

Test by: Southern MN FIRST New Richland, MN

2019 Soybeans Top 30 Harvest Report

Minnesota South [MNSO] EASTON, MN
Dru Martin, Faribault County, MN 56025

Early-Season Test	1.6 - 1.9 Day CRM S2019MNSO02a
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Resicore
SOIL DESCRIPTION:	Marna silty clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	medium P, medium K, 6.0 pH, 5.9% OM, 34.2 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Flexstar Gt
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 2 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 17 120.8 /A

TEST COMMENTS:

Soil was moist at this late planting date, and this plot was never short of water all season. Dru's weather station recorded 33 inches of rainfall at this site this year. Dru states that yields around this plot ranged from 60 to 75 bpa on his yield monitor. Light hail hit this plot earlier this summer, but no evidence of damage was visible at harvest. More rain in October delayed harvest.

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	73.4	12.6	0	120.9	642	1
NK BRAND	S18-H3X §	RRX	1.8	R	68.3	12.7	0	119.9	598	2
ASGROW	AG19X0 §	RRX	1.9	R	68.2	12.8	0	120.9	597	3
GOLDEN HARVEST	GH1619X §	RRX	1.6	R	66.4	13.2	0	121.3	580	4
LATHAM	L 1858R2	RR2Y	1.8	R	65.7	12.9	0	121.8	575	5
FEDERAL	2090N R2X	RRX	1.9	R	65.2	12.9	0	122.7	570	7
CORNELIUS	CB18X80	RRX	1.8	R	65.2	12.8	0	120.9	570	6
NK BRAND	S18-G4X §	RRX	1.8	R	65.0	13.4	0	120.4	568	8
STINE	19GA02 §	LG27	1.9	R	64.8	12.7	0	118.1	567	9
ENESTVEDT	E1418RR2 GC	RR2Y	1.4	R	64.1	12.9	0	117.6	561	10
DYNA-GRO	S18XT38	RRX	1.8	MR	63.5	13.1	0	121.8	555	11
RENK	RS170NX	RRX	1.6	R	63.3	12.7	0	123.7	554	12
CREDENZ	CZ 1660GTLL	LG27	1.6	MR	63.2	13.2	0	119.0	553	13
FEDERAL	1909N LLGT+	LG27	1.8	R	63.2	13.1	0	122.5	552	14
TITAN PRO	18GL8	LG27	1.8	R	63.0	13.1	0	119.9	551	16
NORTHSTAR	NS 61775NXR2	RRX	1.7	R	63.0	12.8	0	119.5	551	15
TITAN PRO	TP-16X88	RRX	1.6	R	63.0	12.9	0	121.3	551	17
HEFTY	H17X0	RRX	1.7	R	62.9	12.3	0	121.8	550	19
DAHLMAN	1014E3N GC	E3	1.4	R	62.8	12.9	0	119.5	550	18
CREDENZ	CZ 1859GTLL	LG27	1.8	R	62.6	13.3	0	119.5	547	21
LATHAM	L 1983 LLGT27	LG27	1.9	R	62.5	12.6	0	121.3	547	22
ASGROW	AG17X8 §	RRX	1.7	R	62.5	12.6	0	123.7	547	20
TITAN PRO	19E8	E3	1.9	R	62.4	13.3	0	120.4	545	24
ANDERSON	180RXT	RRX	1.8	MR	62.4	12.9	0	120.4	546	23
DYNA-GRO	S19XT30	RRX	1.9	R	62.1	12.9	0	122.7	543	25
NORTHSTAR	NS 81764NLG+	LG27	1.7	R	62.0	13.0	0	122.3	542	26
TITAN PRO	18E9	E3	1.8	R	61.9	14.1	0	122.7	539	27
ANDERSON	179RXT	RRX	1.7	MR	61.2	12.8	0	117.1	536	28
STINE	17GA62 §	LG27	1.7	R	61.1	13.2	0	119.9	534	29
LATHAM	L 1748R2	RR2Y	1.7	R	60.3	12.9	0	119.9	528	30
GOLD COUNTRY	1939X CK	RRX	1.9	n/a	58.1	12.6	0	123.7	508	39

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Averages =	62.4	13.1	0	120.8	545
LSD (0.10) =	2.9	0.3	0		
LSD (0.25) =	1.5	0.2	0		
C.V. =	4.4				

