

2018 Soybean Top 30 Performance Summary for Minnesota South [MNSO]



Early-Season Test

Maturity Group 1.6 - 1.9

Top 30 of 42

S2018MNSOa

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

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Yield Bu/A	Protein %	Oil %	Moisture %	Lodging %	Gross Income		Easton		Kasson	
										\$/Acre	Rank	Jeffers	New Richland		
AgriGold	G1990RX	RRX	1.9	R	65.4	34.8	18.9	9.8	0	\$540	1	68.4	61.9	64.6	66.5
Cornelius	CB18X80	RRX	1.8	R	64.4	35.0	18.7	9.6	0	\$531	2	65.1	61.1	64.5	66.7
NorthStar	NS 1911NR2	RR2Y	1.9	MR	63.8	34.3	18.7	10.1	0	\$526	3	67.7	64.1	54.5	68.9
Federal	F195NRR2Y	RR2Y	1.9	R	63.5	33.8	18.8	9.8	0	\$524	4	69.2	60.4	58.5	66.0
Golden Harvest	GH1852X	RRX	1.8	R	63.2	34.3	18.5	9.9	0	\$521	5	68.4	61.5	57.5	65.2
Cornelius	CB19R71	RR2Y	1.9	R	62.6	34.2	18.9	9.7	0	\$516	6	65.1	60.3	56.1	69.0
Titan Pro	TP 18X97	RRX	1.8	MR	62.1	34.6	19.0	9.9	0	\$512	7	64.1	55.9	62.4	66.0
Federal	F1690NR2X	RRX	1.6	R	62.0	35.9	18.3	10.1	0	\$512	8	67.2	58.0	60.1	62.5
Latham	L1748R2	RR2Y	1.7	R	61.4	34.6	19.0	9.8	0	\$507	9	62.8	58.4	57.3	67.1
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	61.4	34.3	19.2	10.0	0	\$507	10	65.5	59.5	59.8	60.6
AgriGold	G1502RX	RRX	1.5	R	61.3	34.6	18.2	9.9	0	\$506	11	67.8	56.6	55.6	65.2
Latham	L1858R2	RR2Y	1.8	R	61.1	34.1	18.9	10.0	0	\$504	12	66.9	63.2	50.0	64.1
Federal	F2090NR2X	RRX	1.9	R	61.1	35.2	18.7	10.0	0	\$504	13	66.7	57.6	55.1	65.0
Asgrow	AG17X8 §	RRX	1.7	R	61.0	34.2	19.6	10.1	0	\$503	14	63.6	58.2	60.0	62.2
Stine	19RF32 GC	RR2Y	1.9	R	60.9	34.6	18.8	9.7	0	\$502	15	69.6	57.6	51.6	64.6
NorthStar	NS 61903NXR2	RRX	1.9	MR	60.6	34.8	19.0	10.0	0	\$500	16	67.5	55.9	55.0	64.1
NK Brand	S18-G4X §	RRX	1.8	R	60.2	34.3	18.8	9.7	0	\$497	18	65.7	56.7	55.1	63.2
Dairyland	DSR-1950/R2Y	RR2Y	1.9	R	60.2	34.2	18.8	9.9	0	\$497	19	66.5	60.1	50.7	63.3
Latham	L1769R2X	RRX	1.7	R	59.9	36.0	18.6	9.7	0	\$494	20	65.5	56.2	58.1	59.7
Prairie Brand	PB-1787R2	RR2Y	1.7	R	59.6	34.3	19.2	10.0	0	\$492	21	62.2	55.2	54.5	66.3
Golden Harvest	GH1915X	RRX	1.9	R	59.5	33.5	19.3	10.0	0	\$491	22	62.3	55.9	58.6	61.1
Hefty	H17X9	RRX	1.7	MR	59.5	35.3	18.6	11.2	0	\$491	23	62.9	54.4	56.3	64.5
Federal	F1880NR2X	RRX	1.8	R	59.2	35.2	18.6	9.8	0	\$488	24	63.6	56.4	55.5	61.3
Hefty	H18X8	RRX	1.8	MR	59.1	34.9	18.9	9.9	0	\$488	25	65.5	62.8	46.3	61.8
Dyna-Gro	S18XT38	RRX	1.8	MR	58.8	35.5	18.6	9.5	0	\$485	26	63.3	56.3	53.7	61.7
Titan Pro	TP 16X77	RRX	1.6	MR	58.7	34.2	18.9	10.1	0	\$484	27	60.5	56.1	54.2	64.1
Dyna-Gro	S16XT58	RRX	1.6	R	58.3	34.6	18.8	10.2	0	\$481	28	62.9	57.5	48.6	64.3
Stine	19BA23 §	G27	2.0	R	58.0	34.2	18.9	10.8	0	\$479	29	63.1	58.7	45.3	64.7
Pioneer	P15T46R2 GC	RR2Y	1.5	R	57.8	34.4	18.7	9.9	0	\$477	30	63.5	56.9	53.8	57.0
Pioneer	P19A14X §	RRX	1.9	R	57.7	33.3	19.8	10.2	0	\$476	31	59.9	51.9	55.8	63.3
Thunder	SB8818N CK	RRX	1.8	R	60.3	35.3	18.8	9.7	0	\$497	17	66.6	60.1	54.3	60.2

