

2018 Soybean Top 30 Performance Summary for Minnesota South Central [MNSC]



Early-Season Test

Maturity Group 1.5 - 1.8

Top 30 of 42

S2018MNSCa

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

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Yield Bu/A	Protein %	Oil %	Moisture %	Lodging %	Gross Income		Cannon Falls		Nerstrand	
										\$/Acre	Rank	Madison Lake	Wabasso‡		
Latham	L1858R2	RR2Y	1.8	R	67.9	34.7	18.4	9.1	0	\$560	1	43.7	62.5	79.7	61.5
LG Seeds	C1838RX	RRX	1.8	R	67.1	35.4	18.4	8.8	1	\$554	2	54.3	68.8	75.8	56.8
Dyna-Gro	S18XT38	RRX	1.8	MR	66.3	35.2	18.6	8.8	0	\$547	3	52.6	60.8	76.4	61.8
Titan Pro	TP 18X97	RRX	1.8	MR	65.5	35.5	18.4	8.9	0	\$540	4	54.2	64.2	77.1	55.1
NK Brand	S18-G4X §	RRX	1.8	R	65.2	34.7	18.4	9.0	1	\$538	5	41.7	64.8	73.7	57.1
Asgrow	AG17X8 GC	RRX	1.7	R	65.2	34.8	19.2	9.1	1	\$538	6	39.8	65.8	73.5	56.2
Prairie Brand	PB-1566R2	RR2Y	1.6	R	65.1	34.6	19.1	9.0	1	\$537	7	40.9	65.6	72.7	56.9
Golden Harvest	GH1852X	RRX	1.8	R	64.9	35.1	18.2	9.1	0	\$535	8	40.9	65.4	71.3	58.0
Dairyland	DSR-1721/R2Y	RR2Y	1.7	R	64.9	34.4	19.0	9.3	0	\$535	9	40.9	59.6	78.8	56.3
Latham	L1845R2X	RRX	1.8	MR	64.8	35.0	18.6	8.8	0	\$535	10	50.9	56.4	83.2	54.9
Hefty	H18X8	RRX	1.8	MR	64.2	35.3	18.6	8.8	0	\$530	11	40.9	52.9	80.0	59.6
Proseed	XT71-40	RRX	1.4	R	64.1	34.3	19.0	9.2	1	\$529	12	40.9	67.0	71.6	53.6
Latham	L1748R2	RR2Y	1.7	R	63.9	34.0	19.3	8.8	0	\$527	13	40.9	61.8	69.9	60.0
Anderson	188RXT	RRX	1.8	MR	63.9	35.5	18.5	8.8	0	\$527	14	40.9	58.2	77.6	55.8
Thunder	3914R2YN GC	RR2Y	1.4	R	63.6	34.7	18.2	9.0	1	\$525	15	40.9	60.8	74.9	55.2
Pioneer	P16A35X §	RRX	1.6	R	63.3	34.4	18.7	8.8	1	\$522	16	39.7	60.9	72.0	57.1
Federal	F1880NR2X	RRX	1.8	R	63.2	35.3	18.6	8.8	0	\$521	17	40.9	55.3	75.8	58.4
Thunder	SB8818N GC	RRX	1.8	R	63.1	35.3	18.5	8.9	0	\$521	18	40.9	53.2	77.0	59.1
Federal	F195NRR2Y	RR2Y	1.9	R	63.1	34.7	18.4	9.2	0	\$521	19	40.9	52.0	78.3	58.9
Renk	RS188NX	RRX	1.8	R	62.7	35.5	18.5	8.7	1	\$517	20	40.9	56.1	72.8	59.3
Federal	F1690NR2X	RRX	1.6	R	62.5	36.0	18.2	9.1	0	\$516	21	40.9	55.7	76.8	55.0
Dyna-Gro	S16XT58	RRX	1.6	R	62.2	34.3	19.0	9.1	1	\$513	22	40.9	60.6	69.7	56.3
Dairyland	DSR-1526/R2Y	RR2Y	1.5	R	62.1	34.5	19.1	9.0	0	\$512	23	39.7	55.8	73.1	57.4
Titan Pro	TP 16X77	RRX	1.6	MR	62.1	34.7	18.6	9.0	1	\$512	24	40.9	57.3	74.8	54.1
Renk	RS149NX	RRX	1.4	R	62.1	34.7	18.1	9.1	1	\$512	25	40.9	53.8	75.9	56.6
NK Brand	S18-H3X	RRX	1.8	R	61.8	35.7	18.1	8.9	1	\$510	27	49.6	55.7	70.0	59.7
Hefty	H17X9	RRX	1.7	MR	61.4	35.7	18.2	9.8	1	\$507	28	40.9	62.6	68.4	53.1
Anderson	168RXT	RRX	1.6	MR	61.3	34.3	18.8	9.1	1	\$506	29	34.7	57.4	72.1	54.3
Anderson	159RXT	RRX	1.5	MR	61.2	34.9	17.9	8.5	0	\$505	30	43.6	54.2	73.8	55.7
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	60.6	34.5	18.7	9.0	0	\$500	31	43.0	54.7	72.0	55.2
NuTech	7198 CK	RR	1.9	R	61.8	34.0	18.7	9.1	0	\$510	26	35.2	57.3	70.6	57.4

