

Test by: Southern MN FIRST New Richland, MN

## 2019 Soybeans Top 30 Harvest Report

Minnesota South Central [MNSC] WABASSO, MN  
Leon Plaetz, Redwood County, MN 56293

**Early-Season Test** 1.5 - 1.8 Day CRM  
S2019MNSC05a

**Top 30 of 36** For Gross Income  
(Sorted by Yield)  
Average of (3) Replications

**PREV. CROP/HERB:** Corn / Force, TripleFlex,  
atrazine, Laudis

**SOIL DESCRIPTION:** Webster clay loam, moderately  
drained, non-irrigated

**SOIL CONDITION:** high P, low K, 7.2 pH, 4.3%  
OM, 28.9 CEC

**TILLAGE/CULTIVATION:** Conventional W/ Fall Till

**PEST MANAGEMENT:** Boundary

**Applied N-P-K (units):** 0-0-0

**SEEDED - RATE - ROW:** Jun 6 140.0 /A 30" spacing

**HARVESTED - STAND:** Oct 26 121.6 /A

### TEST COMMENTS:

*This is the third year in a row that plot host Leon (and other farmers in parts of MN) has fought excessive water for most of the season. Leon did note that the weather from July, August and Sept was "not bad". October brought more rain, delaying crop maturity and harvest. This plot, and the field surrounding it, was affected by dicamba spray drift from a neighbor's field. However, statistical analysis by seed technology combined with field observations indicate that variability was more likely due to wet areas in the plots.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
LATHAM	L 1858R2	RR2Y	1.8	R	<b>61.8</b>	12.5	0	122.3	541	1
CREDENZ	CZ 1549GTLL	LG27	1.5	R	<b>61.6</b>	10.7	0	121.3	539	2
NK BRAND	S18-G4X §	RRX	1.8	R	<b>61.1</b>	10.2	0	121.8	535	3
HEFTY	Z1401E	E3	1.4	R	<b>60.7</b>	10.7	0	124.1	531	4
TITAN PRO	18GL8	LG27	1.8	R	59.3	10.8	0	123.7	519	5
NK BRAND	S18-H3X §	RRX	1.8	R	58.9	9.7	0	121.8	515	6
GOLDEN HARVEST	GH1619X §	RRX	1.6	R	58.1	10.0	0	120.9	508	7
GENESIS	G1680GL	LG27	1.6	R	57.7	9.9	0	121.8	505	8
TITAN PRO	18E9	E3	1.8	R	57.6	10.9	0	122.3	504	9
HEFTY	Z1800E	E3	1.8	R	57.5	10.9	0	124.1	503	10
DYNA-GRO	S18XT38	RRX	1.8	MR	57.3	10.2	0	121.8	501	11
ANDERSON	180RXT	RRX	1.8	MR	57.1	10.3	0	121.8	500	12
CORNELIUS	CB18X80 GC	RRX	1.8	R	56.8	9.9	0	120.9	497	13
TITAN PRO	TP-16X88	RRX	1.6	R	56.5	10.3	0	121.3	494	14
ANDERSON	159RXT	RRX	1.5	MR	56.5	10.0	0	122.7	494	15
LATHAM	L 1829 E3	E3	1.8	R	56.4	10.5	0	121.8	494	16
HEFTY	H18X8	RRX	1.8	MR	56.4	10.0	0	120.9	494	17
CREDENZ	CZ 1850GTLL	LG27	1.8	MR	56.2	9.8	0	121.8	492	18
RENK	RS170NX	RRX	1.6	R	56.1	11.8	0	119.5	491	19
STINE	15GA20 §	LG27	1.5	R	56.1	9.7	0	120.9	491	20
TITAN PRO	15GL9	LG27	1.5	R	56.0	9.9	0	122.3	490	21
ANDERSON	179RXT	RRX	1.7	MR	55.7	10.0	0	123.7	487	22
GENESIS	G1840E	E3	1.8	R	55.7	10.6	0	121.8	487	23
LATHAM	L 1793 LLGT27	LG27	1.7	R	55.5	10.0	0	121.3	486	24
CREDENZ	CZ 1859GTLL	LG27	1.8	R	55.5	10.1	0	120.9	486	25
RENK	RS153NR2	RR2Y	1.5	R	55.4	9.6	0	121.8	485	26
DYNA-GRO	S17XT29	RRX	1.7	R	55.4	10.2	0	120.4	485	27
STINE	13EA12 §	E3	1.3	R	53.7	9.8	0	121.8	470	29
PIONEER	P15T46R2 §	RR2Y	1.5	R	53.7	10.1	0	119.9	470	30
STINE	17GA62 §	LG27	1.7	R	53.5	9.9	0	122.3	468	31
ASGROW	AG17X8 CK	RRX	1.7	R	54.3	10.0	0	122.7	475	28

