

2013 Soybean Top 30 Harvest Report

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



PREV. CROP/HERB: Corn / Glyphosate (twice)
SOIL DESCRIPTION: Nicollet-Webster clay loam, mod. well drained, non-irrigated
SOIL CONDITIONS: High P, high K, 6.2 pH, 3.7% OM, low SCN
TILLAGE/CULTIVATION: Conventional w/ fall till
PEST MANAGEMENT: Roundup WeatherMax (twice)
SEEDED - RATE - ROW: Jun 7 154,220 /A 30" Spacing
HARVESTED - STAND: Oct 11 131,600 /A

Early-Season Test
1.6 - 1.9 Day CRM
S2013MNSO09a

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
Dairyland	DSR-1808/R2Y	RR2Y	1.8	R	CMB,O	46.3	10.8	0	132.6	\$590
Gold Country	2040	RR2Y	2.0	R	ACi	45.6	10.5	0	137.0	\$581
Viking	1984R2N	RR2Y	1.9	R	ACi,Ex	45.4	10.8	0	133.1	\$579
Gold Country	1644	RR2Y	1.6	R	ACi	45.2	10.4	0	134.1	\$576
Prairie Brand	PB-1722R2	RR2Y	1.7	R	CMBV	44.6	10.6	0	135.0	\$569
LG Seeds	C1917R2	RR2Y	1.9	R	AC,PV	44.3	10.7	0	136.0	\$565
Prairie Brand	PB-1843R2	RR2Y	1.8	R	CMBV	43.6	10.6	0	129.2	\$556
NuTech/G2 Gen	7171^	RR	1.7	R	SCE	43.4	10.3	0	134.6	\$553
NuTech/G2 Gen	7183^	RR	1.8	R	SCE	43.3	10.3	0	131.2	\$552
Gold Country	1943	RR2Y	1.9	R	ACi	43.0	10.2	0	137.0	\$548
Prairie Brand	PB-1982R2	RR2Y	1.8	R	CMBV	42.9	10.4	0	135.5	\$547
NK Brand	S17-B3 §	RR2Y	1.7	R	CMBV	42.5	10.6	0	138.9	\$542
Pioneer	91Y92 §	RR	1.9	R	EE,G	42.4	10.5	0	135.5	\$541
Wensman	W 3200NR2	RR2Y	2.0	R	AC,PV	40.4	9.5	0	137.0	\$515
Wensman	W 3160NR2	RR2Y	1.6	R	AC,PV	40.4	10.4	0	130.2	\$515
Dyna-Gro	S19RY84	RR2Y	1.9	MR	ACi	40.1	10.4	0	132.6	\$511
Channel	1805R2	RR2Y	1.8	MR	ACi	39.8	9.7	0	135.0	\$507
Asgrow	AG1733 §	RR2Y	1.7	R	ACi	39.4	10.3	0	130.7	\$502
Prairie Brand	PB-1566R2	RR2Y	1.6	R	CMBV	39.0	10.4	0	128.2	\$497
Renk	RS183NR2	RR2Y	1.8	R	CMB,O	38.9	9.3	0	122.9	\$496
Latham	L1948R2	RR2Y	1.9	R	SS+	38.5	8.1	0	129.7	\$491
SOI	1741NRR2Y	RR2Y	1.7	R	CMB	38.5	10.6	0	133.1	\$491
Viking	1707R2N	RR2Y	1.7	R	ACi,Ex	38.1	10.2	0	134.1	\$486
Pioneer	91Y81 §	RR	1.8	R	EE,G	37.6	10.2	0	133.6	\$479
Stine	16RA02 §	RR2Y	1.6	R	CMB	35.7	9.0	0	128.7	\$455
Pfister	17R27	RR2Y	1.7	R	CMB	35.5	10.6	0	127.3	\$453
Mustang	16624	RR2Y	1.6	R	AC	34.6	9.6	0	131.2	\$441
Hefty	H18Y12	RR2Y	1.8	MR	I	34.1	9.2	0	131.7	\$435
Latham	L1985R2	RR2Y	1.9	R	SS+	33.9	10.1	0	136.0	\$432
Titan Pro	TP-18R73	RR2Y	1.8	R	CMBV	33.7	10.3	0	128.3	\$430
Viking	2000R2N CK	RR2Y	2.0	R	ACi,Ex	40.5	10.3	0	135.5	\$516

Mark Querna

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

Test Average = **38.6** **9.9** **0** **131.6** **\$493**
LSD (0.10) = 6.5 1.3 ns
C.V. = 12.3 9.7

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

TEST COMMENTS: Persistent light rains through April and May delayed planting. Wet conditions continued through June, slowing plant development. July through mid-September was drier than normal. Yields have been "disappointing", according to Tom Warmka. These plants were very short at maturity, and few plots yielded well here. Yield results were a bit variable due to the wet conditions, but still acceptable.

† 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.

