

**2016 Soybean Top 30 Harvest Report**  
 Minnesota South [ MNSO ] JEFFERS  
 Rick Quade, Cottonwood County, MN 56083



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Corn / SureStart  
 SOIL DESCRIPTION: Webster, Nicollet clay loam, moderately drained, non-irrigated  
 SOIL CONDITIONS: Mod. High P, high K, 6.4 pH, 4.5 % OM, low SCN  
 TILLAGE/CULTIVATION: Conventional w/ fall till  
 PEST MANAGEMENT: Sonic, Warrant Ultra, Fusilade, Lorsban  
 SEEDED - RATE - ROW: May 18 140,200 /A 30" Spacing  
 HARVESTED - STAND: Oct 14 131,000 /A

**Early-Season Test**  
**Maturity Group 1.6 - 2.0**  
 S2016MNSO01a

**Top 30 of 42**  
 For Gross Income (Sorted by Yield)  
 Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Seed Trt.†	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income
Asgrow	AG1636 §	RR2Y	1.6	R	ACi	<b>71.8</b>	14.4	0	132.4	\$626
Pfister	18R201	RR2Y	1.8	R	CCB	<b>71.4</b>	13.9	0	130.1	\$623
Prairie Brand	PB-1956R2	RR2Y	1.9	R	CCB,In	<b>70.5</b>	14.6	0	132.0	\$615
NorthStar	NS 1911NR2	RR2Y	1.9	R	CMBV	<b>70.2</b>	13.4	0	130.1	\$614
Cornelius	CB19R71	RR2Y	1.9	R	CMBV,IL	<b>69.8</b>	13.7	0	130.6	\$610
Asgrow	AG1935 §	RR2Y	1.9	R	ACi	<b>69.8</b>	14.1	0	131.0	\$609
Mustang	19726	RR2Y	1.9	R	NCFI	<b>69.7</b>	14.2	0	131.5	\$608
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	CMB	69.1	14.0	0	131.5	\$603
NorthStar	NS 1661NR2	RR2Y	1.6	R	CMBV	69.0	14.5	0	134.7	\$602
Dyna-Gro	S19RY65	RR2Y	1.9	R	CCB	68.3	13.8	0	131.0	\$597
LG Seeds	C1870R2	RR2Y	1.8	R	CCB	67.6	13.8	0	131.5	\$590
Latham	L1858R2	RR2Y	1.8	R	CCB,Me	67.6	14.3	0	130.1	\$590
Stine	19RF32 §	RR2Y	1.9	R	SFI	67.4	13.9	0	132.4	\$589
NorthStar	NS 61882NXR2	RRX	1.8	R	CMBV	67.4	14.2	0	132.4	\$588
Prairie Brand	PB-1822R2	RR2Y	1.8	R	CCB,In	67.2	14.2	0	129.6	\$586
Pfister	19R24	RR2Y	1.9	R	CCB	67.2	14.3	0	133.8	\$586
Latham	E1748R2	RR2Y	1.7	R	CCB,Me	66.9	14.2	0	129.6	\$584
Prairie Brand	PB-1947R2	RR2Y	1.9	R	CCB,In	66.7	14.1	0	133.4	\$582
NorthStar	NS 1776NR2	RR2Y	1.7	R	CMBV	65.9	13.9	0	129.6	\$575
Anderson	185R2Y	RR2Y	1.8	R	None	65.9	14.2	0	131.5	\$575
Renk	RS195NR2	RR2Y	1.9	R	CMBV	65.5	13.7	0	130.1	\$572
Cornelius	CB18X97	RRX	1.8	R	ACi	65.0	14.1	0	130.1	\$567
Dyna-Gro	S17RY67	RR2Y	1.7	R	CCB	64.9	14.7	0	130.1	\$566
Latham	L1882R2	RR2Y	1.8	R	CCB,Me	64.7	14.0	0	132.9	\$565
Hefty	H17X7	RRX	1.7	MR	AM	64.6	14.3	0	128.2	\$564
NK Brand	S14-A6 §	RR2Y	1.4	MR	CCB,Me	64.4	14.8	0	133.8	\$561
Prairie Brand	PB-1787R2	RR2Y	1.7	R	CCB,In	64.2	14.2	0	129.6	\$560
Stine	17RH03 §	RR2Y	1.7	S	SFI	64.2	14.7	0	130.6	\$560
Titan Pro	TP-17X26	RRX	1.7	R	None	63.7	14.8	0	131.5	\$555
Titan Pro	TP-19X06	RRX	1.9	R	IS	63.4	14.4	0	129.2	\$553
Dahlman	5721NRR2Y CK	RR2Y	2.1	R	None	66.5	14.1	0	131.5	\$580

