

2013 Soybean Top 30 Harvest Report

Minnesota South [MNSO] JEFFERS
Rick Quade, Cottonwood County, MN 56083



PREV. CROP/HERB: Corn / Surpass, Roundup
SOIL DESCRIPTION: Wilmonton clay loam, mod. well drained, non-irrigated
SOIL CONDITIONS: Mod. High P, high K, 5.8 pH, 3% OM, low SCN
TILLAGE/CULTIVATION: Conventional w/ fall till
PEST MANAGEMENT: Roundup w/ Resource fb Roundup
SEEDED - RATE - ROW: Jun 7 154,220 /A 30" Spacing
HARVESTED - STAND: Oct 11 135,900 /A

Early-Season Test

1.6 - 1.9 Day CRM
S2013MNSO11a

Top 30 of 36

Sorted for YIELD
Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Seed Trmt.†	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income
Wensman	W 3160NR2	RR2Y	1.6	R	AC,PV	53.8	8.9	0	139.9	\$686
Gold Country	2040	RR2Y	2.0	R	ACi	53.1	9.6	0	136.5	\$677
Prairie Brand	PB-1722R2	RR2Y	1.7	R	CMBV	51.8	8.5	0	134.5	\$660
Wensman	W 3200NR2	RR2Y	2.0	R	AC,PV	51.3	9.6	0	132.1	\$654
Stine	16RA02 §	RR2Y	1.6	R	CMB	50.7	8.7	0	139.9	\$646
SOI	1741NRR2Y	RR2Y	1.7	R	CMB	50.6	8.7	0	132.6	\$645
Prairie Brand	PB-1566R2	RR2Y	1.6	R	CMBV	50.5	8.7	0	137.0	\$644
Prairie Brand	PB-1843R2	RR2Y	1.8	R	CMBV	50.2	9.2	0	128.7	\$640
Gold Country	1943	RR2Y	1.9	R	ACi	49.9	8.8	0	136.5	\$636
Channel	1805R2	RR2Y	1.8	MR	ACi	49.8	9.1	0	140.8	\$635
Asgrow	AG1733 §	RR2Y	1.7	R	ACi	48.5	8.8	0	136.5	\$618
Latham	L1948R2	RR2Y	1.9	R	SS+	48.5	9.1	0	137.0	\$618
Channel	1503R2	RR2Y	1.5	R	ACi	48.5	9.3	0	137.0	\$618
NK Brand	S17-B3 §	RR2Y	1.7	R	CMBV	48.1	8.9	0	136.0	\$613
NuTech/G2 Gen	7171^	RR	1.7	R	SCE	47.9	8.5	0	134.1	\$611
Viking	1707R2N	RR2Y	1.7	R	ACi,Ex	47.7	8.8	0	137.9	\$608
LG Seeds	C1917R2	RR2Y	1.9	R	AC,PV	47.7	9.7	0	137.4	\$608
Latham	L1985R2	RR2Y	1.9	R	SS+	47.4	8.8	0	132.6	\$604
Pfister	17R27	RR2Y	1.7	R	CMB	47.3	8.7	0	138.9	\$603
Prairie Brand	PB-1982R2	RR2Y	1.8	R	CMBV	46.8	8.9	0	138.4	\$597
Titan Pro	TP-18R73	RR2Y	1.8	R	CMBV	46.7	8.9	0	136.5	\$595
Gold Country	1644	RR2Y	1.6	R	ACi	46.6	9.0	0	136.5	\$594
Dairyland	DSR-1808/R2Y	RR2Y	1.8	R	CMB,O	46.5	9.0	0	134.5	\$593
Pioneer	91Y92 §	RR	1.9	R	EE,G	46.4	8.2	0	136.0	\$592
Renk	RS183NR2	RR2Y	1.8	R	CMB,O	46.4	9.5	0	134.1	\$592
Advantage	ADV1811CR2	RR2Y	1.8	R	None	46.0	8.7	0	127.8	\$587
Viking	1984R2N	RR2Y	1.9	R	ACi,Ex	45.8	9.9	0	133.1	\$584
Mustang	16624	RR2Y	1.6	R	AC	45.1	8.6	0	137.9	\$575
Hefty	H18Y12	RR2Y	1.8	MR	I	44.7	8.9	0	135.5	\$570
Pioneer	91Y81 §	RR	1.8	R	EE,G	44.0	9.1	0	138.4	\$561
Viking	2000R2N CK	RR2Y	2.0	R	ACi,Ex	51.9	9.0	0	138.4	\$662

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Test Average = **47.6** **8.9** **0** **135.9** **\$607**
LSD (0.10) = 4.6 0.4 ns
C.V. = 7.1 3.0

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Price = \$12.75 Local GMO
n/a Non-GMO

TEST COMMENTS: Excessive rainfall from April through June delayed planting and crop development. Mild hail fell on July 21st, but did not affect the test greatly. Rick also stated that a hail storm on Labor Day weekend did lower yields around the plot. Rick sprayed Lorsban to control aphids on August 15th. Plants were short at harvest, and yields were about 10 bpa lower here than in Rick's best fields.

