDENZ	CZ 2360GTLL	LG27	MR	2.3
DYNA-GRO	S21EN70	E3	R	2.1
DYNA-GRO	S21XT49	RRX	R	2.1
DYNA-GRO	S23XT90	RRX	R	2.3
FEDERAL	2190N R2X	RRX	R	2.1
FEDERAL	2280N R2X	RRX	R	2.2
GENESIS	G2140E	E3	R	2.1
GENESIS	G2181GL	LG27	R	2.2
GENESIS	G2340E	E3	R	2.3
GOLD COUNTRY	1939X CK	RRX	R	1.9
GOLD COUNTRY	2038X	RRX	R	2.0
GOLD COUNTRY	2138X	RRX	R	2.1
GOLD COUNTRY	2249X	RRX	R	2.2
GOLDEN HARVEST	GH2041X §	RRX	R	2.0
GOLDEN HARVEST	GH2230X §	RRX	R	2.2
HEFTY	H20X0	RRX	R	2.0
HEFTY	Z2000E	E3	R	2.0
HEFTY	Z2300E	E3	R	2.3
HEFTY	Z2301E	E3	R	2.3
LATHAM	L 2159 R2X	RRX	R	2.1
LATHAM	L 2193 E3	E3	R	2.1
LATHAM	L 2228R2	RR2Y	R	2.2
LATHAM	L 2384 R2X	RRX	R	2.3
NK BRAND	S20-J5X §	RRX	R	2.0
NK BRAND	S21-W8X §	RRX	R	2.1
NORTHSTAR	NS 62115NXR2	RRX	R	2.1
NORTHSTAR	NS 82024NLG+	LG27	R	2.0

Company/Brand	Brand/Product	Technology	RM	SCN
NORTHSTAR	NS 92335NE3	E3	R	2.3
PIONEER	P21A28X §	RRX	R	2.1
PIONEER	P22T73R GC	RR	R	2.2
PIONEER	P23A32X §	RRX	R	2.3
RENK	RS200NX	RRX	R	2.1
STINE	20EB23 §	E3	R	2.0
STINE	23EB02 §	E3	R	2.3
THUNDER	SB8021N GC	RRX	R	2.1
TITAN PRO	20E9	E3	R	2.0
TITAN PRO	20GL8	LG27	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

### Soybeans Technologies\*

---

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

---

### Soybean Cyst Nematode (SCN) Resistance Rating

---

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