Data Rejected - Not in Summary

Mark Querna
Mark Querna

Averages =	62.1	34.9	18.5	9.0	0	\$513	42.3	57.5	73.4	55.5
LSD (0.10) =	4.0	0.5	0.3	0.3	ns		7.3	5.8	4.7	4.9
LSD (0.25) =	2.1	0.2	0.2	0.2	ns		3.8	3.1	2.4	2.6

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Previous years average yield for region, 54.3 bu/a, 16 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.25 GMO; \$8.25 non-GMO

† See last page for additional information. Dark shaded row identifies the check product found in early- and full-season tests. **Bold** results are significantly above test average by LSD (0.10). **ns** = not significantly different; ‡ = 2 reps.

Additional reports available at www.firstseedtests.com.

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Report Date: 10/28/2018 Revised: 11/20/2018 Protein and oil results added

2018 Soybean Top 30 Performance Summary for Minnesota South Central [MNSC]



Full-Season Test

Maturity Group 1.9 - 2.2

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S2018MNSCb

For Gross Income (Sorted by Yield), (9) Replication Average

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Yield Bu/A	Protein %	Oil %	Moisture %	Lodging %	Gross Income		Cannon Falls		Nerstrand	
										\$/Acre	Rank	Madison Lake	Wabasso		
NorthStar	NS 1911NR2	RR2Y	1.9	MR	72.2	34.3	18.4	8.9	1	\$596	1	54.2	68.9	79.9	67.9
Renk	RS207NX	RRX	2.0	R	70.4	35.4	18.4	8.9	1	\$581	2	53.0	66.9	74.1	70.1
Renk	RS219NX	RRX	2.1	R	69.9	35.7	18.1	8.7	0	\$577	3	46.6	65.5	79.3	65.0
Federal	F2190NR2X	RRX	2.1	R	69.0	35.6	18.3	8.8	0	\$569	4	49.2	65.9	76.8	64.4
Stine	20RD20 §	RR2Y	2.0	R	68.8	35.1	18.8	8.9	0	\$568	5	49.0	65.1	75.8	65.5
AgriGold	G2250RX GC	RRX	2.2	R	68.3	34.6	19.1	8.8	0	\$563	6	50.0	67.0	72.8	65.0
Hefty	H21X9	RRX	2.1	MR	68.2	35.7	18.1	8.7	0	\$563	7	50.0	66.3	74.1	64.2
Pfister	20R23	RR2Y	2.0	R	68.0	35.3	18.8	8.9	1	\$561	8	49.0	63.8	77.2	62.9
Dairyland	DSR-2197/R2Y	RR2Y	2.1	R	67.6	34.6	18.7	8.7	0	\$558	9	49.0	62.3	75.7	64.7
Asgrow	AG20X7 §	RRX	2.0	R	67.5	35.2	18.6	8.7	2	\$557	10	49.0	61.9	73.7	67.0
Titan Pro	TP 20X98	RRX	2.0	MR	67.4	35.8	18.5	8.7	1	\$556	11	49.0	65.7	73.8	62.7
Hefty	H22X8	RRX	2.2	MR	67.1	34.5	19.2	8.9	0	\$554	12	50.0	69.7	69.5	62.1
LG Seeds	LGS2007RX	RRX	2.0	R	66.9	36.0	18.1	8.7	0	\$552	13	49.0	68.3	74.5	57.8
Latham	L2228R2	RR2Y	2.2	R	66.8	34.2	18.5	8.8	0	\$551	14	49.0	61.0	74.7	64.7
Hefty	H20X7	RRX	2.0	MR	66.8	35.6	18.2	8.8	1	\$551	15	49.0	63.5	71.5	65.3
Golden Harvest	GH2230X	RRX	2.2	R	66.1	35.5	18.3	8.7	1	\$545	16	49.0	60.4	74.1	63.8
AgriGold	G2105RX GC	RRX	2.1	R	66.0	35.7	18.2	8.8	1	\$545	17	49.0	62.5	69.8	65.6
Dyna-Gro	S21XT49	RRX	2.1	R	65.8	35.8	18.2	8.6	0	\$543	18	49.0	58.7	76.6	62.2
Stine	19RF32 §	RR2Y	1.9	R	65.8	35.0	18.4	8.9	0	\$543	19	49.0	54.6	78.3	64.4
Anderson	217RXT	RRX	2.0	MR	65.8	35.7	18.1	8.8	2	\$543	20	49.0	59.4	72.3	65.6
Pioneer	P22T73R §	RR	2.2	R	65.7	34.4	19.0	8.8	0	\$542	21	49.0	63.0	76.4	57.8
Latham	L2295R2X	RRX	2.2	R	65.5	35.6	18.1	8.9	1	\$540	22	49.0	65.1	72.0	59.4
Renk	RS213NR2	RR2Y	2.1	R	65.2	35.1	18.6	9.0	1	\$538	23	49.0	63.3	70.1	62.1
Dairyland	DSR-1950/R2Y	RR2Y	1.9	R	64.9	35.0	18.1	8.8	1	\$535	24	49.0	55.8	75.4	63.4
Federal	F2280NR2X	RRX	2.2	R	64.8	34.4	19.1	8.7	0	\$535	25	49.0	60.5	73.3	60.7
Stine	21RI32 §	RR2Y	2.1	R	64.7	34.6	18.6	8.6	0	\$534	26	42.8	62.1	72.3	59.8
AgriGold	G1990RX GC	RRX	1.9	R	64.7	35.7	18.3	8.6	0	\$534	27	49.5	60.8	71.9	61.4
NK Brand	S20-J5X §	RRX	2.0	R	64.3	35.8	18.0	8.7	1	\$530	28	45.9	63.4	72.3	57.1
NK Brand	S21-W8X §	RRX	2.1	R	64.0	35.9	17.8	8.8	1	\$528	29	45.4	55.5	75.2	61.2
Asgrow	AG21X7 §	RRX	2.1	R	63.5	34.4	18.1	8.8	0	\$524	30	46.1	60.6	70.2	59.7
NuTech	7198 CK	RR	1.9	R	62.3	34.4	18.6	8.7	1	\$514	33	43.7	52.5	73.6	60.8