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Averages =	59.4	34.7	18.8	9.9	0	\$490	63.6	57.1	54.4	62.5
LSD (0.10) =	3.1	0.4	0.2	0.3	ns		3.6	3.4	4.2	3.6
LSD (0.25) =	1.6	0.2	0.1	0.1	ns		1.9	1.8	2.2	1.9

Previous years average yield for region, 56.4 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: 10/26/2018 Revised: 11/20/2018 Protein and oil results added

2018 Soybean Top 30 Performance Summary for Minnesota South [MNSO]



Full-Season Test

Maturity Group 2.0 - 2.3

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S2018MNSOb

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

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Yield Bu/A ↓	Protein %	Oil %	Moisture %	Lodging %	Gross Income		Easton		Kasson	
										\$/Acre	Rank	Jeffers	New Richland		
AgriGold	G2250RX	RRX	2.2	R	65.7	34.0	19.5	10.3	0	\$542	1	64.8	62.4	66.9	68.7
Mustang	22X228 GC	RRX	2.2	R	65.3	34.6	19.1	10.1	0	\$539	2	65.9	65.1	63.9	66.2
AgriGold	G2105RX	RRX	2.1	R	64.5	34.8	18.7	10.2	0	\$532	3	66.5	57.2	65.6	68.6
Renk	RS207NX	RRX	2.0	R	64.1	35.2	18.5	10.2	0	\$529	4	65.8	61.0	60.9	68.8
Hefty	H22X8	RRX	2.2	MR	63.7	34.6	19.2	10.2	0	\$526	5	66.6	62.1	58.2	68.0
Federal	F2280NR2X	RRX	2.2	R	63.3	34.7	19.3	9.8	0	\$522	6	61.5	64.1	62.0	65.7
Latham	L2228R2	RR2Y	2.2	R	63.3	34.6	18.7	9.9	0	\$522	7	66.8	58.4	60.4	67.4
Cornelius	CB21X55	RRX	2.1	R	63.1	35.3	18.5	9.9	0	\$521	8	58.8	59.2	62.0	72.3
Titan Pro	TP 20X98	RRX	2.0	MR	63.0	35.4	18.6	10.0	0	\$520	9	61.1	54.5	66.2	70.2
Cornelius	CB20R44	RR2Y	2.0	R	62.3	34.5	19.1	10.5	0	\$514	10	64.3	57.4	61.9	65.7
Dyna-Gro	S21XT77	RRX	2.1	R	62.2	35.1	18.7	10.1	0	\$513	11	64.4	57.7	59.9	66.7
Dairyland	DSR-2197/R2Y	RR2Y	2.1	R	62.2	34.5	18.7	10.1	0	\$513	12	65.8	54.0	59.1	69.7
Mustang	24X728 GC	RRX	2.4	R	61.6	34.9	18.5	11.1	0	\$508	13	60.8	62.1	54.3	69.1
LG Seeds	LGS2007RX	RRX	2.0	R	61.5	35.2	18.7	9.8	0	\$507	14	61.1	59.5	60.9	64.3
Asgrow	AG20X7 §	RRX	2.0	R	61.3	35.1	18.8	10.1	0	\$506	15	61.2	56.6	61.4	65.9
Anderson	217RXT	RRX	2.0	MR	61.1	35.3	18.5	10.1	0	\$504	16	59.9	53.7	63.6	67.3
Stine	21RI32 §	RR2Y	2.1	R	60.8	34.3	19.0	10.0	0	\$502	17	60.6	55.0	63.1	64.4
Pfister	20R23	RR2Y	2.0	R	60.8	34.9	18.9	10.3	0	\$502	18	61.0	57.2	54.7	70.1
Renk	RS219NX	RRX	2.1	R	60.7	35.2	18.8	10.1	0	\$501	19	62.9	55.6	55.4	68.7
NorthStar	NS 62002NXR2	RRX	2.0	MR	60.7	35.6	18.3	10.1	0	\$501	20	63.2	55.6	59.0	65.1
Stine	20RD20 §	RR2Y	2.0	R	60.5	35.0	18.8	10.2	0	\$499	21	57.6	54.3	60.3	69.7
Hefty	H20X7	RRX	2.0	MR	60.4	35.0	18.7	10.1	1	\$498	22	59.2	61.1	54.7	66.6
Federal	F2190NR2X	RRX	2.1	R	60.3	35.4	18.6	9.9	0	\$497	23	59.6	56.4	56.7	68.6
Renk	RS213NR2	RR2Y	2.1	R	60.3	35.1	18.7	10.1	0	\$497	24	61.1	57.1	58.0	64.8
Hefty	H21X9	RRX	2.1	MR	60.3	35.7	18.4	10.1	0	\$497	25	60.4	57.7	53.5	69.6
Latham	L2295R2X	RRX	2.2	R	60.2	35.5	18.3	9.8	2	\$497	26	61.9	55.0	56.1	67.6
Cornelius	CB20X56	RRX	2.0	R	60.1	35.8	17.8	10.7	0	\$496	27	62.6	55.4	54.7	67.8
AgriGold	G2355RX	RRX	2.3	R	59.7	34.0	19.3	10.7	0	\$493	28	62.8	52.8	58.3	64.7
Latham	L2084R2	RR2Y	2.0	R	59.6	35.1	18.8	10.3	0	\$492	29	59.2	58.6	56.0	64.5
NK Brand	S21-W8X §	RRX	2.1	R	59.6	35.3	18.4	9.9	1	\$492	30	60.5	55.3	56.6	66.0
Thunder	SB8818N CK	RRX	1.8	R	58.4	35.4	18.3	10.0	0	\$482	36	57.4	60.3	50.8	65.2

