

Test by: Southern MN FIRST New Richland, MN

## 2019 Soybeans Top 30 Harvest Report

Minnesota South Central [MNSC] MADISON LAKE, MN  
Mike Krenik, Le Sueur County, MN 56063

<b>Early-Season Test</b>	1.5 - 1.8 Day CRM S2019MNSC06a
<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / SureStart
<b>SOIL DESCRIPTION:</b>	Lesueur, Lester loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, high K, 5.6 pH, 3.9% OM, 21.1 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Dual Magnum, Flexstar
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	Jun 10 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 20 120.0 /A

### TEST COMMENTS:

*Cool wet weather delayed planting. July had 90 degree temps for a week but the rest of the season was cooler. 10.6" of rain fell in July, but Mike noted that moisture was short from about July 20 through Aug 10. Plants were short at harvest, but they stood straight with no branching or lodging. Rainfall totaled 33.29" April - Oct 1, and about 3" fell in Oct, delaying harvest.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
HEFTY	Z1401E	E3	1.4	R	<b>59.7</b>	12.3	0	121.8	522	1
NK BRAND	S18-H3X §	RRX	1.8	R	<b>59.4</b>	12.6	0	120.4	520	2
LATHAM	L 1858R2	RR2Y	1.8	R	<b>58.5</b>	12.1	0	120.4	512	3
CREDENZ	CZ 1549GTLL	LG27	1.5	R	<b>58.4</b>	13.3	0	121.8	510	4
NK BRAND	S18-G4X §	RRX	1.8	R	<b>56.9</b>	12.9	0	120.9	498	6
HEFTY	H18X8	RRX	1.8	MR	55.9	12.1	0	120.9	489	7
CREDENZ	CZ 1850GTLL	LG27	1.8	MR	55.5	12.5	0	116.2	486	8
STINE	13EA12 §	E3	1.3	R	54.3	12.3	0	119.5	475	9
ANDERSON	179RXT	RRX	1.7	MR	52.9	12.0	0	119.9	463	10
GOLDEN HARVEST	GH1619X §	RRX	1.6	R	52.8	12.7	0	120.9	462	11
STINE	17GA62 §	LG27	1.7	R	52.4	12.3	0	123.2	458	12
RENK	RS153NR2	RR2Y	1.5	R	52.1	12.4	0	121.3	456	13
CREDENZ	CZ 1660GTLL	LG27	1.6	MR	51.9	12.5	0	122.3	454	14
TITAN PRO	TP-16X88	RRX	1.6	R	51.9	12.5	0	118.1	454	15
ANDERSON	18LG20	LG27	1.8	MR	51.8	12.8	0	124.6	453	16
CREDENZ	CZ 1859GTLL	LG27	1.8	R	51.3	12.6	0	123.7	449	17
GOLDEN HARVEST	GH1538X §	RRX	1.5	R	50.9	12.0	0	118.1	445	18
DYNA-GRO	S17XT29	RRX	1.7	R	50.7	12.8	0	120.4	444	19
FEDERAL	1909N LLGT+	LG27	1.8	R	50.4	12.7	0	118.5	441	20
ANDERSON	180RXT	RRX	1.8	MR	49.8	12.6	0	120.4	436	21
TITAN PRO	15GL9	LG27	1.5	R	49.6	12.7	0	122.3	434	22
DYNA-GRO	S18XT38	RRX	1.8	MR	49.2	12.1	0	114.8	430	23
LATHAM	L 1648 LLGT27	LG27	1.6	R	49.0	12.1	0	120.4	429	24
STINE	15GA20 §	LG27	1.5	R	48.4	12.4	0	121.3	424	25
RENK	RS170NX	RRX	1.6	R	48.3	12.1	0	119.0	423	26
HEFTY	Z1800E	E3	1.8	R	48.1	13.7	0	119.9	419	27
TITAN PRO	18GL8	LG27	1.8	R	46.9	12.9	0	117.1	410	28
PIONEER	P15T46R2 §	RR2Y	1.5	R	46.3	12.2	0	120.4	405	29
LATHAM	L 1829 E3	E3	1.8	R	46.2	14.0	0	119.5	402	30
GENESIS	G1840E	E3	1.8	R	45.7	13.8	0	118.1	398	31
ASGROW	AG17X8 CK	RRX	1.7	n/a	58.1	12.4	0	122.7	508	5

*Mark Querna*

Mark Querna

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Averages =	<b>50.9</b>	<b>12.6</b>	<b>0</b>	<b>120.0</b>	<b>445</b>
LSD (0.10) =	6.1	0.5	0		
LSD (0.25) =	3.2	0.3	0		
C.V. =	11.3				

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

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## 2019 Soybeans Top 30 Harvest Report

