

2012 BETTER VARIETIES Harvest Report for Minnesota South [MNSO]

Tom & Jeff Warmka, Faribault County, MN 56025 [EASTON]

EARLY SEASON TEST
1.6 - 2.0 MAT. GROUP

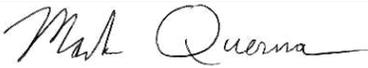
PREV. CROP/HERB: Corn / Glyphosate (2 passes)
 SOIL DESCRIPTION: Nicollet-Webster clay loam, well drained, non-irrigated
 SOIL CONDITIONS: High P, high K, 7.1 pH, 3.9% OM, medium SCN
 TILLAGE/CULTIVATION: conventional w/ fall till
 PEST MANAGEMENT: Roundup WeatherMax (twice)
 SEEDED - RATE: May 11 140,000 /A
 HARVESTED - STAND: Sep 30 123,884 /A

S2MNSO10a

30" ROW SPACING

 TOP 30 for **YIELD** of **48** TESTED
 AVERAGE of **(3)** REPLICATIONS

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Seed Trmt.†	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income	
Latham	L2086R2	RR2Y	2.0	R	SS+	58.5	7.2	0	122.9	\$878	
SOI	2013NRR2Y	RR2Y	2.0	R	None	57.8	7.3	0	125.4	\$867	
Renk	RS183NR2	RR2Y	1.8	R	None	57.1	7.3	0	123.4	\$857	
NK Brand	S18-C2 §	RR2Y	1.8	R	CMB	56.9	7.3	0	121.0	\$854	
Latham	L1985R2	RR2Y	1.9	R	CMB	55.4	7.0	0	124.4	\$831	
Renk	RS172NR2	RR2Y	1.7	R	None	55.0	7.2	0	123.9	\$825	
Mustang	M-20823	RR2Y	2.0	R	Ac	54.3	7.2	0	118.6	\$814	
Titan Pro	20M1	RR2Y	2.0	R	Am	53.9	7.1	0	122.9	\$809	
Pfister	17R27	RR2Y	1.7	R	CMB	53.9	7.1	0	121.0	\$808	
Hefty	H20R3	RR2Y	2.0	MR	I	53.0	7.3	0	123.9	\$795	
Jung	1201RR2	RR2Y	2.0	R	Ac,O	52.7	7.3	0	125.8	\$791	
Prairie Brand	PB-1743R2	RR2Y	1.7	R	CMB	52.7	7.2	0	127.3	\$791	
Kruger	K2-1602	RR2Y	1.6	R	Ac,PV	52.1	7.2	0	127.3	\$782	
NK Brand	S17-G8 §	RR2Y	1.7	R	CMB	51.9	7.1	0	122.9	\$779	
Kruger	K2-1901	RR2Y	1.9	R	Ac,PV	51.7	7.1	0	122.0	\$776	
Trelay	19RR59	RR2Y	1.9	R	Ac,Ex	51.4	7.3	0	123.9	\$771	
Dairyland	DSR-1808R2Y	RR2Y	1.8	R	CMB	51.0	7.0	0	121.5	\$765	
Renk	RS202NR2	RR2Y	2.0	R	Am	50.9	7.3	0	126.3	\$763	
Trelay	20RR43	RR2Y	2.0	R	Ac,Ex	50.8	7.2	0	125.4	\$763	
Hefty	H16Y11	RR2Y	1.6	MR	I	50.7	7.3	0	123.9	\$761	
Viking	1984R2N	RR2Y	1.9	R	None	50.7	7.2	0	127.3	\$761	
Kruger	K2-1702	RR2Y	1.7	R	Ac,PV	50.5	7.3	0	124.4	\$758	
Anderson	162R2Y	RR2Y	1.6	R	None	50.3	7.3	0	122.0	\$755	
Prairie Brand	PB-2042R2	RR2Y	2.0	R	CMB	50.3	7.3	0	125.4	\$755	
Mustang	M-19723	RR2Y	1.9	R	Ac	50.0	7.3	0	123.4	\$751	
Jung	1170RR2	RR2Y	1.7	R	Ac,O	50.0	7.1	0	123.9	\$750	
Prairie Brand	PB-1823R2	RR2Y	1.8	R	None	49.7	7.2	0	124.4	\$745	
Wensman	W 3190NR2	RR2Y	1.9	R	Ac	49.5	7.0	0	124.4	\$743	
Mustang	M-20622	RR2Y	2.0	R	Ac	49.4	7.1	0	122.5	\$741	
Latham	L1886R2	RR2Y	1.8	R	SS+	49.1	7.2	0	123.4	\$736	
Viking	2000R2N CK	RR2Y	2.0	R	Ac	56.5	7.1	0	122.5	\$847	
						Test Average =	50.3	7.2	0	123.9	\$755
						LSD (0.10) =	6.1	0.2	ns		
						C.V. =	8.9	1.9			


 F.I.R.S.T. Manager

TEST COMMENTS: *Planting conditions were quite good here, allowing for even emergence when stand counts were taken in June.*
Rainfall dropped off to about an inch in July and another inch in August, causing these soybeans to just miss a chance for record yields. Even so, the lack of pest pressure allowed plants to use every bit of subsoil moisture to fill pods.