Data Rejected - Not in Summary

Mark Querna

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Averages =	65.2	34.9	18.5	8.8	1	\$538							48.0	60.4	72.9	62.2
LSD (0.10) =	4.0	0.4	0.3	0.2	ns								5.7	5.7	3.4	3.5
LSD (0.25) =	2.1	0.2	0.2	0.1	ns								3.0	3.0	1.8	1.8

Previous years average yield for region, 54.3 bu/a, 16 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.25 GMO; \$8.25 non-GMO

† See last page for additional information. Dark shaded row identifies the check product found in early- and full-season tests. **Bold** results are significantly above test average by LSD (0.10). **ns** = not significantly different; ‡ = 2 reps.

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Report Date: 10/28/2018 Revised: 11/20/2018 Protein and oil results added

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Innotech™ is a trademark of Syngenta.
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 Technologies

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

Soybean Seed Treatments*

?	Information not provided	EE	Evergol™ Energy	PG+	Profit Guard +™
A2020	Alert 2020™	EL	Elevate™ F+I	PS	MAS Pro-Shield
AC	Acceleron® fungicide products	EL+	Elevate™ Plus	PV	Poncho®/Votivo®
ACi	Acceleron® fungicide and insecticide products	En	Encase®	R	Redigo™
AM	ApronMaxx®	EQV	Equity® VIP	Ret	Revize® SB+T
ASfi	AgriShield® F+I	Es	Escalate™	Ri	Rizolex™
AVB	Avicta® Complete Beans	F	fungicide	SF	Stine XP F
AVBV	Avicta® Complete Beans with Vibrance	G	Gaucho®	SFI	Stine XP fungicide & insecticide
BB	Buckeye Boost ST	Gr+	Great Start™ Max Plus	SS	Soyshield™
CCB	Clariva™ Complete Beans	I	insecticide	SS+	Soyshield Plus™
Cl	Clariva™ pn	IL	ILeVO®	TE	Trius Elite™
CMB	CruiserMaxx® Beans	In	Intego™ Solo	TT	Turbo Treat™
CMBV	CruiserMaxx® Beans with Vibrance	IS	Intego™ Suite	W	Warden® CX
DPHB	DPH Boost®	Lu	Lumisena™	Wr	Warden® RTA
DST	Dominance™ ST	Me	Mertect®	YPP	YP Pro™
DX	Defend™ Extra	None	untreated		
EcTC	Eclipse™ US Total coverage	Pd	proTect D™		

* Seed treatments may include unspecified plant health promoting components.