

## 2016 Soybean Top 30 Harvest Report

Minnesota South Central [ MNSC ] TRACY  
Brian Hicks, Lyon County, MN 56175



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Corn / Harness, Halex GT  
SOIL DESCRIPTION: Webster, Seaforth-Wilmington clay loam, well drained, non-irrigated  
SOIL CONDITIONS: High P, high K, 6.7 pH, 4 % OM, low SCN  
TILLAGE/CULTIVATION: Conventional w/ fall till  
PEST MANAGEMENT: Authority First, Roundup, Flexstar, Fusilade, Lorsban  
SEEDED - RATE - ROW: May 17 140,200 /A 30" Spacing  
HARVESTED - STAND: Oct 16 129,100 /A

**Early-Season Test**  
**Maturity Group 1.5 - 1.8**  
S2016MNSC05a

**Top 30 of 42**  
For Gross Income (Sorted by Yield)  
Average of (2) Replications

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Seed Trt.†	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income
LG Seeds	C1870R2	RR2Y	1.8	R	CCB	<b>85.2</b>	13.5	0	131.7	\$745
Channel	1405R2 GC	RR2Y	1.4	R	ACi	<b>83.2</b>	13.2	0	131.0	\$728
Asgrow	AG1636 §	RR2Y	1.6	R	ACi	80.7	14.3	0	131.7	\$704
Renk	RS153NR2	RR2Y	1.5	R	CMBV	80.6	14.9	0	131.7	\$702
Dahlman	5719NRR2Y GC	RR2Y	1.9	R	None	80.3	13.0	0	135.2	\$703
Hefty	H14R3	RR2Y	1.4	MR	DST	80.3	13.8	0	126.8	\$701
Dyna-Gro	S17RY67	RR2Y	1.7	R	CCB	79.9	14.1	0	131.0	\$697
Hefty	H16R6	RR2Y	1.6	MR	DST	79.3	13.4	0	129.6	\$693
Titan Pro	15M22	RR2Y	1.5	R	IS	78.9	13.7	0	128.9	\$689
Prairie Brand	PB-1822R2	RR2Y	1.8	R	CCB,In	78.2	13.7	0	134.5	\$683
Titan Pro	TP-17R54	RR2Y	1.7	R	None	77.7	13.3	0	135.2	\$679
Latham	E1748R2	RR2Y	1.7	R	CCB,Me	77.7	14.3	0	129.6	\$678
Latham	L1858R2	RR2Y	1.8	R	CCB,Me	77.6	13.1	0	127.5	\$679
NorthStar	NS 1661NR2	RR2Y	1.6	R	CMBV	77.6	13.2	0	135.9	\$679
Federal	F195NRR2Y	RR2Y	1.9	R	MAG	77.1	13.1	0	128.2	\$674
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	CMB	76.8	13.8	0	133.1	\$671
Renk	RS187NR2	RR2Y	1.8	R	CMB	76.6	14.6	0	131.7	\$668
NK Brand	S15-P1 §	RR2Y	1.5	MR	CCB,Me	76.4	14.5	0	131.0	\$666
Anderson	153R2Y	RR2Y	1.5	R	None	76.1	13.7	0	115.7	\$665
NorthStar	NS 1528NR2	RR2Y	1.5	R	None	75.7	13.3	0	131.0	\$662
Prairie Brand	PB-1466R2	RR2Y	1.4	R	CCB,In	75.7	14.8	0	131.0	\$660
Dairyland	DSR-1721/R2Y	RR2Y	1.7	R	CMB	75.5	13.1	0	130.3	\$660
Hefty	H18R5	RR2Y	1.8	MR	Mg	75.4	14.3	0	134.5	\$658
Renk	RS175NR2	RR2Y	1.7	R	CMBV	75.1	13.7	0	128.2	\$656
Stine	17RH03 §	RR2Y	1.7	S	SFI	74.8	13.6	0	131.0	\$654
Gold Country	1414 GC	RR2Y	1.4	R	ACi	74.8	14.3	0	133.8	\$653
Titan Pro	TP-18R24	RR2Y	1.8	R	IS	74.7	13.7	0	133.1	\$653
Latham	L1882R2	RR2Y	1.8	R	CCB,Me	74.5	14.2	0	128.9	\$650
Prairie Brand	PB-1787R2	RR2Y	1.7	R	CCB,In	74.3	14.2	0	132.4	\$648
Pfister	18R201	RR2Y	1.8	R	CCB	74.2	13.5	0	128.2	\$649
Channel	2108R2 CK	RR2Y	2.1	R	None	<b>81.1</b>	14.2	0	133.1	\$708