*Mark Querna*

Mark Querna

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Averages = **56.3** **10.2** **0** **121.6** **492**

LSD (0.10) = 3.6 1.0 0

LSD (0.25) = 1.9 0.5 0

C.V. = 6.1

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

Report Date: 10/29/2019

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† 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 Top 30 Harvest Report

Minnesota South Central [MNSC] WABASSO, MN  
Leon Plaetz, Redwood County, MN 56293

**Full-Season Test** 1.9 - 2.2 Day CRM  
S2019MNSC05b

**Top 30 of 42** For Gross Income  
(Sorted by Yield)  
Average of (2) Replications

**PREV. CROP/HERB:** Corn / Force, TripleFlex,  
atrazine, Laudis

**SOIL DESCRIPTION:** Webster clay loam, moderately  
drained, non-irrigated

**SOIL CONDITION:** high P, low K, 7.2 pH, 4.3%  
OM, 28.9 CEC

**TILLAGE/CULTIVATION:** Conventional W/ Fall Till

**PEST MANAGEMENT:** Boundary

**Applied N-P-K (units):** 0-0-0

**SEEDED - RATE - ROW:** Jun 6 140.0 /A 30" spacing

**HARVESTED - STAND:** Oct 26 121.3 /A

### TEST COMMENTS:

*This is the third year in a row that plot host Leon (and other farmers in parts of MN) has fought excessive water for most of the season. Leon did note that the weather from July, August and Sept was "not bad". October brought more rain, delaying crop maturity and harvest. This plot, and the field surrounding it, was affected by dicamba spray drift from a neighbor's field. However, statistical analysis by seed technology combined with field observations indicate that variability was more likely due to wet areas in the plots.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
ASGROW	AG20X9 §	RRX	2.0	R	<b>71.7</b>	10.1	0	123.2	627	1
ASGROW	AG21X9 §	RRX	2.1	R	<b>63.9</b>	10.6	0	121.8	559	2
GOLD COUNTRY	2249X	RRX	2.2	R	<b>63.0</b>	11.8	0	123.2	551	3
HEFTY	H20X0	RRX	2.0	R	<b>62.4</b>	10.1	0	119.7	546	4
LATHAM	L 2193 E3	E3	2.1	R	<b>61.4</b>	11.3	0	121.1	537	5
NK BRAND	S20-J5X §	RRX	2.0	R	<b>61.3</b>	9.8	0	121.1	536	6
FEDERAL	2190N R2X	RRX	2.1	R	60.4	9.8	0	118.3	528	7
PIONEER	P21A28X §	RRX	2.1	R	60.1	11.1	0	119.0	525	8
CREDENZ	CZ 2230GTL	LG27	2.2	MR	59.9	10.5	0	122.5	524	9
TITAN PRO	TP-20X98	RRX	2.0	R	59.8	10.2	0	121.1	523	10
HEFTY	H21X9	RRX	2.1	MR	59.8	11.8	0	121.8	523	11
GOLDEN HARVEST	GH2041X §	RRX	2.0	R	59.8	10.0	0	121.8	523	12
LATHAM	L 1983 LLGT27	LG27	1.9	R	59.6	9.3	0	121.8	522	13
FEDERAL	2109N LLGT+	LG27	2.1	R	59.5	9.7	0	121.8	521	14
GENESIS	G2140E	E3	2.1	R	59.4	10.4	0	121.8	520	15
GOLD COUNTRY	1939X	RRX	1.9	R	59.4	10.7	0	121.1	520	16
GOLD COUNTRY	2038X	RRX	2.0	R	59.2	10.0	0	119.0	518	17
GOLD COUNTRY	2138X	RRX	2.1	R	58.9	9.9	0	121.1	515	18
DYNA-GRO	S21XT49	RRX	2.1	R	58.8	9.8	0	121.1	514	19
ASGROW	AG19X0 §	RRX	1.9	R	58.7	10.5	0	123.2	513	20
GOLDEN HARVEST	GH2230X §	RRX	2.2	R	58.6	10.2	0	119.7	513	21
CORNELIUS	CB20X22 GC	RRX	2.0	R	58.6	10.0	0	120.4	513	22
ANDERSON	217RXT	RRX	2.0	MR	58.5	9.8	0	119.7	512	23
DYNA-GRO	S19XT30	RRX	1.9	R	58.3	10.3	0	119.7	510	24
ANDERSON	20LG20	LG27	2.0	MR	58.2	9.7	0	124.6	509	25
LATHAM	L 2228R2	RR2Y	2.2	R	58.2	9.8	0	123.2	508	26
HEFTY	Z2000E	E3	2.0	R	58.0	9.9	0	121.8	508	27
RENK	RS207NX	RRX	2.0	R	57.4	9.7	0	120.4	502	28
NK BRAND	S21-W8X §	RRX	2.1	R	57.3	9.6	0	124.6	500	29
LATHAM	L 1995 E3	E3	1.9	R	57.1	10.2	0	121.1	500	30
ASGROW	AG17X8 CK	RRX	1.7	R	53.8	10.4	0	122.5	471	39

