

2019 Soybeans Top 30 Performance Summary for Minnesota South [MNSO]

Early-Season Test

1.6 - 1.9 Day CRM

S2019MNSOa

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For Gross Income (Sorted by Yield), (10) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Easton	Jeffers	Kasson	New Richland
LATHAM	L 1858R2	RR2Y	1.8	R	65.1	11.8	0	569	1	65.7	59.9	66.8	67.9
GOLDEN HARVEST	GH1915X §	RRX	1.9	R	64.6	11.2	0	566	2	73.4	56.0	61.1	68.0
ASGROW	AG19X0 §	RRX	1.9	R	64.3	12.1	0	562	3	68.2	57.7	66.9	64.3
NK BRAND	S18-G4X §	RRX	1.8	R	64.2	12.2	0	562	4	65.0	59.3	66.0	66.5
FEDERAL	2090N R2X	RRX	1.9	R	63.9	11.9	0	559	6	65.2	60.0	70.1	60.5
ENESTVEDT	E1418RR2 GC	RR2Y	1.4	R	63.9	11.8	0	559	5	64.1	55.8	70.5	65.3
DAHLMAN	1014E3N GC	E3	1.4	R	63.8	11.9	0	559	7	62.8	58.7	67.6	66.2
RENK	RS170NX	RRX	1.6	R	63.1	11.7	0	553	8	63.3	56.4	66.8	66.0
CORNELIUS	CB18X80	RRX	1.8	R	62.6	11.8	0	547	9	65.2	52.9	68.5	63.7
HEFTY	Z1800E	E3	1.8	R	62.4	12.9	0	545	11	59.6	60.3	68.6	61.3
NK BRAND	S18-H3X §	RRX	1.8	R	62.4	11.6	0	546	10	68.3	58.0	62.9	60.3
STINE	19GA02 §	LG27	1.9	R	62.2	11.6	0	544	12	64.8	56.8	65.3	61.9
DYNA-GRO	S18XT38	RRX	1.8	MR	62.0	11.7	0	543	13	63.5	57.0	67.5	60.2
TITAN PRO	18E9	E3	1.8	R	61.7	12.8	0	540	14	61.9	58.4	65.9	60.8
LATHAM	L 1983 LLGT27	LG27	1.9	R	61.5	11.3	0	539	15	62.5	56.9	62.3	64.4
FEDERAL	1909N LLGT+	LG27	1.8	R	61.4	11.9	0	537	16	63.2	57.8	58.4	66.2
CORNELIUS	P3 2018E	E3	1.8	R	61.3	12.8	0	536	18	60.0	56.3	68.5	60.4
GOLDEN HARVEST	GH1619X §	RRX	1.6	R	61.3	12.0	0	536	17	66.4	59.4	56.8	62.6
DYNA-GRO	S19XT30	RRX	1.9	R	61.2	12.0	0	535	19	62.1	57.2	67.2	58.3
PIONEER	P18A98X §	RRX	1.8	R	61.1	11.9	0	535	20	59.3	56.9	64.9	63.4
LATHAM	L 1829 E3	E3	1.8	R	61.0	12.7	0	533	21	59.7	53.5	69.7	61.3
TITAN PRO	19E8	E3	1.9	R	60.9	12.1	0	533	22	62.4	54.1	69.2	57.9
GENESIS	G1840E	E3	1.8	R	60.6	12.8	0	530	26	59.1	55.3	68.0	60.2
NORTHSTAR	NS 61775NXXR2	RRX	1.7	R	60.6	11.7	0	531	23	63.0	56.4	58.7	64.3
HEFTY	H17X0	RRX	1.7	R	60.6	11.7	0	530	25	62.9	57.9	56.4	65.2
CREDENZ	CZ 1660GTLL	LG27	1.6	MR	60.5	11.9	0	530	27	63.2	54.1	60.5	64.4
ANDERSON	180RXT	RRX	1.8	MR	60.3	11.8	0	527	28	62.4	56.5	57.1	65.1
CREDENZ	CZ 1859GTLL	LG27	1.8	R	60.2	11.9	0	527	29	62.6	60.9	55.6	61.7
TITAN PRO	18GL8	LG27	1.8	R	60.1	11.9	0	526	30	63.0	58.7	57.7	60.9
NORTHSTAR	NS 81764NLG+	LG27	1.7	R	60.1	11.8	0	525	31	62.0	57.3	59.6	61.4
GOLD COUNTRY	1939X CK	RRX	1.9	R	60.7	12.1	0	531	1	58.1	56.2	65.3	63.1



Averages =	61.1	11.9	0	534	62.4	56.3	63.2	62.4
LSD (0.10) =	3.0	0.3	ns		2.9	3.4	4.3	3.2
LSD (0.25) =	1.6	0.1	ns		1.5	1.8	2.3	1.7

Mark Querna

mark.querna@firstseedtests.com, (507) 380-9920

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

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2019 Soybeans Top 30 Performance Summary for Minnesota South [MNSO]

