

2016 Soybean Top 30 Harvest Report

Minnesota South [MNSO] NEW RICHLAND
Leon Schoenrock, Waseca County, MN 56072



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Corn / SureStart, Roundup
SOIL DESCRIPTION: Webster clay loam, mod. well drained, non-irrigated
SOIL CONDITIONS: High P, high K, 6.8 pH, 5.5 % OM, low SCN
TILLAGE/CULTIVATION: Conventional w/ fall till
PEST MANAGEMENT: Flexstar, Roundup twice, Lorsban
SEEDED - RATE - ROW: May 19 140,200 /A 30" Spacing
HARVESTED - STAND: Oct 10 133,400 /A

Early-Season Test
Maturity Group 1.6 - 2.0
S2016MNSO03a

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
NorthStar	NS 1911NR2	RR2Y	1.9	R	CMBV	75.9	12.9	0	133.4	\$645
Mustang	19726	RR2Y	1.9	R	NCFI	75.6	12.9	0	133.4	\$643
LG Seeds	C1870R2	RR2Y	1.8	R	CCB	75.0	13.8	0	130.6	\$636
Latham	L1858R2	RR2Y	1.8	R	CCB,Me	74.1	12.9	0	132.9	\$630
Stine	19RF32 §	RR2Y	1.9	R	SFI	73.8	12.6	0	134.3	\$627
Asgrow	AG1636 §	RR2Y	1.6	R	ACi	73.4	12.8	0	138.0	\$624
Dyna-Gro	S19RY65	RR2Y	1.9	R	CCB	73.2	12.8	0	134.3	\$622
Renk	RS195NR2	RR2Y	1.9	R	CMBV	73.2	13.4	0	134.3	\$622
Cornelius	CB19R71	RR2Y	1.9	R	CMBV,IL	72.7	12.4	0	133.4	\$618
Prairie Brand	PB-1947R2	RR2Y	1.9	R	CCB,In	72.0	12.6	0	135.2	\$612
Mustang	18X827	RRX	1.8	R	ACi	71.6	12.4	0	129.6	\$609
Pfister	18R201	RR2Y	1.8	R	CCB	70.6	13.0	0	134.3	\$600
Mustang	17X726	RRX	1.7	R	ACi	70.3	12.8	0	126.8	\$598
Latham	L1882R2	RR2Y	1.8	R	CCB,Me	70.0	12.9	0	132.0	\$595
Prairie Brand	PB-1787R2	RR2Y	1.7	R	CCB,In	69.5	12.9	0	136.6	\$591
Titan Pro	TP-18R24	RR2Y	1.8	R	IS	68.9	13.0	0	135.7	\$586
Cornelius	CB18X97	RRX	1.8	R	ACi	68.7	12.6	0	132.0	\$584
Anderson	187RXT	RRX	1.8	R	None	68.7	12.9	0	135.2	\$584
Pfister	19R24	RR2Y	1.9	R	CCB	68.7	13.3	0	129.6	\$584
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	CMB	68.5	12.8	0	131.5	\$582
Dyna-Gro	S17RY67	RR2Y	1.7	R	CCB	68.4	13.0	0	134.3	\$581
NorthStar	NS 1661NR2	RR2Y	1.6	R	CMBV	68.4	13.4	0	130.6	\$581
Latham	E1748R2	RR2Y	1.7	R	CCB,Me	68.3	12.7	0	127.8	\$581
Anderson	185R2Y	RR2Y	1.8	R	None	68.0	12.4	0	133.4	\$578
Prairie Brand	PB-1822R2	RR2Y	1.8	R	CCB,In	67.9	12.8	0	128.2	\$577
Dairyland	DSR-1721/R2Y	RR2Y	1.7	R	CMB	67.9	12.9	0	131.5	\$577
NK Brand	S14-A6 §	RR2Y	1.4	MR	CCB,Me	67.7	13.0	0	138.0	\$575
Asgrow	AG1935 §	RR2Y	1.9	R	ACi	67.4	13.0	0	131.5	\$573
Prairie Brand	PB-1956R2	RR2Y	1.9	R	CCB,In	67.1	13.3	0	138.0	\$570
Hefty	H18X7	RRX	1.8	MR	DST	66.9	12.7	0	135.2	\$569
Dahlman	5721NRR2Y CK	RR2Y	2.1	R	None	67.1	14.2	0	135.2	\$569
Averages =						69.0	12.9	0	133.4	\$586
LSD (0.10) =						3.9	ns	ns		
LSD (0.25) =						2.7	ns	ns		
C.V. =						4.2				

Mark Querna

mark.querna@firstseedtests.com, (507) 380-9920

Prev. years avg. yield, 59.8 bu/a, 14 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.50 GMO; \$8.50 non-GMO

TEST COMMENTS: *The soybean yields here are a result of a warm growing season with plentiful rainfall. Temps were never hot, but also never cold. Soybean plants were uniform and tall at harvest. Late season aphid pressure was treated but Leon is uncertain if he got his money back in yield. No significant disease pressure. The warm and wet fall delayed maturity into October. No killing frost has occurred yet this fall.*