Lat: 43.74583, Long: -93.864703

Yield & Income Factors: Base Moisture = 13% Shrink = 1.3 Drying = \$0.020 Price = \$15.00

† See last page for Product/Brand, Technology and Seed Treatment information.

 → Identifies the check brand included in early- and full-season tests. Results in **bold** are significantly above test average.

GC = grower comparison product, **§** = United Soybean Board entry; **ns** = not significantly different

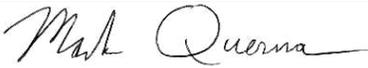
2012 BETTER VARIETIES Harvest Report for Minnesota South [MNSO]

Tom & Jeff Warmka, Faribault County, MN 56025 [EASTON]

FULL SEASON TEST
2.1 - 2.3 MAT. GROUP

PREV. CROP/HERB: Corn / Glyphosate (2 passes) S2MNSO10b
 SOIL DESCRIPTION: Nicollet-Webster clay loam, well drained, non-irrigated
 SOIL CONDITIONS: High P, high K, 7.1 pH, 3.9% OM, medium SCN 30" ROW SPACING
 TILLAGE/CULTIVATION: conventional w/ fall till
 PEST MANAGEMENT: Roundup WeatherMax (twice)
 SEEDED - RATE: May 11 140,000 /A TOP 30 for YIELD of 54 TESTED
 HARVESTED - STAND: Sep 30 124,280 /A AVERAGE of (3) REPLICATIONS

Company/Brand	Product/Brand†	Tech.†	Mat.	SCN Resist.	Seed Trmt.†	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income	
Hefty	H21R3	RR2Y	2.1	S	I	60.0	7.5	0	125.4	\$900	
Trelay	21RR37	RR2Y	2.1	MR	Ac,Ex	59.4	7.5	0	124.4	\$891	
Latham	L2253R2	RR2Y	2.2	S	CMB	57.4	7.2	0	124.4	\$861	
NorthStar	NS 2118NR2	RR2Y	2.1	R	Ac	57.3	7.1	0	123.4	\$859	
Prairie Brand	PB-2230R2	RR2Y	2.2	S	CMB	56.3	7.3	0	125.4	\$844	
Stine	24RB00 §	RR2Y	2.4	MR	CMB	55.8	7.1	0	124.4	\$837	
Dairyland	DSR-2105R2Y	RR2Y	2.1	S	CMB	55.5	7.5	0	124.4	\$833	
Trelay	23RR53	RR2Y	2.3	MR	Ac,Ex	55.5	7.8	0	122.9	\$833	
Prairie Brand	PB-2419RR2	RR2Y	2.3	S	CMB	55.3	7.2	0	126.3	\$830	
Dyna-Gro	S23RY63	RR2Y	2.3	R	Ac	55.2	7.8	0	127.8	\$827	
Kruger	K2-2301	RR2Y	2.3	S	Ac,PV	54.5	7.2	0	123.9	\$817	
Latham	L2183R2	RR2Y	2.1	R	CMB	54.3	7.5	0	119.5	\$815	
NK Brand	S23-P8 §	RR2Y	2.3	R	CMB	54.0	7.5	0	122.0	\$810	
Renk	RS213NR2	RR2Y	2.1	R	None	53.8	7.3	0	128.7	\$808	
Viking	2300R2	RR2Y	2.3	S	Ac	53.6	7.1	0	122.9	\$804	
Prairie Brand	PB-2366R2	RR2Y	2.2	R	CMB	52.9	7.1	0	122.9	\$794	
LG Seeds	C2175R2	RR2Y	2.1	R	Ac	52.6	7.3	0	126.8	\$789	
Prairie Brand	PB-2242R2	RR2Y	2.2	R	CMB	52.1	7.4	0	125.4	\$782	
Hefty	H23Y12	RR2Y	2.3	MR	I	52.0	7.4	0	127.3	\$780	
Asgrow	AG2232 §	RR2Y	2.2	R	Ac,PV	51.8	7.5	0	122.9	\$777	
Mustang	M-22823	RR2Y	2.2	R	Ac	51.8	7.5	0	124.9	\$776	
NorthStar	NS 2138NR2	RR2Y	2.1	R	Ac	51.7	7.2	0	124.4	\$776	
Titan Pro	22M12	RR2Y	2.2	R	CMB	51.5	7.5	0	123.9	\$773	
LG Seeds	C2050R2	RR2Y	2.1	R	Ac	51.5	7.1	0	124.9	\$772	
Titan Pro	23M9	RR2Y	2.3	S	CMB	51.4	7.4	0	125.8	\$771	
Pioneer	92Y22 §	RR	2.2	R	None	50.9	7.2	0	118.6	\$764	
Prairie Brand	PB-2143R2	RR2Y	2.0	R	CMB	50.9	7.2	0	122.9	\$764	
Latham	L2385R2	RR2Y	2.3	R	CMB	50.9	7.1	0	121.5	\$763	
Stine	22RC62 §	RR2Y	2.2	R	CMB	50.3	7.4	0	128.3	\$755	
Channel	2305R2	RR2Y	2.3	R	Ac,PV	50.2	7.3	0	126.3	\$753	
Viking	2000R2N CK	RR2Y	2.0	R	Ac	54.3	7.3	0	124.9	\$815	
						Test Average =	51.1	7.3	0	124.3	\$767
						LSD (0.10) =	5.9	0.2	ns		
						C.V. =	8.6	2.0			