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Averages = **58.1** **10.2** **0** **121.3** **511**

LSD (0.10) = 3.0 0.7 0

LSD (0.25) = 1.6 0.4 0

C.V. = 3.9

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

## 2019 Soybeans - Minnesota South Central [ MNSC ]

### Early-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	SCN	RM
ANDERSON	159RXT	RRX	MR	1.5
ANDERSON	179RXT	RRX	MR	1.7
ANDERSON	180RXT	RRX	MR	1.8
ANDERSON	18LG20	LG27	MR	1.8
ASGROW	AG17X8 CK	RRX	R	1.7
CORNELIUS	CB18X80 GC	RRX	R	1.8
CREDENZ	CZ 1549GTLL	LG27	R	1.5
CREDENZ	CZ 1660GTLL	LG27	MR	1.6
CREDENZ	CZ 1850GTLL	LG27	MR	1.8
CREDENZ	CZ 1859GTLL	LG27	R	1.8
DYNA-GRO	S17XT29	RRX	R	1.7
DYNA-GRO	S18XT38	RRX	MR	1.8
FEDERAL	1909N LLGT+	LG27	R	1.8
GENESIS	G1680GL	LG27	R	1.6
GENESIS	G1840E	E3	R	1.8
GOLDEN HARVEST	GH1538X §	RRX	R	1.5
GOLDEN HARVEST	GH1619X §	RRX	R	1.6
HEFTY	H18X8	RRX	MR	1.8
HEFTY	Z1401E	E3	R	1.4
HEFTY	Z1800E	E3	R	1.8
LATHAM	L 1648 LLGT27	LG27	R	1.6
LATHAM	L 1793 LLGT27	LG27	R	1.7
LATHAM	L 1829 E3	E3	R	1.8
LATHAM	L 1858R2	RR2Y	R	1.8
NK BRAND	S18-G4X §	RRX	R	1.8
NK BRAND	S18-H3X §	RRX	R	1.8
PIONEER	P15T46R2 §	RR2Y	R	1.5
RENK	RS153NR2	RR2Y	R	1.5
RENK	RS170NX	RRX	R	1.6
STINE	13EA12 §	E3	R	1.3
STINE	15GA20 §	LG27	R	1.5
STINE	17GA62 §	LG27	R	1.7
TITAN PRO	15GL9	LG27	R	1.5
TITAN PRO	18E9	E3	R	1.8
TITAN PRO	18GL8	LG27	R	1.8
TITAN PRO	TP-16X88	RRX	R	1.6

## 2019 Soybeans - Minnesota South Central [ MNSC ]

### Full-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technology	SCN	RM
ANDERSON	20LG20	LG27	MR	2.0
ANDERSON	217RXT	RRX	MR	2.0
ASGROW	AG17X8 CK	RRX	R	1.7
ASGROW	AG19X0 §	RRX	R	1.9
ASGROW	AG20X9 §	RRX	R	2.0
ASGROW	AG21X9 §	RRX	R	2.1
CORNELIUS	CB20X22 GC	RRX	R	2.0
CORNELIUS	P3 2018E GC	E3	R	1.8
CREDENZ	CZ 2040GTLL	LG27	R	2.0
CREDENZ	CZ 2230GTLL	LG27	MR	2.2
DYNA-GRO	S19XT30	RRX	R	1.9
DYNA-GRO	S21EN70	E3	R	2.1
DYNA-GRO	S21XT49	RRX	R	2.1
FEDERAL	2109N LLGT+	LG27	R	2.1
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
GOLD COUNTRY	1939X	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	H21X9	RRX	MR	2.1
HEFTY	Z1900E	E3	R	1.9
HEFTY	Z2000E	E3	R	2.0
LATHAM	L 1983 LLGT27	LG27	R	1.9
LATHAM	L 1995 E3	E3	R	1.9
LATHAM	L 2193 E3	E3	R	2.1
LATHAM	L 2228R2	RR2Y	R	2.2
NK BRAND	S20-J5X §	RRX	R	2.0
NK BRAND	S21-W8X §	RRX	R	2.1
PIONEER	P19A14X §	RRX	R	1.9
PIONEER	P21A28X §	RRX	R	2.1

Company/Brand	Brand/Product	Technology	RM	SCN
RENK	RS200NX	RRX	R	2.1
RENK	RS207NX	RRX	R	2.0
TITAN PRO	19E8	E3	R	1.9
TITAN PRO	20E9	E3	R	2.0
TITAN PRO	22E8	E3	R	2.2
TITAN PRO	TP-20X98	RRX	R	2.0

## 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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