

## 2016 Soybean Top 30 Harvest Report

Minnesota South [ MNSO ] KASSON  
Brian Herbst, Dodge County, MN 55944



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Corn / Laudis, atrazine, Staunch  
SOIL DESCRIPTION: Tripoli silty clay, well drained, non-irrigated  
SOIL CONDITIONS: High P, high K, 6.6 pH, 3.2 % OM, low SCN  
TILLAGE/CULTIVATION: Conventional w/ fall till  
PEST MANAGEMENT: OpTill. Sharpen, Flexstar, Roundup PowerMax  
SEEDED - RATE - ROW: May 19 140,200 /A 30" Spacing  
HARVESTED - STAND: Oct 7 132,200 /A

**Early-Season Test**  
**Maturity Group 1.6 - 2.0**  
S2016MNSO04a

**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	
Cornelius	CB19R71	RR2Y	1.9	R	CMBV,IL	<b>73.5</b>	16.5	0	134.7	\$638	
Dyna-Gro	S17RY67	RR2Y	1.7	R	CCB	<b>70.9</b>	16.6	0	128.2	\$615	
Latham	L1759R2X	RRX	1.7	R	CCB,Me	<b>68.3</b>	16.3	0	135.7	\$593	
Anderson	167RXT	RRX	1.6	R	None	<b>68.2</b>	16.1	0	133.4	\$593	
Pfister	19R24	RR2Y	1.9	R	CCB	67.2	16.5	0	134.3	\$583	
Hefty	H18X7	RRX	1.8	MR	DST	66.9	16.0	0	134.3	\$581	
Latham	E1748R2	RR2Y	1.7	R	CCB,Me	66.5	16.3	0	130.1	\$577	
Asgrow	AG1636 §	RR2Y	1.6	R	ACi	66.2	16.8	0	133.8	\$574	
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	CMB	66.1	16.1	0	131.0	\$574	
Prairie Brand	PB-1787R2	RR2Y	1.7	R	CCB,In	65.5	16.5	0	131.0	\$569	
Mustang	17X726	RRX	1.7	R	ACi	65.3	15.7	0	131.0	\$568	
Pfister	18R201	RR2Y	1.8	R	CCB	64.7	16.2	0	132.9	\$562	
Titan Pro	TP-17X26	RRX	1.7	R	None	64.3	15.9	0	129.2	\$559	
Stine	19RF32 §	RR2Y	1.9	R	SFI	63.0	16.2	0	132.4	\$547	
NorthStar	NS 1661NR2	RR2Y	1.6	R	CMBV	62.4	16.2	0	132.4	\$542	
Stine	17RH03 §	RR2Y	1.7	S	SFI	61.7	16.2	0	131.0	\$536	
Prairie Brand	PB-1956R2	RR2Y	1.9	R	CCB,In	60.6	16.6	0	133.8	\$526	
Hefty	H16X7	RRX	1.6	MR	DST	60.2	16.1	0	133.4	\$523	
Anderson	187RXT	RRX	1.8	R	None	60.1	16.0	0	131.5	\$522	
Dyna-Gro	S19RY65	RR2Y	1.9	R	CCB	59.8	16.5	0	131.0	\$519	
LG Seeds	C1870R2	RR2Y	1.8	R	CCB	59.0	16.6	0	131.5	\$512	
Titan Pro	TP-16X36	RRX	1.6	R	None	58.4	16.7	0	131.0	\$507	
Asgrow	AG1935 §	RR2Y	1.9	R	ACi	58.4	17.1	0	130.6	\$506	
Renk	RS177NX	RRX	1.8	R	CMBV	58.3	16.4	0	133.8	\$506	
Hefty	H17X7	RRX	1.7	MR	AM	57.0	16.1	0	133.4	\$495	
Mustang	19726	RR2Y	1.9	R	NCFI	56.7	16.6	0	133.4	\$492	
Latham	L1858R2	RR2Y	1.8	R	CCB,Me	56.4	16.2	0	131.0	\$490	
Prairie Brand	PB-1947R2	RR2Y	1.9	R	CCB,In	55.8	16.3	0	132.9	\$485	
NorthStar	NS 1911NR2	RR2Y	1.9	R	CMBV	54.8	16.2	0	133.4	\$476	
NK Brand	S14-A6 §	RR2Y	1.4	MR	CCB,Me	54.5	17.1	0	132.9	\$472	
Dahlman	5721NRR2Y CK	RR2Y	2.1	R	None	59.9	16.4	0	130.1	\$520	
						Averages =	<b>58.5</b>	<b>16.3</b>	<b>0</b>	<b>132.2</b>	<b>\$508</b>
						LSD (0.10) =	9.0	ns	ns		
						LSD (0.25) =	6.3	ns	ns		
						C.V. =	11.3				

Mark Querna  
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Prev. years avg. yield, 58.3 bu/a, 14 yrs

