

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			9.1	0	\$560	1	43.7	62.5	79.7	61.5
LG Seeds	C1838RX	RRX	1.8	R	67.1			8.8	1	\$554	2	54.3	68.8	75.8	56.8
Dyna-Gro	S18XT38	RRX	1.8	MR	66.3			8.8	0	\$547	3	52.6	60.8	76.4	61.8
Titan Pro	TP 18X97	RRX	1.8	MR	65.5			8.9	0	\$540	4	54.2	64.2	77.1	55.1
NK Brand	S18-G4X §	RRX	1.8	R	65.2			9.0	1	\$538	5	41.7	64.8	73.7	57.1
Asgrow	AG17X8 GC	RRX	1.7	R	65.2			9.1	1	\$538	6	39.7	65.8	73.5	56.2
Prairie Brand	PB-1566R2	RR2Y	1.6	R	65.1			9.0	1	\$537	7	40.9	65.6	72.7	56.9
Golden Harvest	GH1852X	RRX	1.8	R	64.9			9.1	0	\$535	8	40.9	65.4	71.3	58.0
Dairyland	DSR-1721/R2Y	RR2Y	1.7	R	64.9			9.3	0	\$535	9	40.9	59.6	78.8	56.3
Latham	L1845R2X	RRX	1.8	MR	64.8			8.8	0	\$535	10	50.9	56.4	83.2	54.9
Hefty	H18X8	RRX	1.8	MR	64.2			8.8	0	\$530	11	40.9	52.9	80.0	59.6
Proseed	XT71-40	RRX	1.4	R	64.1			9.2	1	\$529	12	40.9	67.0	71.6	53.6
Latham	L1748R2	RR2Y	1.7	R	63.9			8.8	0	\$527	13	40.9	61.8	69.9	60.0
Anderson	188RXT	RRX	1.8	MR	63.9			8.8	0	\$527	14	40.9	58.2	77.6	55.8
Thunder	3914R2YN GC	RR2Y	1.4	R	63.6			9.0	1	\$525	15	40.9	60.8	74.9	55.2
Pioneer	P16A35X §	RRX	1.6	R	63.3			8.8	1	\$522	16	39.7	60.9	72.0	57.1
Federal	F1880NR2X	RRX	1.8	R	63.2			8.8	0	\$521	17	40.9	55.3	75.8	58.4
Thunder	SB8818N GC	RRX	1.8	R	63.1			8.9	0	\$521	18	40.9	53.2	77.0	59.1
Federal	F195NRR2Y	RR2Y	1.9	R	63.1			9.2	0	\$521	19	40.9	52.0	78.3	58.9
Renk	RS188NX	RRX	1.8	R	62.7			8.7	1	\$517	20	40.9	56.1	72.8	59.3
Federal	F1690NR2X	RRX	1.6	R	62.5			9.1	0	\$516	21	40.9	55.7	76.8	55.0
Dyna-Gro	S16XT58	RRX	1.6	R	62.2			9.1	1	\$513	22	40.9	60.6	69.7	56.3
Dairyland	DSR-1526/R2Y	RR2Y	1.5	R	62.1			9.0	0	\$512	23	39.7	55.8	73.1	57.4
Titan Pro	TP 16X77	RRX	1.6	MR	62.1			9.0	1	\$512	24	40.9	57.3	74.8	54.1
Renk	RS149NX	RRX	1.4	R	62.1			9.1	1	\$512	25	40.9	53.8	75.9	56.6
NK Brand	S18-H3X	RRX	1.8	R	61.8			8.9	1	\$510	27	49.8	55.7	70.0	59.7
Hefty	H17X9	RRX	1.7	MR	61.4			9.8	1	\$507	28	40.9	62.6	68.4	53.1
Anderson	168RXT	RRX	1.6	MR	61.3			9.1	1	\$506	29	34.7	57.4	72.1	54.3
Anderson	159RXT	RRX	1.5	MR	61.2			8.5	0	\$505	30	43.6	54.2	73.8	55.7
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	60.6			9.0	0	\$500	31	43.0	54.7	72.0	55.2
NuTech	7198 CK	RR	1.9	R	61.8			9.1	0	\$510	26	35.2	57.3	70.6	57.4

Results available by early-December
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Data Rejected - Not in Summary

					Averages =	62.1		9.0	0	\$513		42.3	57.5	73.4	55.5
					LSD (0.10) =	4.0		0.3	ns			7.3	5.8	4.7	4.9
					LSD (0.25) =	2.1		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.