† 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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 SEEDED - RATE - ROW: May 19 140,200 /A 30" Spacing
 HARVESTED - STAND: Oct 10 133,400 /A

Full-Season Test
Maturity Group 2.1 - 2.3
 S2016MNSO03b

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
Dyna-Gro	S21XT77	RRX	2.1	R	ACi	75.2	12.4	0	132.4	\$639
Latham	L2184R2X	RRX	2.1	R	SS	75.2	12.7	0	136.6	\$639
Federal	F2170NR2X	RRX	2.1	R	None	74.2	12.8	0	133.4	\$631
NorthStar	NS 62002NXR2	RRX	2.0	R	CMBV	73.3	12.6	0	131.5	\$623
Cornelius	CB21X22	RRX	2.1	R	ACi	72.5	12.9	0	132.4	\$616
LG Seeds	C2126RX	RRX	2.1	R	CCB	71.9	12.4	0	133.8	\$611
Titan Pro	TP-21R55	RR2Y	2.1	R	IS	71.7	12.9	0	136.6	\$609
Renk	RS207NX	RRX	2.0	R	CMBV	71.6	12.6	0	130.1	\$609
Hefty	H21X6	RRX	2.1	MR	DST	71.2	12.6	0	133.4	\$605
Mustang	21X127	RRX	2.1	R	ACi	71.0	12.6	0	132.9	\$604
Titan Pro	TP-21X46	RRX	2.1	R	None	70.9	12.5	0	133.8	\$603
Hefty	H20X7	RRX	2.0	MR	DST	70.7	12.7	0	133.4	\$601
Anderson	217RXT	RRX	2.1	R	ACi	70.2	12.6	0	134.7	\$597
Prairie Brand	PB-2024R2	RR2Y	2.1	R	CCB,In	70.2	12.7	0	132.0	\$597
NorthStar	NS 2111NR2	RR2Y	2.1	R	CMBV	69.4	12.4	0	132.0	\$590
Latham	L2128R2	RR2Y	2.1	R	CCB,Me	69.4	12.6	0	132.9	\$590
NK Brand	S22-S1 §	RR2Y	2.2	R	CCB,Me	69.2	12.5	0	136.1	\$588
NorthStar	NS 62332NXR2	RRX	2.3	R	CMBV	69.1	12.7	0	132.9	\$587
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	CMB	69.1	12.9	0	132.0	\$587
Pioneer	P22T73R §	RR	2.2	R	EE,G	69.0	12.7	0	133.8	\$587
NorthStar	NS 2362NR2	RR2Y	2.3	R	CMBV	69.0	12.9	0	133.4	\$587
Dairyland	DSR-2017/R2Y	RR2Y	2.0	R	CMB	68.9	12.5	0	131.0	\$586
Viking	2055R2N	RR2Y	2.0	R	CMBV	68.8	13.0	0	135.2	\$585
Anderson	206R2Y	RR2Y	2.0	R	None	68.5	12.8	0	136.6	\$582
Federal	F226NRR2Y	RR2Y	2.2	R	None	68.5	12.8	0	132.0	\$582
Latham	L2084R2	RR2Y	2.0	R	CCB,Me	68.2	13.0	0	134.3	\$580
Latham	L2228R2	RR2Y	2.2	R	CCB,Me	68.2	13.0	0	137.1	\$580
Pfister	21R201	RR2Y	2.1	R	CCB	67.9	13.1	0	133.8	\$577
Hefty	H23X7	RRX	2.3	S	DST	67.8	12.3	0	132.0	\$576
Pioneer	P22T69R §	RR	2.2	R	None	67.8	12.4	0	133.8	\$576
Dahlman	5721NRR2Y CK	RR2Y	2.1	R	None	64.6	13.1	0	132.0	\$549

Mark Querna
 mark.querna@firstseedtests.com, (507) 380-9920

Averages =	68.7	12.7	0	133.4	\$584
LSD (0.10) =	3.9	0.4	ns		
LSD (0.25) =	2.7	0.3	ns		
C.V. =	4.2				Prev. years avg. yield, 59.8 bu/a, 14 yrs