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

**TEST COMMENTS:** *These tests are located in a lower-lying area. Plentiful moisture (10" above average for the growing season) and ideal growing season allowed sudden death syndrome (SDS) to be very pronounced here and area wide. Yield variation due to SDS within these tests was quite visible from the combine and yield data. The field surrounding this plot averaged 71 bpa and Brian's field to the east averaged 73 bpa.*

† 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: 10/12/2016 Revised:

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SOIL CONDITIONS: High P, high K, 6.6 pH, 3.2 % OM, low SCN  
TILLAGE/CULTIVATION: Conventional w/ fall till  
PEST MANAGEMENT: OpTill. Sharpen, Flexstar, Roundup PowerMax  
SEEDED - RATE - ROW: May 19 140,200 /A 30" Spacing  
HARVESTED - STAND: Oct 7 133,500 /A

**Full-Season Test**  
**Maturity Group 2.1 - 2.3**  
S2016MNSO04b

**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
Titan Pro	TP-21X46	RRX	2.1	R	None	<b>74.0</b>	12.0	0	133.4	\$648
Cornelius	CB22R34	RR2Y	2.2	R	CMBV,IL	<b>73.8</b>	12.5	0	134.7	\$646
Pfister	21R205	RR2Y	2.1	R	CCB	69.5	11.6	0	135.2	\$608
Hefty	H21X6	RRX	2.1	MR	DST	69.4	12.6	0	134.3	\$607
LG Seeds	C2126RX	RRX	2.1	R	CCB	69.4	12.6	0	131.0	\$607
Titan Pro	TP-21R55	RR2Y	2.1	R	IS	69.3	13.2	0	138.0	\$606
Pioneer	P22T69R §	RR	2.2	R	None	67.7	12.0	0	129.6	\$592
Federal	F2170NR2X	RRX	2.1	R	None	67.7	12.3	0	135.2	\$592
NorthStar	NS 62002NXR2	RRX	2.0	R	CMBV	67.3	12.2	0	132.9	\$589
LG Seeds	C2255R2	RR2Y	2.2	R	CCB	66.1	11.8	0	133.8	\$578
Anderson	217RXT	RRX	2.1	R	ACi	65.6	12.3	0	136.6	\$574
Renk	RS207NX	RRX	2.0	R	CMBV	65.4	12.1	0	132.4	\$572
Prairie Brand	PB-2197R2	RR2Y	2.1	R	CCB,In	64.8	11.9	0	132.4	\$567
Viking	2055R2N	RR2Y	2.0	R	CMBV	64.2	12.4	0	132.4	\$562
Pfister	21R201	RR2Y	2.1	R	CCB	63.9	12.7	0	129.6	\$559
Federal	F226NRR2Y	RR2Y	2.2	R	None	63.7	12.3	0	134.3	\$557
Asgrow	AG2035 §	RR2Y	2.0	R	ACi	62.6	12.6	0	134.7	\$548
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	CMB	62.4	12.6	0	134.7	\$546
Prairie Brand	PB-2296R2	RR2Y	2.2	R	CCB,In	62.0	12.8	0	133.4	\$543
NK Brand	S22-S1 §	RR2Y	2.2	R	CCB,Me	61.5	12.1	0	129.6	\$538
Mustang	21X127	RRX	2.1	R	ACi	61.3	12.2	0	134.7	\$536
Cornelius	CB20R44	RR2Y	2.0	R	CMBV,IL	60.8	12.5	0	130.6	\$532
Prairie Brand	PB-2486R2	RR2Y	2.4	R	CCB,In	60.7	12.7	0	134.3	\$531
Latham	L2084R2	RR2Y	2.0	R	CCB,Me	60.0	12.4	0	136.1	\$525
Dyna-Gro	S21XT77	RRX	2.1	R	ACi	58.8	12.2	0	133.8	\$515
NorthStar	NS 2111NR2	RR2Y	2.1	R	CMBV	58.2	12.6	0	133.8	\$509
Renk	RS213NR2	RR2Y	2.1	R	CMBV	57.8	14.0	0	132.0	\$505
Prairie Brand	PB-2024R2	RR2Y	2.1	R	CCB,In	56.9	12.5	0	133.4	\$498
Dyna-Gro	S20RY45	RR2Y	2.0	R	CCB	56.7	12.1	0	133.8	\$496
Stine	20RD20 §	RR2Y	2.0	R	SFI	56.7	12.8	0	131.5	\$496
Dahlman	5721NRR2Y CK	RR2Y	2.1	R	None	65.0	12.2	0	132.9	\$569

Mark Querna

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Averages =	<b>60.6</b>	<b>12.4</b>	<b>0</b>	<b>133.5</b>	<b>\$530</b>
LSD (0.10) =	12.9	0.7	ns		
LSD (0.25) =	9.0	0.5	ns		
C.V. =	15.7				Prev. years avg. yield, 58.3 bu/a, 14 yrs

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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.