† See last page for additional information. Results in **bold** are significantly above the test average. **CK** = check and **GC** = grower comparison products, **§** = United Soybean Board entry; **ns** = not significantly different.

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 PEST MANAGEMENT: Roundup w/ Resource fb Roundup
 SEEDED - RATE - ROW: Jun 7 154,220 /A 30" Spacing
 HARVESTED - STAND: Oct 11 137,700 /A

Full-Season Test
2 - 2.3 Day GRM
 S2013MNSO11b

Top 30 of 54

Sorted for YIELD

Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Seed Trmt.†	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income
Dyna-Gro	S20RY94	RR2Y	2.0	R	ACi	54.0	9.5	0	138.9	\$689
Stine	20RD20 §	RR2Y	2.0	R	CMB	52.2	11.5	0	136.5	\$666
Prairie Brand	PB-2024R2	RR2Y	2.0	R	CMBV	51.4	11.4	0	137.0	\$655
Channel	2306R2	RR2Y	2.3	R	ACi	50.7	11.1	0	138.9	\$646
Renk	RS213NR2	RR2Y	2.1	R	CMB,O	50.7	11.8	0	138.9	\$646
Titan Pro	20M1	RR2Y	2.0	R	CMBV	50.3	8.9	0	137.0	\$641
LG Seeds	C2050R2	RR2Y	2.0	R	AC,PV	50.1	9.1	0	132.6	\$639
Pfister	20R23	RR2Y	2.0	R	None	49.4	11.1	0	138.4	\$630
NorthStar	NS 1916NR2	RR2Y	1.9	R	ACi	49.3	8.8	0	137.5	\$629
Wensman	W 3222NR2	RR2Y	2.2	R	AC,PV	49.2	9.9	0	138.9	\$627
Jung	1212RR2	RR2Y	2.1	R	None	49.0	9.3	0	134.1	\$625
LG Seeds	C2222R2	RR2Y	2.2	R	AC,PV	48.7	10.3	0	138.4	\$621
Jung	1201RR2	RR2Y	2.0	R	None	48.6	9.5	0	140.8	\$620
Dyna-Gro	S22RY64	RR2Y	2.2	MR	ACi	48.4	10.0	0	137.9	\$617
Dairyland	DSR-2250/R2Y	RR2Y	2.2	MR	CMB,O	48.3	9.9	0	137.9	\$616
Titan Pro	22M12	RR2Y	2.2	R	CMBV	48.3	10.2	0	141.3	\$616
Stine	22RD00 §	RR2Y	2.2	MR	CMB	48.2	10.3	0	139.9	\$615
Renk	RS224NR2	RR2Y	2.2	R	None	47.8	9.9	0	137.0	\$609
Gold Country	2243	RR2Y	2.2	R	ACi	47.6	9.9	0	138.9	\$607
Asgrow	AG2031 §	RR2Y	2.0	R	ACi	47.5	7.5	0	138.4	\$606
Latham	L2253R2	RR2Y	2.2	R	SS+	47.4	9.9	0	138.9	\$604
Advantage	ADV2085CR2	RR2Y	1.7	R	None	47.3	9.1	0	137.5	\$603
NorthStar	NS 2199NR2	RR2Y	2.1	R	ACi	46.9	9.8	0	138.9	\$598
SOI	2013NRR2Y	RR2Y	2.0	R	CMB	46.8	8.8	0	137.0	\$597
Dairyland	DSR-2105/R2Y	RR2Y	2.1	R	CMB,O	46.6	10.2	0	137.0	\$594
Asgrow	AG2232 §	RR2Y	2.2	R	ACi	46.6	13.8	0	136.5	\$593
Hefty	H21Y11	RR2Y	2.1	MR	I	46.5	9.9	0	136.0	\$593
Latham	L2084R2	RR2Y	2.0	R	SS+	46.4	9.8	0	137.9	\$592
Latham	L2185R2	RR2Y	2.1	R	SS+	46.2	15.3	0	138.9	\$587
Titan Pro	TP-21R63	RR2Y	2.1	MR	CMBV	46.1	9.6	0	139.9	\$588
Viking	2000R2N CK	RR2Y	2.0	R	ACi,Ex	50.9	9.0	0	136.5	\$649