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.50 GMO; \$8.50 non-GMO

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2016 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
Anderson	167RXT	RRX	1.6	R	None						
Anderson	185R2Y	RR2Y	1.8	R	None						
Anderson	187RXT	RRX	1.8	R	None						
Asgrow	AG1636 §	RR2Y	1.6	R	ACi						
Asgrow	AG1935 §	RR2Y	1.9	R	ACi						
Cornelius	CB18X97	RRX	1.8	R	ACi						
Cornelius	CB19R71	RR2Y	1.9	R	CMBV,IL						
Dahlman	5721NRR2Y CK	RR2Y	2.1	R	None						
Dairyland	DSR-1721/R2Y	RR2Y	1.7	R	CMB						
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	CMB						
Dyna-Gro	S17RY67	RR2Y	1.7	R	CCB						
Dyna-Gro	S19RY65	RR2Y	1.9	R	CCB						
Hefty	H16X7	RRX	1.6	MR	DST						
Hefty	H17X7	RRX	1.7	MR	AM						
Hefty	H18X7	RRX	1.8	MR	DST						
Latham	E1748R2	RR2Y	1.7	R	CCB,Me						
Latham	L1759R2X	RRX	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						
Mustang	17X726	RRX	1.7	R	ACi						
Mustang	18X827	RRX	1.8	R	ACi						
Mustang	19726	RR2Y	1.9	R	NCFI						
NK Brand	S14-A6 §	RR2Y	1.4	MR	CCB,Me						
NorthStar	NS 1661NR2	RR2Y	1.6	R	CMBV						
NorthStar	NS 1776NR2	RR2Y	1.7	R	CMBV						
NorthStar	NS 1911NR2	RR2Y	1.9	R	CMBV						
NorthStar	NS 61882NXR2	RRX	1.8	R	CMBV						
Pfister	18R201	RR2Y	1.8	R	CCB						
Pfister	19R24	RR2Y	1.9	R	CCB						
Prairie Brand	PB-1787R2	RR2Y	1.7	R	CCB,In						
Prairie Brand	PB-1822R2	RR2Y	1.8	R	CCB,In						
Prairie Brand	PB-1947R2	RR2Y	1.9	R	CCB,In						
Prairie Brand	PB-1956R2	RR2Y	1.9	R	CCB,In						
Renk	RS177NX	RRX	1.8	R	CMBV						
Renk	RS195NR2	RR2Y	1.9	R	CMBV						
Stine	17RH03 §	RR2Y	1.7	S	SFI						
Stine	19RF32 §	RR2Y	1.9	R	SFI						
Titan Pro	TP-16X36	RRX	1.6	R	None						
Titan Pro	TP-17X26	RRX	1.7	R	None						
Titan Pro	TP-18R24	RR2Y	1.8	R	IS						
Titan Pro	TP-19X06	RRX	1.9	R	IS						

2016 Soybean - Minnesota South [MNSO]

Full-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Anderson	206R2Y	RR2Y	2.0	R	None						
Anderson	217RXT	RRX	2.1	R	ACi						
Asgrow	AG2035 §	RR2Y	2.0	R	ACi						
Cornelius	CB20R44	RR2Y	2.0	R	CMBV,IL						
Cornelius	CB21X22	RRX	2.1	R	ACi						
Cornelius	CB22R34	RR2Y	2.2	R	CMBV,IL						
Dahlman	5721NRR2Y CK	RR2Y	2.1	R	None						
Dairyland	DSR-2017/R2Y	RR2Y	2.0	R	CMB						
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	CMB						
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	CMB						
Dyna-Gro	S20RY45	RR2Y	2.0	R	CCB						
Dyna-Gro	S21XT77	RRX	2.1	R	ACi						
Federal	F2170NR2X	RRX	2.1	R	None						
Federal	F226NRR2Y	RR2Y	2.2	R	None						
Hefty	H20X7	RRX	2.0	MR	DST						
Hefty	H21X6	RRX	2.1	MR	DST						
Hefty	H23X7	RRX	2.3	S	DST						
Latham	L2084R2	RR2Y	2.0	R	CCB,Me						
Latham	L2128R2	RR2Y	2.1	R	CCB,Me						
Latham	L2184R2X	RRX	2.1	R	SS						
Latham	L2228R2	RR2Y	2.2	R	CCB,Me						
LG Seeds	C2126RX	RRX	2.1	R	CCB						
LG Seeds	C2255R2	RR2Y	2.2	R	CCB						
Mustang	21X127	RRX	2.1	R	ACi						
NK Brand	S20-T6 §	RR2Y	2.0	MR	CCB,Me						
NK Brand	S22-S1 §	RR2Y	2.2	R	CCB,Me						
NorthStar	NS 2111NR2	RR2Y	2.1	R	CMBV						
NorthStar	NS 2362NR2	RR2Y	2.3	R	CMBV						
NorthStar	NS 62002NXR2	RRX	2.0	R	CMBV						
NorthStar	NS 62332NXR2	RRX	2.3	R	CMBV						
Pfister	21R201	RR2Y	2.1	R	CCB						
Pfister	21R205	RR2Y	2.1	R	CCB						
Pioneer	P22T69R §	RR	2.2	R	None						
Pioneer	P22T73R §	RR	2.2	R	EE,G						
Prairie Brand	PB-2024R2	RR2Y	2.1	R	CCB,In						
Prairie Brand	PB-2197R2	RR2Y	2.1	R	CCB,In						
Prairie Brand	PB-2296R2	RR2Y	2.2	R	CCB,In						
Prairie Brand	PB-2486R2	RR2Y	2.4	R	CCB,In						
Renk	RS207NX	RRX	2.0	R	CMBV						
Renk	RS213NR2	RR2Y	2.1	R	CMBV						
Stine	20RD20 §	RR2Y	2.0	R	SFI						
Titan Pro	TP-20R25	RR2Y	2.0	R	IS						
Titan Pro	TP-21R55	RR2Y	2.1	R	IS						
Titan Pro	TP-21X46	RRX	2.1	R	None						
Viking	2055R2N	RR2Y	2.0	R	CMBV						

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.