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Averages =	<b>65.5</b>	<b>14.2</b>	<b>0</b>	<b>131.0</b>	<b>\$572</b>
LSD (0.10) =	3.9	ns	ns		
LSD (0.25) =	2.7	ns	ns		
C.V. =	4.3				Prev. years avg. yield, 50.6 bu/a, 9 yrs

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.75 GMO; \$8.75 non-GMO

**TEST COMMENTS:** *A wet spring season ensured the soil profile was fully charged at the start of the growing season. Rick reports that there were a few weeks that got dry, but by July 15th, rains returned and stayed through harvest. No killing frost occurred until October 13. Aphid pressure was severe, so Rick hired a plane to spray Lorsban since it was too wet for field traffic. Plants were tall and robust at 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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Report Date: 10/15/2016 Revised:

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 TILLAGE/CULTIVATION: Conventional w/ fall till  
 PEST MANAGEMENT: Sonic, Warrant Ultra, Fusilade, Lorsban  
 SEEDED - RATE - ROW: May 18 140,200 /A 30" Spacing  
 HARVESTED - STAND: Oct 14 130,900 /A

**Full-Season Test**  
**Maturity Group 2.1 - 2.3**  
 S2016MNSO01b

**Top 30 of 45**  
 For Gross Income (Sorted by Yield)  
 Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Seed Trt.†	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income
Cornelius	CB21X22	RRX	2.1	R	ACi	<b>71.0</b>	13.9	0	130.6	\$620
Dyna-Gro	S21XT77	RRX	2.1	R	ACi	<b>70.7</b>	14.5	0	127.8	\$617
Dairyland	DSR-2017/R2Y	RR2Y	2.0	R	CMB	<b>70.6</b>	15.2	0	129.2	\$615
Federal	F2170NR2X	RRX	2.1	R	None	<b>70.0</b>	14.0	0	132.0	\$611
Renk	RS207NX	RRX	2.0	R	CMBV	<b>69.7</b>	14.3	0	131.5	\$608
Titan Pro	TP-21X46	RRX	2.1	R	None	69.5	14.0	0	130.1	\$607
Asgrow	AG2035 §	RR2Y	2.0	R	ACi	69.3	14.5	0	132.0	\$604
Federal	F226NRR2Y	RR2Y	2.2	R	None	69.2	14.3	0	130.1	\$604
NorthStar	NS 62002NXR2	RRX	2.0	R	CMBV	68.8	13.8	0	131.0	\$601
Hefty	H20X7	RRX	2.0	MR	DST	68.4	14.0	0	128.7	\$597
LG Seeds	C2126RX	RRX	2.1	R	CCB	68.2	14.0	0	132.4	\$595
Anderson	217RXT	RRX	2.1	R	ACi	68.2	14.4	0	131.0	\$595
Latham	L2184R2X	RRX	2.1	R	SS	68.0	14.5	0	131.0	\$593
Mustang	21X127	RRX	2.1	R	ACi	68.0	14.7	0	132.4	\$593
Renk	RS213NR2	RR2Y	2.1	R	CMBV	68.0	14.7	0	130.6	\$593
Pfister	21R205	RR2Y	2.1	R	CCB	67.2	14.6	0	133.8	\$586
NK Brand	S20-T6 §	RR2Y	2.0	MR	CCB,Me	66.9	14.1	0	129.6	\$584
Viking	2055R2N	RR2Y	2.0	R	CMBV	66.9	15.1	0	131.5	\$583
Latham	L2084R2	RR2Y	2.0	R	CCB,Me	66.8	14.7	0	130.1	\$582
Titan Pro	TP-20R25	RR2Y	2.0	R	IS	66.8	14.9	0	130.6	\$582
Titan Pro	TP-21R55	RR2Y	2.1	R	IS	66.7	14.3	0	129.6	\$582
Pfister	21R201	RR2Y	2.1	R	CCB	66.6	14.3	0	132.0	\$581
Prairie Brand	PB-2024R2	RR2Y	2.1	R	CCB,In	66.6	15.2	0	130.1	\$580
Latham	L2228R2	RR2Y	2.2	R	CCB,Me	66.5	14.3	0	133.8	\$580
NK Brand	S22-S1 §	RR2Y	2.2	R	CCB,Me	66.5	14.4	0	131.0	\$580
Anderson	206R2Y	RR2Y	2.0	R	None	66.0	14.5	0	132.4	\$576
Cornelius	CB20R44	RR2Y	2.0	R	CMBV,IL	65.9	14.8	0	129.6	\$574
Pioneer	P22T69R §	RR	2.2	R	None	65.8	14.4	0	129.6	\$574
Prairie Brand	PB-2197R2	RR2Y	2.1	R	CCB,In	65.8	14.9	0	130.6	\$573
Hefty	H23X7	RRX	2.3	S	DST	65.7	14.0	0	128.2	\$574
Dahlman	5721NRR2Y CK	RR2Y	2.1	R	None	64.5	14.8	0	131.0	\$562

