

2018 Soybean Top 30 Harvest Report
 Minnesota South [MNSO] JEFFERS
 Rick Quade, Cottonwood County, MN 56083



PREV. CROP/HERB: Corn / SureStart, Status, TripleFlex
 SOIL DESCRIPTION: Glencoe-Jeffers clay loam, moderately drained, non-irrigated
 SOIL CONDITIONS: High P, medium K, 6.4 pH, 5.2% OM, 28.7 CEC
 TILLAGE/CULTIVATION: Conventional w/ fall till
 PEST MANAGEMENT: Sonic, Roundup
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 28 140,000 /A 30" Spacing
 HARVESTED - STAND: Oct 24 129,300 /A

Early-Season Test
Maturity Group 1.6 - 1.9
 S2018MNSO06a

Top 30 of 42

For Gross Income (Sorted by Yield)
 Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NorthStar	NS 1911NR2	RR2Y	1.9	MR	64.1	8.3	0	130.2	\$529	1
Latham	L1858R2	RR2Y	1.8	R	63.2	8.0	0	130.2	\$521	2
Hefty	H18X8	RRX	1.8	MR	62.8	8.1	0	131.1	\$518	3
AgriGold	G1990RX	RRX	1.9	R	61.9	8.4	0	127.9	\$511	4
Golden Harvest	GH1852X	RRX	1.8	R	61.5	7.4	0	130.7	\$507	5
Cornelius	CB18X80	RRX	1.8	R	61.1	7.6	0	130.7	\$504	6
Federal	F195NRR2Y	RR2Y	1.9	R	60.4	7.4	0	129.7	\$498	7
Cornelius	CB19R71	RR2Y	1.9	R	60.3	7.4	0	128.8	\$497	8
Dairyland	DSR-1950/R2Y	RR2Y	1.9	R	60.1	8.0	0	129.7	\$496	10
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	59.5	8.1	0	130.7	\$491	11
Stine	19BA23 §	G27	2.0	R	58.7	9.2	0	130.7	\$484	12
Latham	L1748R2	RR2Y	1.7	R	58.4	7.1	0	129.7	\$482	13
Asgrow	AG17X8 §	RRX	1.7	R	58.2	8.0	0	130.2	\$480	14
Anderson	188RXT	RRX	1.8	MR	58.0	7.1	0	130.7	\$479	15
Federal	F1690NR2X	RRX	1.6	R	58.0	8.3	0	129.3	\$479	16
Dairyland	DSR-1721/R2Y	RR2Y	1.7	R	57.9	7.6	0	129.7	\$478	17
Stine	19RF32 GC	RR2Y	1.9	R	57.6	7.2	0	130.7	\$475	18
Asgrow	AG19X8 GC	RRX	1.9	R	57.6	8.5	0	130.2	\$475	19
Latham	L1845R2X	RRX	1.8	MR	57.6	7.7	0	128.8	\$475	20
Federal	F2090NR2X	RRX	1.9	R	57.6	8.4	0	130.2	\$475	21
Dyna-Gro	S16XT58	RRX	1.6	R	57.5	8.4	0	129.7	\$474	22
Pioneer	P15T46R2 GC	RR2Y	1.5	R	56.9	7.4	0	129.7	\$469	23
NK Brand	S18-G4X §	RRX	1.8	R	56.7	7.0	0	130.2	\$468	24
AgriGold	G1502RX	RRX	1.5	R	56.6	7.8	0	128.8	\$467	25
Federal	F1880NR2X	RRX	1.8	R	56.4	8.1	0	129.7	\$465	26
Dyna-Gro	S18XT38	RRX	1.8	MR	56.3	7.2	0	130.2	\$464	27
Latham	L1769R2X	RRX	1.7	R	56.2	7.3	0	130.7	\$464	28
Titan Pro	TP 16X77	RRX	1.6	MR	56.1	8.1	0	131.1	\$463	29
NorthStar	NS 61903NXR2	RRX	1.9	MR	55.9	8.1	0	129.7	\$461	30
Titan Pro	TP 18X97	RRX	1.8	MR	55.9	8.3	0	129.7	\$461	31
Thunder	SB8818N CK	RRX	1.8	R	60.1	7.5	0	110.6	\$496	9

Mark Querna

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Averages = **57.1** **7.9** **0** **129.3** **\$471**
 LSD (0.10) = 3.4 0.8 ns
 LSD (0.25) = 1.8 0.4 ns
 C.V. = 5.6

Prev. years avg. yield, 52.0 bu/a, 11 yrs

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

TEST COMMENTS: *Planting was delayed due to April snow, and then persistent rains in May. Another rain poured down just after we completed planting here. Final stands were good, and this site had enough natural elevation to prevent ponding from being an issue. Rick reports his bean yields have been in the 50's this year. Rainfall was persistent here, above average compared to past growing seasons.*

† See last page for abbreviation descriptions. Results in **bold** are significantly above test average by LSD (0.10). **ns** = column values not significantly different.

