

Test by: Southern MN FIRST New Richland, MN

2019 Soybeans Top 30 Harvest Report

Minnesota South [MNSO] KASSON, MN
Brian Herbst, Dodge County, MN 55944

Early-Season Test	1.6 - 1.9 Day CRM S2019MNSO04a
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Corn / Force, Laudis, atrazine
SOIL DESCRIPTION:	Readlyn silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	very high P, high K, 6.3 pH, 3.1% OM, 17.2 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Brawl, Flexstar, Roundup Powermax, Vaquero
Applied N-P-K (units):	10-49-150
SEEDED - RATE - ROW:	May 26 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 18 121.3 /A

TEST COMMENTS:

Brian reports over 56" fell this season vs. the average of about 28". Two huge rain events fell in mid to late June. Moderate temps were changing often. Soybeans respond to stresses and, apparently, plenty of moisture and lower solar radiation kept these soybeans filling pods. Brian's yields have been similar to this plot data. Killing frost did not occur here until a few days ago.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
ENESTVEDT	E1418RR2 GC	RR2Y	1.4	R	70.5	12.1	0	120.4	617	1
FEDERAL	2090N R2X	RRX	1.9	R	70.1	12.3	0	124.6	612	2
LATHAM	L 1829 E3	E3	1.8	R	69.7	12.5	0	121.8	610	3
TITAN PRO	19E8	E3	1.9	R	69.2	12.5	0	119.7	606	4
HEFTY	Z1800E	E3	1.8	R	68.6	12.8	0	122.5	599	7
CORNELIUS	P3 2018E	E3	1.8	R	68.5	12.7	0	122.5	599	6
CORNELIUS	CB18X80	RRX	1.8	R	68.5	12.5	0	120.4	599	5
GENESIS	G1840E	E3	1.8	R	68.0	12.9	0	125.3	595	8
DAHLMAN	1014E3N GC	E3	1.4	R	67.6	11.8	0	118.3	592	9
DYNA-GRO	S18XT38	RRX	1.8	MR	67.5	11.9	0	121.8	591	10
DYNA-GRO	S19XT30	RRX	1.9	R	67.2	12.2	0	120.4	588	11
ASGROW	AG19X0 §	RRX	1.9	R	66.9	12.4	0	118.3	585	12
LATHAM	L 1858R2	RR2Y	1.8	R	66.8	11.8	0	116.2	584	13
RENK	RS170NX	RRX	1.6	R	66.8	11.8	0	120.4	584	14
NK BRAND	S18-G4X §	RRX	1.8	R	66.0	11.8	0	121.8	578	15
NORTHSTAR	NS 91974NE3	E3	1.9	R	65.9	12.4	0	119.7	576	16
TITAN PRO	18E9	E3	1.8	R	65.9	13.0	0	122.5	576	17
STINE	19GA02 §	LG27	1.9	R	65.3	12.0	0	123.9	571	18
PIONEER	P18A98X §	RRX	1.8	R	64.9	11.9	0	116.9	568	20
HEFTY	Z1900E	E3	1.9	R	64.3	12.3	0	121.1	562	21
DAHLMAN	6014XN GC	RRX	1.4	R	63.3	12.1	0	119.0	553	22
NK BRAND	S18-H3X §	RRX	1.8	R	62.9	11.5	0	119.0	550	23
LATHAM	L 1983 LLGT27	LG27	1.9	R	62.3	11.4	0	121.1	545	24
ANDERSON	159RXT GC	RRX	1.5	MR	62.2	12.0	0	120.4	543	25
TITAN PRO	TP-16X88	RRX	1.6	R	61.9	11.6	0	123.9	542	26
GOLDEN HARVEST	GH1915X §	RRX	1.9	R	61.1	11.4	0	123.9	535	27
ANDERSON	18LG20	LG27	1.8	MR	61.0	11.8	0	121.1	534	28
CREDENZ	CZ 1660GTLL	LG27	1.6	MR	60.5	12.2	0	123.9	529	29
NORTHSTAR	NS 81764NLG+	LG27	1.7	R	59.6	11.7	0	121.1	521	30
ASGROW	AG17X8 §	RRX	1.7	R	59.4	11.6	0	122.5	520	31
GOLD COUNTRY	1939X CK	RRX	1.9	n/a	65.3	13.1	0	121.8	570	19