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Averages =	60.1	34.8	18.7	10.1	0	\$496	59.9	56.8	57.1	66.6
LSD (0.10) =	2.7	0.4	0.2	0.3	0		4.8	3.1	4.1	3.6
LSD (0.25) =	1.4	0.2	0.1	0.2	0		2.5	1.6	2.1	1.9

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Report Date: 10/26/2018 Revised: 11/20/2018 Protein and oil results added

2018 Soybean - Minnesota South [MNSO]



Early-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt.
AgriGold	G1502RX	RRX	1.5	R	ASfi,IL
AgriGold	G1710RX	RRX	1.7	R	ASfi,IL
AgriGold	G1990RX	RRX	1.9	R	ASfi,IL
Anderson	168RXT	RRX	1.6	MR	None
Anderson	188RXT	RRX	1.8	MR	None
Asgrow	AG17X8 §	RRX	1.7	R	AC,PV
Asgrow	AG19X8 GC	RRX	1.9	R	AC,PV
Cornelius	CB18X80	RRX	1.8	R	PG+
Cornelius	CB19R71	RR2Y	1.9	R	PG+
Dairyland	DSR-1721/R2Y	RR2Y	1.7	R	CMB
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	CMB
Dairyland	DSR-1950/R2Y	RR2Y	1.9	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
Federal	F2090NR2X	RRX	1.9	R	None
Golden Harvest	GH1852X	RRX	1.8	R	CCB,Me
Golden Harvest	GH1915X	RRX	1.9	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	LGS1635RX	RRX	1.6	R	ASfi,IL
NK Brand	S18-G4X §	RRX	1.8	R	None
NK Brand	S18-H3X	RRX	1.8	R	CCB,Me
NorthStar	NS 1911NR2	RR2Y	1.9	MR	CCB
NorthStar	NS 61903NXR2	RRX	1.9	MR	CCB
Pioneer	P15T46R2 GC	RR2Y	1.5	R	None
Pioneer	P16A35X §	RRX	1.6	R	None
Pioneer	P19A14X §	RRX	1.9	R	None
Prairie Brand	PB-1787R2	RR2Y	1.7	R	CMB
Stine	19BA23 §	G27	2.0	R	None
Stine	19RF32 GC	RR2Y	1.9	R	SF
Thunder	SB8818N CK	RRX	1.8	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 [MNSO]



Full-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt.
AgriGold	G2105RX	RRX	2.1	R	ASfi,IL
AgriGold	G2250RX	RRX	2.2	R	ASfi,IL
AgriGold	G2355RX	RRX	2.3	R	ASfi,IL
Anderson	217RXT	RRX	2.0	MR	None
Asgrow	AG20X7 §	RRX	2.0	R	AC,PV
Asgrow	AG21X7 §	RRX	2.1	R	AC,PV
Cornelius	CB20R44	RR2Y	2.0	R	PG+
Cornelius	CB20X56	RRX	2.0	R	PG+
Cornelius	CB21X55	RRX	2.1	R	PG+
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
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	CMB
Dyna-Gro	S21XT49	RRX	2.1	R	EQV,Ci
Dyna-Gro	S21XT77	RRX	2.1	R	EQV,Ci
Dyna-Gro	SX18723XT	RRX	2.3	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	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
Hefty	H23X9	RRX	2.3	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
Mustang	22X228 GC	RRX	2.2	R	F,I
Mustang	24X728 GC	RRX	2.4	R	F,I
NK Brand	S20-J5X §	RRX	2.0	R	CCB,Me
NK Brand	S21-W8X §	RRX	2.1	R	CCB,Me
NorthStar	NS 2362NR2	RR2Y	2.3	MR	CCB
NorthStar	NS 62002NXR2	RRX	2.0	MR	CCB
NorthStar	NS 62294NXR2	RRX	2.2	MR	CCB
Pfister	20R23	RR2Y	2.0	R	CCB
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

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt.
Renk	RS239NX	RRX	2.3	R	None
Stine	20RD20 §	RR2Y	2.0	R	SF
Stine	21R132 §	RR2Y	2.1	R	SF
Thunder	SB8818N CK	RRX	1.8	R	Ret
Titan Pro	TP 20X98	RRX	2.0	MR	IL,PV
Titan Pro	TP 22X68	RRX	2.2	MR	None

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.