

2019 Soybeans Top 30 Performance Summary for Minnesota South Central [MNSC]



Test by: Southern MN FIRST New Richland, MN

Early-Season Test

1.5 - 1.8 Day CRM

S2019MNSCa

Top 30 of 36

For Gross Income (Sorted by Yield), (11) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A	Protein (%)	Oil (%)	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Cannon Falls	Madison Lake	Nerstrand *	Wabasso
HEFTY	Z1401E	E3	1.4	R	63.3	34.6	17.9	13.0	0	552	1	57.9	59.7	74.9	60.7
LATHAM	L 1858R2	RR2Y	1.8	R	62.9	33.9	18.2	12.4	0	550	2	58.5	58.5	72.7	61.8
NK BRAND	S18-H3X §	RRX	1.8	R	62.1	35.0	18.0	11.8	0	543	3	63.1	59.4	67.0	58.9
TITAN PRO	15GL9	LG27	1.5	R	61.6	34.7	18.6	12.1	0	539	4	69.6	49.6	71.2	56.0
GOLDEN HARVEST	GH1619X §	RRX	1.6	R	61.1	32.1	19.2	12.1	0	534	6	62.6	52.8	70.8	58.1
LATHAM	L 1648 LLGT27	LG27	1.6	R	60.9	34.6	18.7	12.0	0	532	7	71.7	49.0	70.7	52.1
NK BRAND	S18-G4X §	RRX	1.8	R	60.7	34.4	17.9	12.4	1	531	8	58.0	56.9	66.8	61.1
TITAN PRO	TP-16X88	RRX	1.6	R	60.4	35.4	18.4	12.1	0	528	9	66.5	51.9	66.8	56.5
DYNA-GRO	S17XT29	RRX	1.7	R	60.3	35.6	18.3	12.1	0	528	10	64.7	50.7	70.5	55.4
RENK	RS170NX	RRX	1.6	R	60.1	34.8	18.5	12.4	0	526	11	63.8	48.3	72.4	56.1
CREDENZ	CZ 1660GTLL	LG27	1.6	MR	60.0	34.5	18.6	12.2	0	525	12	72.8	51.9	62.4	52.8
GENESIS	G1680GL	LG27	1.6	R	59.9	34.5	18.7	12.3	0	523	13	67.8	43.7	70.3	57.7
CREDENZ	CZ 1549GTLL	LG27	1.5	R	59.4	33.5	18.7	13.0	0	518	14	53.9	58.4	63.7	61.6
ANDERSON	179RXT	RRX	1.7	MR	59.0	35.3	18.4	11.7	0	516	15	64.1	52.9	63.3	55.7
HEFTY	H18X8	RRX	1.8	MR	58.9	35.1	18.1	11.8	0	515	16	56.2	55.9	67.0	56.4
TITAN PRO	18GL8	LG27	1.8	R	58.6	34.2	18.7	12.4	0	512	18	64.7	46.9	63.4	59.3
RENK	RS153NR2	RR2Y	1.5	R	58.6	34.4	18.8	12.1	0	512	19	56.6	52.1	70.1	55.4
ANDERSON	180RXT	RRX	1.8	MR	58.5	34.8	18.4	12.1	0	512	17	59.9	49.8	67.3	57.1
GOLDEN HARVEST	GH1538X §	RRX	1.5	R	58.4	35.3	18.0	12.0	0	511	20	61.9	50.9	67.7	53.3
STINE	17GA62 §	LG27	1.7	R	58.2	34.0	18.7	11.8	0	509	21	63.4	52.4	63.6	53.5
STINE	15GA20 §	LG27	1.5	R	57.5	34.0	18.3	12.0	0	503	22	57.6	48.4	68.0	56.1
LATHAM	L 1793 LLGT27	LG27	1.7	R	57.3	34.2	18.8	12.1	0	501	23	63.4	44.7	65.8	55.5
DYNA-GRO	S18XT38	RRX	1.8	MR	57.1	35.0	18.1	11.9	0	499	24	55.4	49.2	66.5	57.3
ANDERSON	159RXT	RRX	1.5	MR	57.1	34.7	17.4	11.6	0	499	25	62.7	44.5	64.5	56.5
CREDENZ	CZ 1859GTLL	LG27	1.8	R	57.0	34.1	18.7	11.8	0	499	26	61.6	51.3	59.5	55.5
CORNELIUS	CB18X80 GC	RRX	1.8	R	57.0	35.1	18.2	12.2	0	498	27	56.5	44.7	69.9	56.8
CREDENZ	CZ 1850GTLL	LG27	1.8	MR	56.9	34.2	18.3	12.7	0	496	28	51.0	55.5	64.9	56.2
FEDERAL	1909N LLGT+	LG27	1.8	R	56.5	33.9	18.8	11.9	0	494	29	61.5	50.4	61.0	53.0
ANDERSON	18LG20	LG27	1.8	MR	56.5	34.2	18.8	12.1	0	494	30	62.4	51.8	60.9	50.8
PIONEER	P15T46R2 §	RR2Y	1.5	R	56.0	34.4	18.1	11.9	0	490	31	60.1	46.3	64.0	53.7
ASGROW	AG17X8 CK	RRX	1.7	R	61.1	34.0	18.8	11.9	0	535	5	66.3	58.1	65.9	54.3

Averages =	58.3	34.5	18.3	12.2	0	510	59.9	50.9	66.1	56.3
LSD (0.10) =	4.1	0.4	0.3	0.5	ns		5.0	6.1	3.6	3.6
LSD (0.25) =	2.1	0.2	0.1	0.2	ns		2.6	3.2	1.9	1.9

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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

† 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. *There were 2 reps for the site.