Mark Querna

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Test Average = **46.6** **10.3** **0** **137.7** **\$594**
 LSD (0.10) = 4.1 1.5 ns
 C.V. = 6.5 10.5

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Price = \$12.75 Local GMO
 n/a Non-GMO

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Additional reports and searchable database available at www.firstseedtests.com

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Report date: 10/18/2013 Revised:

Early-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Advantage	ADV1811CR2	RR2Y	1.8	R	None						
Asgrow	AG1733 §	RR2Y	1.7	R	ACi						
Channel	1503R2	RR2Y	1.5	R	ACi						
Channel	1805R2	RR2Y	1.8	MR	ACi						
Dairyland	DSR-1808/R2Y	RR2Y	1.8	R	CMB,O						
Dyna-Gro	S19RY84	RR2Y	1.9	MR	ACi						
Gold Country	1644	RR2Y	1.6	R	ACi						
Gold Country	1943	RR2Y	1.9	R	ACi						
Gold Country	2040	RR2Y	2.0	R	ACi						
Hefty	H16R4	RR2Y	1.6	MR	I						
Hefty	H18Y12	RR2Y	1.8	MR	I						
Latham	L1948R2	RR2Y	1.9	R	SS+						
Latham	L1985R2	RR2Y	1.9	R	SS+						
LG Seeds	C1917R2	RR2Y	1.9	R	AC,PV						
Mustang	16624	RR2Y	1.6	R	AC						
NK Brand	S17-B3 §	RR2Y	1.7	R	CMBV						
NuTech/G2 Gen	7171^	RR	1.7	R	SCE						
NuTech/G2 Gen	7183^	RR	1.8	R	SCE						
Pfister	17R27	RR2Y	1.7	R	CMB						
Pioneer	91Y81 §	RR	1.8	R	EE,G						
Pioneer	91Y92 §	RR	1.9	R	EE,G						
Prairie Brand	PB-1566R2	RR2Y	1.6	R	CMBV						
Prairie Brand	PB-1722R2	RR2Y	1.7	R	CMBV						
Prairie Brand	PB-1843R2	RR2Y	1.8	R	CMBV						
Prairie Brand	PB-1982R2	RR2Y	1.8	R	CMBV						
Renk	RS183NR2	RR2Y	1.8	R	CMB,O						
Renk	RS184NR2	RR2Y	1.8	R	None						
SOI	1741NRR2Y	RR2Y	1.7	R	CMB						
Stine	16RA02 §	RR2Y	1.6	R	CMB						
Titan Pro	TP-18R73	RR2Y	1.8	R	CMBV						
Titan Pro	TP-19R23	RR2Y	1.9	MR	CMBV						
Viking	1707R2N	RR2Y	1.7	R	ACi,Ex						
Viking	1984R2N	RR2Y	1.9	R	ACi,Ex						
Viking	2000R2N CK	RR2Y	2.0	R	ACi,Ex						
Wensman	W 3160NR2	RR2Y	1.6	R	AC,PV						
Wensman	W 3200NR2	RR2Y	2.0	R	AC,PV						

Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Advantage	ADV2085CR2	RR2Y	1.7	R	None	Titan Pro	20M1	RR2Y	2.0	R	CMBV
Asgrow	AG2031 §	RR2Y	2.0	R	ACi	Titan Pro	22M12	RR2Y	2.2	R	CMBV
Asgrow	AG2232 §	RR2Y	2.2	R	ACi	Titan Pro	23M9	RR2Y	2.3	S	CMBV
Channel	2105R2	RR2Y	2.1	MR	ACi	Titan Pro	TP-21R63	RR2Y	2.1	MR	CMBV
Channel	2306R2	RR2Y	2.3	R	ACi	Viking	2000R2N CK	RR2Y	2.0	R	ACi,Ex
Dairyland	DSR-2105/R2Y	RR2Y	2.1	R	CMB,O	Viking	2144R2N	RR2Y	2.1	R	None
Dairyland	DSR-2250/R2Y	RR2Y	2.2	MR	CMB,O	Wensman	W 3214NR2	RR2Y	2.1	R	AC,PV
Dairyland	DSR-2340/R2Y	RR2Y	2.3	MR	CMB,O	Wensman	W 3222NR2	RR2Y	2.2	R	AC,PV
Dyna-Gro	S20RY94	RR2Y	2.0	R	ACi	Wensman	W 3256NR2	RR2Y	2.5	MR	AC,PV
Dyna-Gro	S22RY64	RR2Y	2.2	MR	ACi						
Gold Country	2143	RR2Y	2.1	MR	ACi						
Gold Country	2243	RR2Y	2.2	R	ACi						
Hefty	H20R3	RR2Y	2.0	MR	I						
Hefty	H21Y11	RR2Y	2.1	MR	I						
Hefty	H23R3	RR2Y	2.3	MR	I						
Jung	1201RR2	RR2Y	2.0	R	None						
Jung	1212RR2	RR2Y	2.1	R	None						
Jung	1225RR2	RR2Y	2.2	R	None						
Kruger	K2-2301	RR2Y	2.3	S	ACi						
Kruger	K2-2303	RR2Y	2.3	MR	ACi						
Latham	L2084R2	RR2Y	2.0	R	SS+						
Latham	L2185R2	RR2Y	2.1	R	SS+						
Latham	L21B53R2	RR2Y	2.1	R	SS+						
Latham	L2253R2	RR2Y	2.2	R	SS+						
LG Seeds	C2050R2	RR2Y	2.0	R	AC,PV						
LG Seeds	C2222R2	RR2Y	2.2	R	AC,PV						
Mustang	21993	RR2Y	2.1	R	AC						
NK Brand	S20-T6 §	RR2Y	2.0	R	CMBV						
NK Brand	S22-F8 §	RR2Y	2.2	S	CMBV						
NorthStar	NS 1916NR2	RR2Y	1.9	R	ACi						
NorthStar	NS 2199NR2	RR2Y	2.1	R	ACi						
NuTech/G2 Gen	7208^	RR	2.0	R	SCE						
NuTech/G2 Gen	7213^	RR	2.1	R	SCE						
Pfister	20R23	RR2Y	2.0	R	None						
Pfister	22R20	RR2Y	2.2	R	None						
Pioneer	92Y22 §	RR	2.2	R	EE,G						
Prairie Brand	PB-2024R2	RR2Y	2.0	R	CMBV						
Prairie Brand	PB-2136R2	RR2Y	2.1	R	CMBV						
Prairie Brand	PB-2230R2	RR2Y	2.1	R	CMBV						
Prairie Brand	PB-2351R2	RR2Y	2.3	R	CMBV						
Renk	RS213NR2	RR2Y	2.1	R	CMB,O						
Renk	RS224NR2	RR2Y	2.2	R	None						
SOI	2013NRR2Y	RR2Y	2.0	R	CMB						
Stine	20RD20 §	RR2Y	2.0	R	CMB						
Stine	22RD00 §	RR2Y	2.2	MR	CMB						

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	G2® brand seed is distributed by NuTech Seed, LLC. HPT® brand seed is distributed by Hoegemeyer Hybrids, Inc. RPM® brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX® brand seed is distributed by Seed Consultants, Inc. VPMmaxx® brand seed is distributed by AgVenture, Inc. XL® and Phoenix® brand seed is distributed by Beck's Superior Hybrids. Curry®, G2®, HPT®, RPM®, Supreme EX®, VPMmaxx® 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 F.I.R.S.T. when space permits.
§	United Soybean Board sponsored entry

Soybean Technologies

None	Conventional, non-GMO
LL	LibertyLink®
RR	Roundup Ready® Soybeans
RR2Y	Genuity® Roundup Ready 2 Yield®
STS	STS® - sulfonylurea tolerant soybeans

Soybean Cyst Nematode (SCN) Resistance Rating

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

Soybean Seed Treatments*

?	Information not provided	Ex	Excalibre™
A	Allegiance®	G	Gaicho®
AC	Acceleron® fungicide products	I	Inovate™ System
ACi	Acceleron® fungicide and insecticide products	None	untreated
AM	ApronMaxx®	O	Optimize®
AP	Apron XL®	PV	Poncho®/Votivo®
AVB	Avicta® Complete Beans	RS	Right Stand™
C	Cruiser®	SCE	SmartCote™ Extra
CC	CurryCoat™	SDPI	Servo DPI
CMB	CruiserMaxx® Beans	SS+	Soyshield Plus™
CMBV	CruiserMaxx® Beans with Vibrance	SStd	SureStand™
DPHB	DPH Boost™	T	Trilex®
EE	Evergol™ Energy		

* Seed treatments may include unspecified plant health promoting components.