Mark Querna

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Averages =	<b>75.8</b>	<b>13.8</b>	<b>0</b>	<b>129.1</b>	<b>\$662</b>
LSD (0.10) =	5.3	ns	ns		
LSD (0.25) =	3.7	ns	ns		
C.V. =	4.1				Prev. years avg. yield, 52.6 bu/a, 5 yrs

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

**TEST COMMENTS:** *Spring rains recharged the soils here prior to planting, and plenty of rain fell throughout the growing season. Brian sprayed in August to control aphids and included a fungicide. The fungicide application, combined with the lack of killing frost till mid-October, allowed plants to maximize yields. No SDS was apparent in this plot. Brian states that average yields for his soybeans are possibly his best ever.*

† 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: 10/18/2016 Revised:

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TILLAGE/CULTIVATION: Conventional w/ fall till  
PEST MANAGEMENT: Authority First, Roundup, Flexstar, Fusilade, Lorsban  
SEEDED - RATE - ROW: May 17 140,200 /A 30" Spacing  
HARVESTED - STAND: Oct 16 130,600 /A

**Full-Season Test**  
**Maturity Group 1.9 - 2.2**  
S2016MNSC05b

**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
Stine	19RF32 §	RR2Y	1.9	R	SFI	77.7	13.2	0	129.6	\$680
Prairie Brand	PB-1947R2	RR2Y	1.9	R	CCB,In	75.8	14.2	0	129.6	\$661
Latham	L2228R2	RR2Y	2.2	R	CCB,Me	75.3	14.3	0	129.2	\$657
Pfister	19R24	RR2Y	1.9	R	CCB	74.6	13.7	0	132.9	\$652
Prairie Brand	PB-1956R2	RR2Y	1.9	R	CCB,In	74.1	13.9	0	129.6	\$647
NK Brand	S22-S1 §	RR2Y	2.2	R	CCB,Me	73.9	14.0	0	130.1	\$645
Anderson	206R2Y	RR2Y	2.0	R	None	73.5	13.5	0	129.2	\$642
Federal	F205NRR2Y	RR2Y	2.0	R	None	73.5	14.4	0	130.6	\$641
LG Seeds	C2020R2	RR2Y	2.0	R	CCB	73.0	13.6	0	129.6	\$638
Pfister	21R205	RR2Y	2.1	R	CCB	72.9	14.0	0	132.4	\$636
Dyna-Gro	S19RY65	RR2Y	1.9	R	CCB	72.7	13.0	0	133.4	\$636
LG Seeds	C2255R2	RR2Y	2.2	R	CCB	72.5	13.7	0	130.1	\$633
Viking	2055R2N	RR2Y	2.0	R	CMBV	72.2	14.1	0	130.6	\$630
Dairyland	DSR-2017/R2Y	RR2Y	2.0	R	CMB	72.0	14.2	0	129.2	\$628
Federal	F226NRR2Y	RR2Y	2.2	R	None	71.7	13.7	0	132.0	\$626
NK Brand	S21-M7 §	RR2Y	2.1	R	CCB,Me	71.7	14.0	0	130.6	\$626
NorthStar	NS 2111NR2	RR2Y	2.1	R	CMBV	71.7	14.4	0	130.1	\$625
Titan Pro	TP-21R55	RR2Y	2.1	R	IS	71.4	13.2	0	129.2	\$624
Asgrow	AG2035 §	RR2Y	2.0	R	ACi	71.1	13.5	0	131.0	\$621
Latham	L2084R2	RR2Y	2.0	R	CCB,Me	71.0	13.3	0	131.0	\$621
Hefty	H20R3	RR2Y	2.0	MR	DST	71.0	13.7	0	130.1	\$620
Prairie Brand	PB-2197R2	RR2Y	2.1	R	CCB,In	71.0	14.1	0	131.5	\$620
Titan Pro	TP-20R25	RR2Y	2.0	R	IS	70.3	15.0	0	130.6	\$612
Dyna-Gro	S21RY56	RR2Y	2.1	R	CMB	70.0	13.1	0	127.3	\$612
Titan Pro	22M12	RR2Y	2.2	R	None	70.0	13.4	0	131.5	\$612
Asgrow	AG1935 §	RR2Y	1.9	R	ACi	69.8	13.9	0	130.6	\$609
Titan Pro	20M1	RR2Y	2.0	R	None	69.5	14.3	0	134.7	\$606
Latham	L2128R2	RR2Y	2.1	R	CCB,Me	69.4	13.5	0	128.7	\$607
Dyna-Gro	S20RY45	RR2Y	2.0	R	CCB	69.3	13.5	0	131.5	\$606
Latham	E1990R2	RR2Y	1.9	S	SS+	69.2	13.4	0	131.0	\$605
Channel	2108R2 CK	RR2Y	2.1	R	None	69.2	14.3	0	133.4	\$604