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Report Date: 10/28/2018 Revised:

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



Full-Season Test

Maturity Group 1.9 - 2.2

S2018MNSCb

Top 30 of 42

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			8.9	1	\$596	1	\$4.2	68.9	79.9	67.9
Renk	RS207NX	RRX	2.0	R	70.4			8.9	1	\$581	2	53.0	66.9	74.1	70.1
Renk	RS219NX	RRX	2.1	R	69.9			8.7	0	\$577	3	46.6	65.5	79.3	65.0
Federal	F2190NR2X	RRX	2.1	R	69.0			8.8	0	\$569	4	49.2	65.9	76.8	64.4
Stine	20RD20 §	RR2Y	2.0	R	68.8			8.9	0	\$568	5	49.0	65.1	75.8	65.5
AgriGold	G2250RX GC	RRX	2.2	R	68.3			8.8	0	\$563	6	50.0	67.0	72.8	65.0
Hefty	H21X9	RRX	2.1	MR	68.2			8.7	0	\$563	7	50.0	66.3	74.1	64.2
Pfister	20R23	RR2Y	2.0	R	68.0			8.9	1	\$561	8	49.0	63.8	77.2	62.9
Dairyland	DSR-2197/R2Y	RR2Y	2.1	R	67.6			8.7	0	\$558	9	49.0	62.3	75.7	64.7
Asgrow	AG20X7 §	RRX	2.0	R	67.5			8.7	2	\$557	10	49.0	61.9	73.7	67.0
Titan Pro	TP 20X98	RRX	2.0	MR	67.4			8.7	1	\$556	11	49.0	65.7	73.8	62.7
Hefty	H22X8	RRX	2.2	MR	67.1			8.9	0	\$554	12	50.0	69.7	69.5	62.1
LG Seeds	LGS2007RX	RRX	2.0	R	66.9			8.7	0	\$552	13	49.0	68.3	74.5	57.8
Latham	L2228R2	RR2Y	2.2	R	66.8			8.8	0	\$551	14	49.0	61.0	74.7	64.7
Hefty	H20X7	RRX	2.0	MR	66.8			8.8	1	\$551	15	49.0	63.5	71.5	65.3
Golden Harvest	GH2230X	RRX	2.2	R	66.1			8.7	1	\$545	16	49.0	60.4	74.1	63.8
AgriGold	G2105RX GC	RRX	2.1	R	66.0			8.8	1	\$545	17	49.0	62.5	69.8	65.6
Dyna-Gro	S21XT49	RRX	2.1	R	65.8			8.6	0	\$543	18	49.0	58.7	76.6	62.2
Stine	19RF32 §	RR2Y	1.9	R	65.8			8.9	0	\$543	19	49.0	54.6	78.3	64.4
Anderson	217RXT	RRX	2.0	MR	65.8			8.8	2	\$543	20	49.0	59.4	72.3	65.6
Pioneer	P22T73R §	RR	2.2	R	65.7			8.8	0	\$542	21	49.0	63.0	76.4	57.8
Latham	L2295R2X	RRX	2.2	R	65.5			8.9	1	\$540	22	49.0	65.1	72.0	59.4
Renk	RS213NR2	RR2Y	2.1	R	65.2			9.0	1	\$538	23	50.0	63.3	70.1	62.1
Dairyland	DSR-1950/R2Y	RR2Y	1.9	R	64.9			8.8	1	\$535	24	50.0	55.8	75.4	63.4
Federal	F2280NR2X	RRX	2.2	R	64.8			8.7	0	\$535	25	49.0	60.5	73.3	60.7
Stine	21RI32 §	RR2Y	2.1	R	64.7			8.6	0	\$534	26	42.8	62.1	72.3	59.8
AgriGold	G1990RX GC	RRX	1.9	R	64.7			8.6	0	\$534	27	49.5	60.8	71.9	61.4
NK Brand	S20-J5X §	RRX	2.0	R	64.3			8.7	1	\$530	28	45.9	63.4	72.3	57.1
NK Brand	S21-W8X §	RRX	2.1	R	64.0			8.8	1	\$528	29	45.4	55.5	75.2	61.2
Asgrow	AG21X7 §	RRX	2.1	R	63.5			8.8	0	\$524	30	48.1	60.6	70.2	59.7
NuTech	7198 CK	RR	1.9	R	62.3			8.7	1	\$514	33	43.7	52.5	73.6	60.8

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Data Rejected - Not in Summary

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Averages = **65.2**
LSD (0.10) = 4.0
LSD (0.25) = 2.1

8.8 **1** **\$538** **48.0** **60.4** **72.9** **62.2**
0.2 ns 5.7 5.7 3.4 3.5
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:

2018 Soybean - Minnesota South Central [MNSC]



Early-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt.
AgriGold	G1502RX GC	RRX	1.5	R	ASfi,IL
AgriGold	G1710RX GC	RRX	1.7	R	ASfi,IL
Anderson	159RXT	RRX	1.5	MR	None
Anderson	168RXT	RRX	1.6	MR	None
Anderson	188RXT	RRX	1.8	MR	None
Asgrow	AG17X8 GC	RRX	1.7	R	AC,PV
Dairyland	DSR-1526/R2Y	RR2Y	1.5	R	CMB
Dairyland	DSR-1721/R2Y	RR2Y	1.7	R	CMB
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	CMB
Dyna-Gro	S16XT58	RRX	1.6	R	EQV,Ci
Dyna-Gro	S18XT38	RRX	1.8	MR	EQV,Ci
Dyna-Gro	SX18716XT	RRX	1.6	R	EQV,Ci
Federal	F1690NR2X	RRX	1.6	R	None
Federal	F1880NR2X	RRX	1.8	R	None
Federal	F195NRR2Y	RR2Y	1.9	R	None
Golden Harvest	GH1852X	RRX	1.8	R	CCB,Me
Hefty	H16X8	RRX	1.6	MR	DST
Hefty	H17X9	RRX	1.7	MR	DST
Hefty	H18X8	RRX	1.8	MR	DST
Latham	L1748R2	RR2Y	1.7	R	SS,IL
Latham	L1769R2X	RRX	1.7	R	SS+
Latham	L1845R2X	RRX	1.8	MR	SS
Latham	L1858R2	RR2Y	1.8	R	SS+
LG Seeds	C1838RX	RRX	1.8	R	ASfi,IL
LG Seeds	LGS1575RX	RRX	1.5	R	ASfi,IL
NK Brand	S18-G4X §	RRX	1.8	R	None
NK Brand	S18-H3X	RRX	1.8	R	CCB,Me
NorthStar	NS 61624NXR2	RRX	1.6	MR	CCB
NuTech	7198 CK	RR	1.9	R	None
Pioneer	P15T46R2 §	RR2Y	1.5	R	None
Pioneer	P16A35X §	RRX	1.6	R	None
Prairie Brand	PB-1566R2	RR2Y	1.6	R	CMB
Proseed	XT71-40	RRX	1.4	R	CMB
Renk	RS149NX	RRX	1.4	R	EcTC
Renk	RS169NX	RRX	1.6	R	EcTC
Renk	RS188NX	RRX	1.8	R	EcTC
Thunder	3914R2YN GC	RR2Y	1.4	R	Ret
Thunder	SB8814N GC	RRX	1.4	R	Ret
Thunder	SB8818N GC	RRX	1.8	R	Ret
Thunder	SB8916N GC	RRX	1.6	R	Ret
Titan Pro	TP 16X77	RRX	1.6	MR	None
Titan Pro	TP 18X97	RRX	1.8	MR	IL,PV

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt.

2018 Soybean - Minnesota South Central [MNSC]



Full-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt.
AgriGold	G1990RX GC	RRX	1.9	R	ASfi,IL
AgriGold	G2105RX GC	RRX	2.1	R	ASfi,IL
AgriGold	G2250RX GC	RRX	2.2	R	ASfi,IL
Anderson	217RXT	RRX	2.0	MR	None
Asgrow	AG19X8 §	RRX	1.9	R	AC,PV
Asgrow	AG20X7 §	RRX	2.0	R	AC,PV
Asgrow	AG21X7 §	RRX	2.1	R	AC,PV
Dairyland	DSR-1950/R2Y	RR2Y	1.9	R	CMB
Dairyland	DSR-2062/R2Y GC	RR	2.2	R	None
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	CMB
Dairyland	DSR-2197/R2Y	RR2Y	2.1	R	CMB
Dyna-Gro	S21XT49	RRX	2.1	R	EQV,Ci
Dyna-Gro	SX18822XP	RRX	2.2	R	EQV,Ci
Federal	F2190NR2X	RRX	2.1	R	None
Federal	F2280NR2X	RRX	2.2	R	None
Federal	F2290NR2X	RRX	2.2	R	None
Golden Harvest	GH1915X	RRX	1.9	R	CCB,Me
Golden Harvest	GH2230X	RRX	2.2	R	CCB,Me
Hefty	H20X7	RRX	2.0	MR	DST
Hefty	H21X9	RRX	2.1	MR	DST
Hefty	H22X8	RRX	2.2	MR	DST
Latham	L2084R2	RR2Y	2.0	R	SS+
Latham	L2228R2	RR2Y	2.2	R	SS+
Latham	L2239R2X	RRX	2.2	R	SS+
Latham	L2295R2X	RRX	2.2	R	SS+
LG Seeds	LGS2007RX	RRX	2.0	R	ASfi,IL
NK Brand	S20-J5X §	RRX	2.0	R	CCB,Me
NK Brand	S21-W8X §	RRX	2.1	R	CCB,Me
NorthStar	NS 1911NR2	RR2Y	1.9	MR	CCB
NuTech	7198 CK	RR	1.9	R	None
Pfister	20R23	RR2Y	2.0	R	CCB
Pioneer	P19A14X GC	RRX	1.9	R	None
Pioneer	P22T73R §	RR	2.2	R	None
Renk	RS207NX	RRX	2.0	R	EcTC
Renk	RS213NR2	RR2Y	2.1	R	EcTC
Renk	RS219NX	RRX	2.1	R	EcTC
Stine	19BA23 GC	G27	2.0	R	None
Stine	19RF32 §	RR2Y	1.9	R	SF
Stine	20RD20 §	RR2Y	2.0	R	SF
Stine	21RI32 §	RR2Y	2.1	R	SF
Titan Pro	TP 20X98	RRX	2.0	MR	IL,PV
Titan Pro	TP 22X68	RRX	2.2	MR	None

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt.

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.