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 PEST MANAGEMENT: Sonic, Roundup
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 28 140,000 /A 30" Spacing
 HARVESTED - STAND: Oct 24 130,100 /A

Full-Season Test
Maturity Group 2.0 - 2.3
 S2018MNSO06b

Top 30 of 48

For Gross Income (Sorted by Yield)
 Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Mustang	22X228 GC	RRX	2.2	R	65.1	8.4	0	130.7	\$537	1
Federal	F2280NR2X	RRX	2.2	R	64.1	7.4	0	130.7	\$529	2
AgriGold	G2250RX	RRX	2.2	R	62.4	8.7	0	130.7	\$515	3
Hefty	H22X8	RRX	2.2	MR	62.1	8.4	0	131.6	\$512	4
Mustang	24X728 GC	RRX	2.4	R	62.1	9.6	1	130.2	\$512	5
Hefty	H20X7	RRX	2.0	MR	61.1	8.4	0	129.3	\$504	6
Renk	RS207NX	RRX	2.0	R	61.0	8.5	0	130.2	\$503	7
LG Seeds	LGS2007RX	RRX	2.0	R	59.5	8.6	0	131.1	\$491	9
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	59.3	8.4	0	129.7	\$489	10
Cornelius	CB21X55	RRX	2.1	R	59.2	7.7	0	129.7	\$488	11
Latham	L2084R2	RR2Y	2.0	R	58.6	8.8	1	130.2	\$483	12
Latham	L2228R2	RR2Y	2.2	R	58.4	8.0	0	131.1	\$482	13
Hefty	H21X9	RRX	2.1	MR	57.7	8.4	0	130.7	\$476	14
Dyna-Gro	S21XT77	RRX	2.1	R	57.7	8.3	1	127.9	\$476	15
Dyna-Gro	S21XT49	RRX	2.1	R	57.5	8.3	0	129.3	\$474	16
Cornelius	CB20R44	RR2Y	2.0	R	57.4	8.8	0	131.1	\$474	17
NorthStar	NS 2362NR2	RR2Y	2.3	MR	57.3	8.6	0	129.7	\$473	18
AgriGold	G2105RX	RRX	2.1	R	57.2	8.6	0	128.8	\$472	19
Pfister	20R23	RR2Y	2.0	R	57.2	8.5	0	130.2	\$472	20
Renk	RS213NR2	RR2Y	2.1	R	57.1	8.5	0	130.7	\$471	21
NK Brand	S20-J5X §	RRX	2.0	R	57.1	7.3	1	129.7	\$471	22
Hefty	H23X9	RRX	2.3	MR	57.0	8.7	0	130.2	\$470	23
NorthStar	NS 62294NXR2	RRX	2.2	MR	56.7	7.9	0	129.7	\$468	24
Asgrow	AG20X7 §	RRX	2.0	R	56.6	8.1	0	129.3	\$467	25
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	56.5	8.6	0	130.7	\$466	26
Federal	F2190NR2X	RRX	2.1	R	56.4	7.6	1	129.7	\$465	27
Dairyland	DSR-2062/R2Y GC	RR	2.2	R	56.0	7.4	0	130.2	\$462	28
Renk	RS219NX	RRX	2.1	R	55.6	8.3	0	129.3	\$459	29
NorthStar	NS 62002NXR2	RRX	2.0	MR	55.6	8.4	0	129.7	\$459	30
Asgrow	AG21X7 §	RRX	2.1	R	55.5	8.7	0	128.8	\$458	31
Thunder	SB8818N CK	RRX	1.8	R	60.3	8.2	0	130.7	\$497	8

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Averages = **56.8** **8.3** **0** **130.1** **\$468**
 LSD (0.10) = 3.1 0.7 0.8
 LSD (0.25) = 1.6 0.4 0.4
 C.V. = 5.1

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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	Gr+	Great Start™ Max Plus
A2020	Alert 2020™	I	insecticide
AC	Acceleron® fungicide products	IL	ILeVO®
ACi	Acceleron® fungicide and insecticide products	In	Intego™ Solo
AM	ApronMaxx®	IS	Intego™ Suite
ASfi	AgriShield® F+I	Lu	Lumisena™
AVB	Avicta® Complete Beans	Me	Mertect®
AVBV	Avicta® Complete Beans with Vibrance	None	untreated
BB	Buckeye Boost ST	Pd	proTect D™
CCB	Clariva™ Complete Beans	PG+	Profit Guard +™
CI	Clariva™ pn	PS	MAS Pro-Shield
CMB	CruiserMaxx® Beans	PV	Poncho®/Votivo®
CMBV	CruiserMaxx® Beans with Vibrance	R	Redigo™
DPHB	DPH Boost®	Ret	Revize® SB+T
DST	Dominance™ ST	Ri	Rizolex™
DX	Defend™ Extra	SF	Stine XP F
EcTC	Eclipse™ US Total coverage	SFI	Stine XP fungicide & insecticide
EE	Evergol™ Energy	SS	Soyshield™
EL	Elevate™ F+I	SS+	Soyshield Plus™
EL+	Elevate™ Plus	TE	Trius Elite™
En	Encase®	TT	Turbo Treat™
EQV	Equity® VIP	W	Warden® CX
Es	Escalate™	Wr	Warden® RTA
F	fungicide	YPP	YP Pro™
G	Gaucho®		

* Seed treatments may include unspecified plant health promoting components.