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Averages =	70.7	13.8	0	130.6	\$617
LSD (0.10) =	5.2	ns	ns		
LSD (0.25) =	3.6	ns	ns		
C.V. =	5.5			Prev. years avg. yield, 52.6 bu/a, 5 yrs	

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

**TEST COMMENTS:** Spring rains recharged the soils here prior to planting, and plenty of rain fell throughout the growing season. Brian sprayed in August to control aphids and included a fungicide. The fungicide application, combined with the lack of killing frost till mid-October, allowed plants to maximize yields. No SDS was apparent in this plot. Brian states that average yields for his soybeans are possibly his best ever.

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**2016 Soybean - Minnesota South Central [ MNSC ]**

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

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Anderson	153R2Y	RR2Y	1.5	R	None						
Anderson	175R2Y	RR2Y	1.7	R	None						
Anderson	185R2Y	RR2Y	1.8	R	None						
Asgrow	AG1636 §	RR2Y	1.6	R	ACi						
Channel	1308R2 GC	RR2Y	1.3	R	ACi						
Channel	1405R2 GC	RR2Y	1.4	R	ACi						
Channel	1808R2 GC	RR2Y	1.8	R	None						
Channel	2108R2 CK	RR2Y	2.1	R	None						
Dahlman	5215NRR2Y GC	RR2Y	1.5	R	None						
Dahlman	5719NRR2Y GC	RR2Y	1.9	R	None						
Dairyland	DSR-1526/R2Y	RR2Y	1.5	R	CMB						
Dairyland	DSR-1721/R2Y	RR2Y	1.7	R	CMB						
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	CMB						
Dyna-Gro	S17RY06	RR2Y	1.7	MR	CCB						
Dyna-Gro	S17RY67	RR2Y	1.7	R	CCB						
Federal	F195NRR2Y	RR2Y	1.9	R	MAG						
Gold Country	1414 GC	RR2Y	1.4	R	ACi						
Hefty	H14R3	RR2Y	1.4	MR	DST						
Hefty	H16R6	RR2Y	1.6	MR	DST						
Hefty	H18R5	RR2Y	1.8	MR	Mg						
Latham	E1584R2	RR2Y	1.5	R	SS+						
Latham	E1748R2	RR2Y	1.7	R	CCB,Me						
Latham	L1858R2	RR2Y	1.8	R	CCB,Me						
Latham	L1882R2	RR2Y	1.8	R	CCB,Me						
LG Seeds	C1870R2	RR2Y	1.8	R	CCB						
NK Brand	S15-P1 §	RR2Y	1.5	MR	CCB,Me						
NorthStar	NS 1528NR2	RR2Y	1.5	R	None						
NorthStar	NS 1661NR2	RR2Y	1.6	R	CMBV						
NorthStar	NS 1776NR2	RR2Y	1.7	R	CMBV						
Pfister	18R201	RR2Y	1.8	R	CCB						
Pioneer	P15T46R2 §	RR2Y	1.5	R	None						
Pioneer	P18T26R2 §	RR2Y	1.8	R	None						
Prairie Brand	PB-1466R2	RR2Y	1.4	R	CCB,In						
Prairie Brand	PB-1787R2	RR2Y	1.7	R	CCB,In						
Prairie Brand	PB-1822R2	RR2Y	1.8	R	CCB,In						
Renk	RS153NR2	RR2Y	1.5	R	CMBV						
Renk	RS175NR2	RR2Y	1.7	R	CMBV						
Renk	RS187NR2	RR2Y	1.8	R	CMB						
Stine	17RH03 §	RR2Y	1.7	S	SFI						
Titan Pro	15M22	RR2Y	1.5	R	IS						
Titan Pro	TP-17R54	RR2Y	1.7	R	None						
Titan Pro	TP-18R24	RR2Y	1.8	R	IS						



## 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. VPMmax® brand seed is distributed by AgVenture, Inc. XL® brand seed is distributed by Beck's Superior Hybrids. Curry®, G2®, HPT®, RPM®, Supreme EX®, VPMmax® 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.