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Averages =	<b>66.6</b>	<b>14.5</b>	<b>0</b>	<b>130.9</b>	<b>\$581</b>
LSD (0.10) =	3.1	0.8	ns		
LSD (0.25) =	2.2	0.5	ns		
C.V. =	3.4				Prev. years avg. yield, 50.6 bu/a, 9 yrs

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.75 GMO; \$8.75 non-GMO

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## Footnotes and Abbreviation Descriptions

### Brand Footnotes

^	G2® brand seed is distributed by NuTech Seed, LLC. RPM® brand seed is distributed by Doeblers PA Hybrids, Inc. Supreme EX® brand seed is distributed by Seed Consultants, Inc. VPMaxx® brand seed is distributed by AgVenture, Inc. XL® brand seed is distributed by Beck's Superior Hybrids. Curry®, G2®, HPT®, RPM®, Supreme EX®, VPMaxx® and XL® are registered trademarks of DuPont Pioneer.
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

LL	LibertyLink®
None	Conventional, non-GMO
P	Plenish®
RR	glyphosate tolerant
RR2Y	Genuity® Roundup Ready 2 Yield®
RRX	Genuity® Roundup Ready 2 Xtend®
ST	sulfonylurea tolerant

### Soybean Cyst Nematode (SCN) Resistance Rating

S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

### Soybean Seed Treatments\*

n/a	info unavailable	IL	ILeVO®
AC	Acceleron® fungicide products	In	Intego™ Solo
ACi	Acceleron® fungicide and insecticide products	IS	Intego™ Suite
AG	ArmourGuard™	MAG	Maximum ArmourGuard™
AM	ApronMaxx®	Me	Mertect®
AVB	Avicta® Complete Beans	Mg	Magnum ST™ (standard)
CCB	Clariva™ Complete Beans	NCFI	N-Compass™ Plus F/I
CI	Clariva™ pn	None	untreated
CMB	CruiserMaxx® Beans	PV	Poncho®/Votivo®
CMBV	CruiserMaxx® Beans with Vibrance	SDPI	Servo™ DPI
DPHB	DPH Boost®	SFI	Stine XP fungicide & insecticide
DST	Dominance™ ST	SS	Soyshield™
DX	Defend™ Extra	SS+	Soyshield Plus™
EE	Evergol™ Energy	SStd	SureStand™
En	Encase®	TE	Trius™ Elite
G	Gaucho®	WCX	Warden® CX
Gr+	Great Start™ Max Plus		

\* Seed treatments may include unspecified plant health promoting components.