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

AgSCI Copyright 2013

Report date: 10/18/2013 Revised:

2013 Soybean Top 30 Harvest Report

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



PREV. CROP/HERB: Corn / Glyphosate (twice)
SOIL DESCRIPTION: Nicollet-Webster clay loam, mod. well drained, non-irrigated
SOIL CONDITIONS: High P, high K, 6.2 pH, 3.7% OM, low SCN
TILLAGE/CULTIVATION: Conventional w/ fall till
PEST MANAGEMENT: Roundup WeatherMax (twice)
SEEDED - RATE - ROW: Jun 7 154,220 /A 30" Spacing
HARVESTED - STAND: Oct 11 132,000 /A

Full-Season Test
2 - 2.3 Day GRM
S2013MNSO09b

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
Titan Pro	22M12	RR2Y	2.2	R	CMBV	54.8	11.7	0	138.9	\$699
Asgrow	AG2232 §	RR2Y	2.2	R	ACi	51.2	13.4	0	137.0	\$652
Dyna-Gro	S20RY94	RR2Y	2.0	R	ACi	50.9	11.3	0	138.9	\$649
Channel	2105R2	RR2Y	2.1	MR	ACi	50.8	13.4	0	139.9	\$647
Gold Country	2243	RR2Y	2.2	R	ACi	49.7	11.0	0	133.6	\$634
NK Brand	S22-F8 §	RR2Y	2.2	S	CMBV	49.6	11.9	0	136.0	\$632
Dairyland	DSR-2250/R2Y	RR2Y	2.2	MR	CMB,O	49.3	10.9	0	133.1	\$629
Channel	2306R2	RR2Y	2.3	R	ACi	48.9	11.6	0	137.0	\$623
Stine	22RD00 §	RR2Y	2.2	MR	CMB	48.3	10.6	0	134.1	\$616
NuTech/G2 Gen	7213 ^	RR	2.1	R	SCE	47.9	11.0	0	134.6	\$611
Dairyland	DSR-2105/R2Y	RR2Y	2.1	R	CMB,O	47.8	11.5	0	138.9	\$609
Kruger	K2-2303	RR2Y	2.3	MR	ACi	47.3	12.9	0	135.5	\$603
Renk	RS213NR2	RR2Y	2.1	R	CMB,O	47.2	12.0	0	132.6	\$602
Wensman	W 3222NR2	RR2Y	2.2	R	AC,PV	47.1	10.7	0	130.2	\$601
Stine	20RD20 §	RR2Y	2.0	R	CMB	46.9	11.4	0	132.1	\$598
Pioneer	92Y22 §	RR	2.2	R	EE,G	46.6	11.7	0	133.1	\$594
Kruger	K2-2301	RR2Y	2.3	S	ACi	46.5	11.5	0	121.0	\$593
Latham	L2185R2	RR2Y	2.1	R	SS+	46.4	12.1	0	127.8	\$592
Gold Country	2143	RR2Y	2.1	MR	ACi	46.2	12.5	0	116.2	\$589
Titan Pro	23M9	RR2Y	2.3	S	CMBV	45.7	11.3	0	137.9	\$583
Latham	L21B53R2	RR2Y	2.1	R	SS+	44.1	11.6	0	127.3	\$562
Prairie Brand	PB-2136R2	RR2Y	2.1	R	CMBV	43.9	10.3	0	136.0	\$560
Titan Pro	20M1	RR2Y	2.0	R	CMBV	43.9	10.7	0	135.5	\$560
Dyna-Gro	S22RY64	RR2Y	2.2	MR	ACi	43.8	11.0	0	134.6	\$558
Prairie Brand	PB-2230R2	RR2Y	2.1	R	CMBV	43.7	11.1	0	131.6	\$557
Mustang	21993	RR2Y	2.1	R	AC	43.5	10.6	0	136.0	\$555
SOI	2013NRR2Y	RR2Y	2.0	R	CMB	42.4	10.3	0	136.5	\$541
Jung	1201RR2	RR2Y	2.0	R	None	42.1	12.1	0	132.6	\$537
Latham	L2084R2	RR2Y	2.0	R	SS+	41.8	11.1	0	135.5	\$533
Wensman	W 3256NR2	RR2Y	2.5	MR	AC,PV	41.5	11.1	0	135.0	\$529
Viking	2000R2N CK	RR2Y	2.0	R	ACi,Ex	38.8	9.5	0	126.3	\$495

Mark Querna

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

Test Average = **42.6** **11.0** **0** **132.0** **\$543**
LSD (0.10) = 5.7 1.6 ns
C.V. = 9.8 10.6

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

TEST COMMENTS: Persistent light rains through April and May delayed planting. Wet conditions continued through June, slowing plant development. July through mid-September was drier than normal. Yields have been "disappointing", according to Tom Warmka. These plants were very short at maturity, and few plots yielded well here. Yield results were a bit variable due to the wet conditions, but still acceptable.

† 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.

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

AgSCI Copyright 2013

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 Doeblers 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.