

**2018 Soybean Top 30 Harvest Report**  
 Minnesota South [ MNSO ] NEW RICHLAND  
 Leon Schoenrock, Waseca County, MN 56072



PREV. CROP/HERB: Corn / Resicore, atrazine, Roundup  
 SOIL DESCRIPTION: Webster clay loam, mod. well drained, non-irrigated  
 SOIL CONDITIONS: Very high P, medium K, 7.5 pH, 4.9% OM, 30.4 CEC  
 TILLAGE/CULTIVATION: Conventional w/ fall till  
 PEST MANAGEMENT: Fomesafen, Clethodim, Buccaneer  
 APPLIED N-P-K (units): 5-26-90  
 SEEDED - RATE - ROW: May 21 140,000 /A 30" Spacing  
 HARVESTED - STAND: Oct 18 134,700 /A

**Early-Season Test**  
**Maturity Group 1.6 - 1.9**  
 S2018MNSO07a

**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
Cornelius	CB19R71	RR2Y	1.9	R	<b>69.0</b>	11.4	0	134.4	\$569	1
NorthStar	NS 1911NR2	RR2Y	1.9	MR	<b>68.9</b>	11.5	0	135.8	\$568	2
Latham	L1748R2	RR2Y	1.7	R	<b>67.1</b>	11.4	0	133.9	\$554	3
Cornelius	CB18X80	RRX	1.8	R	<b>66.7</b>	11.0	0	135.8	\$550	4
AgriGold	G1990RX	RRX	1.9	R	<b>66.5</b>	11.1	1	134.9	\$549	5
Prairie Brand	PB-1787R2	RR2Y	1.7	R	<b>66.3</b>	11.4	0	133.9	\$547	6
Titan Pro	TP 18X97	RRX	1.8	MR	66.0	11.3	0	133.9	\$545	7
Federal	F195NRR2Y	RR2Y	1.9	R	66.0	11.4	0	133.5	\$545	8
Golden Harvest	GH1852X	RRX	1.8	R	65.2	11.8	0	135.8	\$538	9
AgriGold	G1502RX	RRX	1.5	R	65.2	11.6	1	134.9	\$538	10
Federal	F2090NR2X	RRX	1.9	R	65.0	11.4	0	134.9	\$536	11
Stine	19BA23 §	G27	2.0	R	64.7	12.1	0	135.8	\$534	12
Stine	19RF32 GC	RR2Y	1.9	R	64.6	11.5	0	134.4	\$533	13
Hefty	H17X9	RRX	1.7	MR	64.5	13.0	0	135.8	\$532	14
Dyna-Gro	S16XT58	RRX	1.6	R	64.3	11.5	0	134.4	\$530	15
NorthStar	NS 61903NXR2	RRX	1.9	MR	64.1	11.4	0	134.9	\$529	16
Titan Pro	TP 16X77	RRX	1.6	MR	64.1	11.6	0	133.9	\$529	17
Latham	L1858R2	RR2Y	1.8	R	64.1	11.6	0	134.4	\$529	18
Dairyland	DSR-1950/R2Y	RR2Y	1.9	R	63.3	11.2	0	134.4	\$522	19
Pioneer	P19A14X §	RRX	1.9	R	63.3	12.0	0	134.4	\$522	20
NK Brand	S18-G4X §	RRX	1.8	R	63.2	11.5	0	134.9	\$521	21
Federal	F1690NR2X	RRX	1.6	R	62.5	11.3	0	135.8	\$516	22
Asgrow	AG17X8 §	RRX	1.7	R	62.2	11.5	0	133.9	\$513	23
Hefty	H18X8	RRX	1.8	MR	61.8	11.1	0	133.9	\$510	24
Dyna-Gro	S18XT38	RRX	1.8	MR	61.7	11.0	0	134.9	\$509	25
Anderson	188RXT	RRX	1.8	MR	61.5	11.1	0	133.5	\$507	26
Federal	F1880NR2X	RRX	1.8	R	61.3	11.1	0	134.9	\$506	27
Latham	L1845R2X	RRX	1.8	MR	61.1	11.2	0	135.3	\$504	28
Golden Harvest	GH1915X	RRX	1.9	R	61.1	11.9	0	135.3	\$504	29
Dairyland	DSR-1721/R2Y	RR2Y	1.7	R	60.8	11.5	0	132.1	\$502	30
Thunder	SB8818N CK	RRX	1.8	R	60.2	11.1	0	134.9	\$497	33

*Mark Querna*

Mark Querna  
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Averages =	<b>62.5</b>	<b>11.4</b>	<b>0</b>	<b>134.7</b>	<b>\$515</b>
LSD (0.10) =	3.6	0.3	ns		
LSD (0.25) =	1.9	0.1	ns		
C.V. =	5.4				

Prev. years avg. yield, 60.3 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

**TEST COMMENTS:** *Planting was delayed due to April snow and cool temps. Emergence was great, and final stands were quite uniform. Plants were taller than in some other fields. Lodging was minimal, and seed size was quite large. Leon stated that his soybean yields are very good. This yield quality was all in spite of too much rain all season long. Soybean roots were saturated right until harvest.*

† 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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Test by: IMQ, LLC, New Richland, MN