 F.I.R.S.T. Manager

TEST COMMENTS: *Planting conditions were quite good here, allowing for even emergence when stand counts were taken in June. Rainfall dropped off to about an inch in July and another inch in August, causing these soybeans to just miss a chance for record yields. Even so, the lack of pest pressure allowed plants to use every bit of subsoil moisture to fill pods.*
Lat: 43.74583, Long: -93.864703

Yield & Income Factors:	Base Moisture = 13%	Shrink = 1.3	Drying = \$0.020	Price = \$15.00
† See last page for Product/Brand, Technology and Seed Treatment information.				
→ Identifies the check brand included in early- and full-season tests. Results in bold are significantly above test average.				
GC = grower comparison product, § = United Soybean Board entry; ns = not significantly different				



Footnotes, Abbreviations, and Trademarks

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.

Technologies

3111	Agrisure® Viptera™ 3111
3122	Agrisure® 3122
4011	Agrisure® 4011
3000GT	Agrisure® 3000GT
AM1	Optimum® AcreMax® 1
AMX	Optimum® AcreMax® Xtra
CB/LL	Agrisure® CB/LL
CB/LL/RW	Agrisure® CB/LL/RW
Conv	Conventional, non-GMO
GT	Agrisure® GT
GT/CB/LL	Agrisure® GT/CB/LL
HX	HERCULEX® I Insect Protection
HXT	HERCULEX® XTRA Insect Protection
LL	LibertyLink®
OI	Optimum® Intrasect™
RR	Roundup Ready® Soybeans
RR2	Roundup Ready® Corn 2
RR2Y	Genuity® Roundup Ready 2 Yield®
STS	STS® - sulfonyleurea tolerant soybeans
STX	SmartStax®
STX-R	SmartStax® Refuge Corn Blend
VT2P	Genuity® VT Double PRO®
VT2P-R	Genuity® VT Double PRO® RIB Corn Blend
VT3	YieldGard VT Triple®
VT3P	Genuity® VT Triple PRO®
VT3P-R	Genuity® VT Triple PRO® RIB Corn Blend

Seed Treatments

A	Allegiance®
Ac	Acceleron® Products
Am	ApronMaxx®
Ap	Apron XL®
Avc	Avicta® Complete Corn
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed
Ce	Cruiser® Extreme
CMB	CruiserMaxx® Beans
D	Dynasty®
Es	Escalate®
Ex	Excalibre™
G	Gaucho®
I	Inovate™ System
Mq	Maxim® Quattro
Mx	Maxim® XL
None	untreated
O	Optimize®
P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed
Pr	Protinus™
R	Raxil®
Rc	Rancona®
S	Stamina®
SDPI	Servo™ DPI
SS+	SoyShield™ Plus
SStd	SureStand™
T	Trilex®
T2	Trilex® 2000
T6	Trilex® 6000
Th	thiabendazole
V	VOTIVO®
Z	zinc

Trademarks

- Excalibre™ is a trademark of Advanced Biological Marketing
- Allegiance®, Gaucho®, LibertyLink®, Poncho®, Raxil®, Trilex®, and VOTIVO™ are trademarks of Bayer AG.
- Stamina® is a trademark of BASF
- Escalate® is a trademark of Beck's Superior Hybrids, Inc.
- Rancona® is a trademark of Chemtura Corporation.
- Herculex® is a trademark of Dow AgroSciences LLC.
- STS® is a trademark of E.I. DuPont Nemours & Co.
- Optimize® is a trademark of EMD Crop BioScience Inc.
- SoyShield™ Plus is a trademark of Latham Hi-Tech Seeds
- Acceleron®, Genuity®, Roundup Ready®, Roundup Ready 2 Yield®, SmartStax®, VT Double PRO®, VT Triple PRO®, and YieldGard VT Triple are trademarks of Monsanto Technology LLC.
- Servo DPI™ is a trademark of Ohlde Seed.
- AcreMax®, Intrasect™ and Optimum® are trademarks of Pioneer Hi-Bred.
- SureStand™ is a trademark of Steyer Seeds.
- Agrisure®, ApronMaxx®, ApronXL®, Avicta®, Cruiser®, CruiserMaxx®, Dynasty®, Maxim® and Viptera™ are trademarks of a Syngenta Group Company.
- Inovate™ System is a trademark of Valent
- Protinus™ is a trademark of Wolf Trax, Inc.