Full-Season Test

2.0 - 2.3 Day CRM

S2019MNSOb

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For Gross Income (Sorted by Yield), (12) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Easton	Jeffers	Kasson	New Richland
ANDERSON	217RXT	RRX	2.0	MR	65.5	11.6	0	573	1	69.1	58.2	63.8	71.0
PIONEER	P21A28X §	RRX	2.1	R	64.5	11.8	0	564	2	64.5	53.9	71.6	67.8
GOLD COUNTRY	2138X	RRX	2.1	R	64.1	11.6	0	561	3	71.5	54.6	64.5	65.9
NK BRAND	S21-W8X §	RRX	2.1	R	64.1	11.6	0	560	4	68.8	59.2	65.3	62.9
CORNELIUS	CB20X22	RRX	2.0	R	63.2	12.0	0	553	5	68.4	54.6	62.7	67.2
NK BRAND	S20-J5X §	RRX	2.0	R	63.2	11.4	0	553	6	68.6	55.2	63.9	65.1
GOLDEN HARVEST	GH2041X §	RRX	2.0	R	63.0	11.5	0	552	7	68.5	53.2	63.7	66.7
FEDERAL	2280N R2X	RRX	2.2	R	62.9	12.1	0	550	8	68.4	54.3	66.3	62.6
FEDERAL	2190N R2X	RRX	2.1	R	62.8	11.9	0	549	9	67.4	54.3	65.5	63.9
PIONEER	P23A32X §	RRX	2.3	R	62.7	12.2	0	549	10	65.6	52.2	64.8	68.3
ASGROW	AG20X9 §	RRX	2.0	R	62.6	11.8	0	547	11	66.8	61.0	61.7	60.7
CREDENZ	CZ 2230GTLL	LG27	2.2	MR	62.5	11.9	0	547	12	63.1	55.9	62.4	68.5
ASGROW	AG21X9 GC	RRX	2.1	R	62.5	11.9	0	547	13	70.3	55.6	56.3	67.7
CREDENZ	CZ 2040GTLL	LG27	2.0	R	62.5	11.5	0	547	14	65.7	54.8	67.0	62.3
GOLDEN HARVEST	GH2230X §	RRX	2.2	R	62.2	11.3	0	544	15	69.0	49.6	64.3	65.8
GOLD COUNTRY	2038X	RRX	2.0	R	62.1	11.7	0	544	16	67.8	54.6	63.9	62.3
PIONEER	P22T73R GC	RR	2.2	R	62.0	12.3	0	542	17	65.6	54.4	61.8	66.2
LATHAM	L 2159 R2X	RRX	2.1	R	62.0	11.9	0	542	18	65.0	59.2	59.0	64.7
GOLD COUNTRY	2249X	RRX	2.2	R	61.8	13.2	0	539	19	62.6	54.0	64.2	66.3
TITAN PRO	20GL8	LG27	2.0	R	60.9	11.5	0	533	20	62.9	53.0	64.7	63.0
HEFTY	Z2000E	E3	2.0	R	60.6	12.2	0	530	21	64.3	55.2	60.8	62.0
RENK	RS200NX	RRX	2.1	R	60.5	11.9	0	529	23	65.2	52.4	59.3	64.9
LATHAM	L 2228R2	RR2Y	2.2	R	60.4	11.6	0	529	22	63.1	53.4	60.8	64.5
HEFTY	H20X0	RRX	2.0	R	60.4	11.9	0	528	24	66.2	52.3	58.2	64.7
ANDERSON	20LG20	LG27	2.0	MR	60.3	11.2	0	528	25	62.7	50.3	61.9	66.2
THUNDER	SB8021N GC	RRX	2.1	R	60.2	11.8	0	527	26	64.1	49.5	63.4	63.7
CREDENZ	CZ 2360GTLL	LG27	2.3	MR	60.1	12.3	0	525	27	61.1	53.6	61.3	64.3
LATHAM	L 2193 E3	E3	2.1	R	59.9	12.1	0	525	28	63.0	52.4	61.1	63.3
TITAN PRO	23E9	E3	2.3	R	59.8	13.1	0	523	29	60.1	51.9	65.8	61.5
CORNELIUS	P3 2021E	E3	2.1	R	59.5	12.2	0	521	30	63.7	51.3	60.0	63.1
GOLD COUNTRY	1939X CK	RRX	1.9	R	59.0	11.7	0	516	1	63.2	53.2	58.0	61.5



Averages =	60.6	12.0	0	530	63.9	52.4	62.4	63.7
LSD (0.10) =	2.5	0.3	ns		3.5	4.8	3.6	2.5
LSD (0.25) =	1.3	0.2	ns		1.8	2.5	1.9	1.3

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2019 Soybeans - Minnesota South [MNSO]

Early-Season Test Products (42 Total)

Company/Brand	Product/Brand	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

2019 Soybeans - Minnesota South [MNSO]

Full-Season Test Products (48 Total)

Company/Brand	Product/Brand	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

Soybean Cyst Nematode (SCN) Resistance Rating

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

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