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

Report Date: 10/18/2019

† 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 [MNSO] EASTON, MN
Dru Martin, Faribault County, MN 56025

Full-Season Test	2.0 - 2.3 Day CRM S2019MNSO02b
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Resicore
SOIL DESCRIPTION:	Marna silty clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	medium P, medium K, 6.0 pH, 5.9% OM, 34.2 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Flexstar Gt
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 2 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 17 121.9 /A

TEST COMMENTS:

Soil was moist at this late planting date, and this plot was never short of water all season. Dru's weather station recorded 33 inches of rainfall at this site this year. Dru states that yields around this plot ranged from 60 to 75 bpa on his yield monitor. Light hail hit this plot earlier this summer, but no evidence of damage was visible at harvest. More rain in October delayed harvest.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
GOLD COUNTRY	2138X	RRX	2.1	R	71.5	13.0	0	124.6	626	1
ASGROW	AG21X9 GC	RRX	2.1	R	70.3	12.5	0	121.8	615	2
ANDERSON	217RXT	RRX	2.0	MR	69.1	13.0	0	120.4	605	3
GOLDEN HARVEST	GH2230X §	RRX	2.2	R	69.0	12.4	0	121.8	604	4
NK BRAND	S21-W8X §	RRX	2.1	R	68.8	12.7	0	124.1	602	5
NK BRAND	S20-J5X §	RRX	2.0	R	68.6	12.5	0	121.3	600	6
GOLDEN HARVEST	GH2041X §	RRX	2.0	R	68.5	12.6	0	120.9	599	7
CORNELIUS	CB20X22	RRX	2.0	R	68.4	13.3	0	119.7	598	8
FEDERAL	2280N R2X	RRX	2.2	R	68.4	13.3	0	121.3	598	9
GOLD COUNTRY	2038X	RRX	2.0	R	67.8	12.7	0	123.7	593	10
FEDERAL	2190N R2X	RRX	2.1	R	67.4	13.7	0	121.3	588	11
ASGROW	AG20X9 §	RRX	2.0	R	66.8	12.8	0	120.9	584	12
HEFTY	H20X0	RRX	2.0	R	66.2	12.9	0	122.3	579	13
CREDENZ	CZ 2040GTLL	LG27	2.0	R	65.7	12.6	0	123.7	575	14
PIONEER	P23A32X §	RRX	2.3	R	65.6	12.9	0	124.1	574	15
PIONEER	P22T73R GC	RR	2.2	R	65.6	13.5	0	122.3	573	16
RENK	RS200NX	RRX	2.1	R	65.2	12.8	0	123.2	570	17
LATHAM	L 2159 R2X	RRX	2.1	R	65.0	13.1	0	118.1	569	18
PIONEER	P21A28X §	RRX	2.1	R	64.5	12.9	0	121.8	564	19
HEFTY	Z2000E	E3	2.0	R	64.3	13.2	0	122.3	562	20
THUNDER	SB8021N GC	RRX	2.1	R	64.1	12.9	0	123.2	561	21
CORNELIUS	P3 2021E	E3	2.1	R	63.7	13.3	0	121.3	557	22
NORTHSTAR	NS 82024NLG+	LG27	2.0	R	63.7	12.7	0	121.3	557	23
DYNA-GRO	S21XT49	RRX	2.1	R	63.6	13.1	0	121.3	556	24
GENESIS	G2140E	E3	2.1	R	63.5	12.9	0	125.1	556	25
CREDENZ	CZ 2230GTLL	LG27	2.2	MR	63.1	12.8	0	120.4	552	27
LATHAM	L 2228R2	RR2Y	2.2	R	63.1	12.8	0	119.9	552	28
LATHAM	L 2193 E3	E3	2.1	R	63.0	12.8	0	122.7	551	29
TITAN PRO	20GL8	LG27	2.0	R	62.9	12.7	0	119.5	550	30
ANDERSON	20LG20	LG27	2.0	MR	62.7	12.4	0	119.9	549	31
GOLD COUNTRY	1939X CK	RRX	1.9	n/a	63.2	12.3	0	119.9	553	26

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Averages = **63.9** **13.1** **0** **121.9** **559**

LSD (0.10) = 3.5 0.4 0

LSD (0.25) = 1.8 0.2 0

C.V. = 5.2

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 (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