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Mike Krenik, Le Sueur County, MN 56063

<b>Full-Season Test</b>	1.9 - 2.2 Day CRM S2019MNSC06b
<b>Top 30 of 42</b>	For Gross Income (Sorted by Yield) Average of (2) Replications
<b>PREV. CROP/HERB:</b>	Corn / SureStart
<b>SOIL DESCRIPTION:</b>	Lesueur, Lester loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, high K, 5.6 pH, 3.9% OM, 21.1 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Dual Magnum, Flexstar
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	Jun 10 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 20 121.0 /A

### TEST COMMENTS:

*Cool wet weather delayed planting. July had 90 degree temps for a week but the rest of the season was cooler. 10.6" of rain fell in July, but Mike noted that moisture was short from about July 20 through Aug 10. Plants were short at harvest, but they stood straight with no branching or lodging. Rainfall totaled 33.29" April - Oct 1, and about 3" fell in Oct, delaying harvest.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank	
ASGROW	AG21X9 §	RRX	2.1	R	<b>63.2</b>	13.7	0	120.4	551	1	
LATHAM	L 2228R2	RR2Y	2.2	R	<b>62.8</b>	12.6	0	121.8	550	2	
LATHAM	L 2193 E3	E3	2.1	R	62.1	14.0	0	125.3	541	5	
NK BRAND	S20-J5X §	RRX	2.0	R	62.1	12.6	0	119.7	542	3	
NK BRAND	S21-W8X §	RRX	2.1	R	62.0	12.8	0	119.7	542	4	
RENK	RS207NX	RRX	2.0	R	61.7	12.2	0	123.9	539	6	
HEFTY	Z2000E	E3	2.0	R	61.1	13.3	0	120.4	534	7	
GOLD COUNTRY	2249X	RRX	2.2	R	61.0	14.5	0	118.3	530	9	
DYNA-GRO	S21EN70	E3	2.1	R	61.0	13.4	0	121.1	533	8	
FEDERAL	2280N R2X	RRX	2.2	R	60.4	12.9	0	121.1	528	10	
GOLD COUNTRY	2038X	RRX	2.0	R	60.2	12.5	0	119.7	526	11	
GOLDEN HARVEST	GH2041X §	RRX	2.0	R	60.0	12.5	0	123.9	525	12	
PIONEER	P21A28X §	RRX	2.1	R	59.9	13.6	0	120.4	523	14	
HEFTY	H20X0	RRX	2.0	R	59.9	13.1	0	119.7	524	13	
HEFTY	H21X9	RRX	2.1	MR	59.7	12.2	0	124.6	522	15	
ASGROW	AG19X0 §	RRX	1.9	R	59.4	13.0	0	119.7	520	16	
CORNELIUS	CB20X22 GC	RRX	2.0	R	59.4	14.4	0	121.1	516	18	
FEDERAL	2190N R2X	RRX	2.1	R	59.2	12.8	0	119.0	518	17	
GOLDEN HARVEST	GH2230X §	RRX	2.2	R	59.1	12.8	0	119.7	516	19	
TITAN PRO	22E8	E3	2.2	R	58.8	14.1	0	118.3	512	23	
ASGROW	AG20X9 §	RRX	2.0	R	58.8	12.6	0	116.2	514	20	
GOLD COUNTRY	1939X	RRX	1.9	R	58.7	12.4	0	123.9	514	21	
ANDERSON	217RXT	RRX	2.0	MR	58.5	11.9	0	122.5	512	22	
TITAN PRO	TP-20X98	RRX	2.0	R	58.4	12.5	0	121.8	511	24	
HEFTY	Z1900E	E3	1.9	R	58.4	13.3	0	121.8	510	25	
RENK	RS200NX	RRX	2.1	R	57.7	13.1	0	124.6	504	26	
TITAN PRO	20E9	E3	2.0	R	57.3	14.0	0	119.7	499	28	
GENESIS	G2140E	E3	2.1	R	57.2	13.4	0	123.9	499	27	
FEDERAL	2109N LLGT+	LG27	2.1	R	56.5	12.7	0	123.2	494	29	
DYNA-GRO	S21XT49	RRX	2.1	R	55.9	12.5	0	120.4	489	30	
ASGROW	AG17X8 CK	RRX	1.7	n/a	55.4	12.4	0	121.8	485	31	
					Averages =	<b>57.4</b>	<b>13.0</b>	<b>0</b>	<b>121.0</b>	<b>502</b>	
					LSD (0.10) =	5.0	0.6	0			
					LSD (0.25) =	2.6	0.3	0			
					C.V. =	6.7					

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

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

Company/Brand	Brand/Product	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

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

Company/Brand	Brand/Product	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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