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TILLAGE/CULTIVATION: Conventional w/ fall till  
PEST MANAGEMENT: Fomesafen, Clethodim, Buccaneer  
APPLIED N-P-K (units): 5-26-90  
SEEDED - RATE - ROW: May 21 140,000 /A 30" Spacing  
HARVESTED - STAND: Oct 18 134,700 /A

**Full-Season Test**  
**Maturity Group 2.0 - 2.3**  
S2018MNSO07b

### 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
<b>Cornelius</b>	<b>CB21X55</b>	<b>RRX</b>	<b>2.1</b>	<b>R</b>	<b>72.3</b>	<b>11.3</b>	<b>0</b>	<b>134.9</b>	<b>\$596</b>	<b>1</b>
Titan Pro	TP 20X98	RRX	2.0	MR	70.2	11.4	0	133.9	\$579	2
Pfister	20R23	RR2Y	2.0	R	70.1	11.7	0	134.9	\$578	3
NK Brand	S20-J5X §	RRX	2.0	R	69.7	11.1	0	133.5	\$575	4
Stine	20RD20 §	RR2Y	2.0	R	69.7	11.5	0	135.3	\$575	5
Dairyland	DSR-2197/R2Y	RR2Y	2.1	R	69.7	11.5	0	134.9	\$575	6
Hefty	H21X9	RRX	2.1	MR	69.6	11.1	1	134.9	\$574	7
Mustang	24X728 GC	RRX	2.4	R	69.1	12.8	0	135.3	\$570	8
Renk	RS207NX	RRX	2.0	R	68.8	11.7	0	134.9	\$568	9
AgriGold	G2250RX	RRX	2.2	R	68.7	12.3	0	135.8	\$567	10
Renk	RS219NX	RRX	2.1	R	68.7	11.2	0	134.9	\$567	11
Federal	F2190NR2X	RRX	2.1	R	68.6	11.6	0	133.9	\$566	12
AgriGold	G2105RX	RRX	2.1	R	68.6	11.6	0	134.4	\$566	13
Hefty	H22X8	RRX	2.2	MR	68.0	11.6	0	135.3	\$561	14
<b>Cornelius</b>	<b>CB20X56</b>	<b>RRX</b>	<b>2.0</b>	<b>R</b>	<b>67.8</b>	<b>12.2</b>	<b>0</b>	<b>134.4</b>	<b>\$559</b>	<b>15</b>
Latham	L2295R2X	RRX	2.2	R	67.6	11.1	3	133.9	\$558	16
Dyna-Gro	SX18723XT	RRX	2.3	R	67.5	11.8	0	134.9	\$557	17
Latham	L2228R2	RR2Y	2.2	R	67.4	11.1	0	134.9	\$556	18
NorthStar	NS 62294NXR2	RRX	2.2	MR	67.4	11.3	1	134.9	\$556	19
Anderson	217RXT	RRX	2.0	MR	67.3	11.5	0	133.9	\$555	20
Dyna-Gro	S21XT49	RRX	2.1	R	66.8	11.3	0	134.4	\$551	21
Dyna-Gro	S21XT77	RRX	2.1	R	66.7	11.4	0	134.9	\$550	22
Hefty	H23X9	RRX	2.3	MR	66.6	11.9	0	134.9	\$549	23
Hefty	H20X7	RRX	2.0	MR	66.6	11.6	2	135.8	\$549	24
Golden Harvest	GH2230X	RRX	2.2	R	66.2	11.3	0	134.9	\$546	25
Mustang	22X228 GC	RRX	2.2	R	66.2	11.3	0	133.0	\$546	26
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	66.2	11.4	1	133.5	\$546	27
NK Brand	S21-W8X §	RRX	2.1	R	66.0	11.1	2	134.4	\$545	28
Asgrow	AG20X7 §	RRX	2.0	R	65.9	11.5	0	134.4	\$544	29
<b>Cornelius</b>	<b>CB20R44</b>	<b>RR2Y</b>	<b>2.0</b>	<b>R</b>	<b>65.7</b>	<b>11.9</b>	<b>0</b>	<b>133.5</b>	<b>\$542</b>	<b>30</b>
Thunder	SB8818N CK	RRX	1.8	R	65.2	11.1	0	135.3	\$538	35

*Mark Querna*

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Averages = **66.6** **11.5** **0** **134.7** **\$549**  
LSD (0.10) = 3.6 0.4 ns  
LSD (0.25) = 1.9 0.2 ns  
C.V. = 5.2

Prev. years avg. yield, 60.3 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

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Report Date: 10/20/2018 Revised:

**2018 Soybean - Minnesota South [ MNSO ]**

**Early-Season Test Products (42 Total)**

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

## 2018 Soybean - Minnesota South [ MNSO ]

### Full-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
AgriGold	G2105RX	RRX	2.1	R	ASfi,IL	Thunder	SB8818N CK	RRX	1.8	R	Ret
AgriGold	G2250RX	RRX	2.2	R	ASfi,IL	Titan Pro	TP 20X98	RRX	2.0	MR	IL,PV
AgriGold	G2355RX	RRX	2.3	R	ASfi,IL	Titan Pro	TP 22X68	RRX	2.2	MR	None
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						
Renk	RS239NX	RRX	2.3	R	None						
Stine	20RD20 §	RR2Y	2.0	R	SF						
Stine	21RI32 §	RR2Y	2.1	R	SF						

## 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.