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Averages = **63.2** **12.0** **0** **121.3** **553**

LSD (0.10) = 4.3 0.3 0

LSD (0.25) = 2.3 0.2 0

C.V. = 5.3

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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Full-Season Test	2.0 - 2.3 Day CRM S2019MNSO04b
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
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SOIL CONDITION:	very high P, high K, 6.3 pH, 3.1% OM, 17.2 CEC
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Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
PIONEER	P21A28X §	RRX	2.1	R	71.6	12.5	0	120.4	626	1
CREDENZ	CZ 2040GTLL	LG27	2.0	R	67.0	11.7	0	125.5	586	2
FEDERAL	2280N R2X	RRX	2.2	R	66.3	12.3	0	119.0	580	3
TITAN PRO	23E9	E3	2.3	R	65.8	13.5	0	125.1	575	4
FEDERAL	2190N R2X	RRX	2.1	R	65.5	11.9	0	119.9	573	5
NK BRAND	S21-W8X §	RRX	2.1	R	65.3	11.7	0	121.3	571	6
PIONEER	P23A32X §	RRX	2.3	R	64.8	12.4	0	122.7	567	7
TITAN PRO	20GL8	LG27	2.0	R	64.7	12.1	0	120.9	566	8
GOLD COUNTRY	2138X	RRX	2.1	R	64.5	11.6	0	121.8	564	9
GOLDEN HARVEST	GH2230X §	RRX	2.2	R	64.3	11.8	0	124.6	563	10
GOLD COUNTRY	2249X	RRX	2.2	R	64.2	14.3	0	124.1	558	16
GENESIS	G2340E	E3	2.3	R	64.0	13.5	0	121.3	559	14
NK BRAND	S20-J5X §	RRX	2.0	R	63.9	11.5	0	124.1	559	13
DYNA-GRO	S23XT90	RRX	2.3	R	63.9	12.3	0	124.6	559	11
GOLD COUNTRY	2038X	RRX	2.0	R	63.9	11.8	0	122.5	559	12
ANDERSON	217RXT	RRX	2.0	MR	63.8	11.9	0	123.2	558	15
NORTHSTAR	NS 92335NE3	E3	2.3	R	63.8	13.3	0	125.1	558	17
GOLDEN HARVEST	GH2041X §	RRX	2.0	R	63.7	11.5	0	120.4	557	18
NORTHSTAR	NS 82024NLG+	LG27	2.0	R	63.6	11.9	0	124.1	556	19
THUNDER	SB8021N GC	RRX	2.1	R	63.4	12.5	0	121.3	555	20
LATHAM	L 2384 R2X	RRX	2.3	R	63.0	14.0	0	123.2	549	22
TITAN PRO	22E8	E3	2.2	R	62.8	13.4	0	120.4	548	23
CORNELIUS	CB20X22	RRX	2.0	R	62.7	12.6	0	120.9	549	21
HEFTY	Z2301E	E3	2.3	R	62.5	12.9	0	121.8	547	24
HEFTY	Z2300E	E3	2.3	R	62.5	13.4	0	121.3	546	26
CREDENZ	CZ 2230GTLL	LG27	2.2	MR	62.4	12.2	0	123.7	546	25
ANDERSON	20LG20	LG27	2.0	MR	61.9	11.5	0	120.4	542	27
TITAN PRO	20E9	E3	2.0	R	61.9	12.7	0	119.5	542	28
PIONEER	P22T73R GC	RR	2.2	R	61.8	12.5	0	123.7	541	29
GENESIS	G2181GL	LG27	2.2	R	61.8	12.7	0	122.3	541	30
GOLD COUNTRY	1939X CK	RRX	1.9	n/a	58.0	12.2	0	118.1	508	45
					Averages =	62.4	12.5	0	122.2	545
					LSD (0.10) =	3.6	0.4	0		
					LSD (0.25) =	1.9	0.2	0		
					C.V. =	5.5				

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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 (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