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2019 Soybeans Top 30 Performance Summary for Minnesota South Central [MNSC]



Test by: Southern MN FIRST New Richland, MN

Full-Season Test

1.9 - 2.2 Day CRM

S2019MNSCb

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For Gross Income (Sorted by Yield), (8) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A	Protein (%)	Oil (%)	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Cannon Falls	Madison Lake	Nerstrand	Wabasso
ASGROW	AG20X9 §	RRX	2.0	R	66.9	33.6	18.1	12.1	1	585	1	66.3	58.8	71.0	71.7
GOLD COUNTRY	2249X	RRX	2.2	R	65.7	33.7	19.0	15.5	0	567	3	68.2	61.0	70.6	63.0
ASGROW	AG21X9 §	RRX	2.1	R	65.5	34.2	18.8	13.5	1	570	2	61.3	63.2	73.7	63.9
HEFTY	Z2000E	E3	2.0	R	63.9	35.1	17.9	12.9	1	557	4	62.1	61.1	74.5	58.0
NK BRAND	S21-W8X §	RRX	2.1	R	63.5	34.6	18.3	11.9	0	556	5	65.0	62.0	70.0	57.3
GOLDEN HARVEST	GH2230X §	RRX	2.2	R	63.3	34.2	18.7	12.3	0	554	6	63.3	59.1	72.4	58.6
PIONEER	P21A28X §	RRX	2.1	R	63.3	34.1	18.8	12.9	0	553	7	67.0	59.9	66.4	60.1
NK BRAND	S20-J5X §	RRX	2.0	R	63.0	34.9	18.1	12.3	0	550	8	66.4	62.1	62.3	61.3
DYNA-GRO	S21EN70	E3	2.1	R	62.6	34.6	18.5	13.4	0	546	10	62.5	61.0	70.3	56.8
RENK	RS207NX	RRX	2.0	R	62.6	35.0	18.2	11.9	0	547	9	62.4	61.7	69.0	57.4
GOLD COUNTRY	1939X	RRX	1.9	R	62.2	33.9	19.0	12.7	0	544	12	63.2	58.7	67.7	59.4
FEDERAL	2280N R2X	RRX	2.2	R	62.2	33.9	19.1	12.5	1	544	13	62.3	60.4	70.1	56.0
GOLD COUNTRY	2038X	RRX	2.0	R	62.2	34.9	18.1	12.2	0	544	11	62.2	60.2	67.2	59.2
LATHAM	L 2193 E3	E3	2.1	R	62.1	34.6	17.6	14.0	1	539	18	53.6	62.1	71.3	61.4
GOLDEN HARVEST	GH2041X §	RRX	2.0	R	62.0	34.8	18.1	12.1	0	543	14	63.5	60.0	64.8	59.8
LATHAM	L 1983 LLGT27	LG27	1.9	R	61.9	34.0	18.8	11.9	0	542	15	65.9	51.3	70.9	59.6
FEDERAL	2190N R2X	RRX	2.1	R	61.9	34.7	18.4	12.2	0	541	16	59.8	59.2	68.2	60.4
TITAN PRO	TP-20X98	RRX	2.0	R	61.7	34.1	18.5	12.1	0	539	17	62.0	58.4	66.7	59.8
HEFTY	H20X0	RRX	2.0	R	61.7	34.1	17.8	13.2	0	537	19	58.6	59.9	65.9	62.4
TITAN PRO	20E9	E3	2.0	R	61.5	35.1	18.2	13.6	1	535	20	61.8	57.3	71.4	55.6
FEDERAL	2109N LLGT+	LG27	2.1	R	60.9	33.9	18.8	12.2	0	533	21	61.1	56.5	66.6	59.5
LATHAM	L 2228R2	RR2Y	2.2	R	60.9	34.1	18.7	12.0	0	533	22	57.4	62.8	65.4	58.2
GOLD COUNTRY	2138X	RRX	2.1	R	60.8	34.4	18.9	11.9	0	532	23	63.2	55.0	66.3	58.9
ASGROW	AG19X0 §	RRX	1.9	R	60.7	35.0	18.2	12.7	0	530	24	52.2	59.4	72.7	58.7
DYNA-GRO	S21XT49	RRX	2.1	R	60.6	34.8	18.3	11.9	0	530	25	64.3	55.9	63.6	58.8
GENESIS	G2140E	E3	2.1	R	60.6	35.2	18.3	13.4	0	528	26	56.1	57.2	69.7	59.4
TITAN PRO	22E8	E3	2.2	R	60.1	33.6	19.1	13.6	0	523	29	57.7	58.8	67.5	56.6
HEFTY	H21X9	RRX	2.1	MR	60.0	34.4	17.9	12.9	0	525	28	53.3	59.7	67.5	59.8
GENESIS	G2181GL	LG27	2.2	R	59.8	34.3	18.5	12.9	0	522	31	62.9	54.8	67.7	54.0
CREDENZ	CZ 2230GTLL	LG27	2.2	MR	59.8	35.5	17.8	12.9	1	522	30	60.0	51.2	68.2	59.9
ASGROW	AG17X8 CK	RRX	1.7	R	60.3	34.1	19.1	11.8	0	527	27	64.9	55.4	67.0	53.8

Averages =	60.9	34.4	18.5	12.7	0	532	60.4	57.4	67.4	58.1
LSD (0.10) =	3.2	0.4	0.3	0.6	ns		5.9	5.0	4.0	3.0
LSD (0.25) =	1.7	0.2	0.2	0.3	ns		3.1	2.6	2.1	1.6

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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

† 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. 2 replicates in each test.

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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

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

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

Soybeans Technologies*

E3	Enlist E3™
LG27 or G27	LibertyLink® 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