

2013 Soybean Top 30 Harvest Report

Minnesota South Central [MNSC] MADISON LAKE
Mike Krenik, Le Sueur County, MN 56063



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Corn / Surpass, Glyphosate
SOIL DESCRIPTION: LeSueur-Cordova clay loam, mod. well drained, non-irrigated
SOIL CONDITIONS: High P, high K, 5.8 pH, 3.1% OM, low SCN
TILLAGE/CULTIVATION: Conventional w/ fall till
PEST MANAGEMENT: Roundup (twice), Warrior, Lorsban
SEEDED - RATE - ROW: Jun 14 154,220 /A 30" Spacing
HARVESTED - STAND: Oct 26 138,700 /A

Early-Season Test

1.5 - 1.8 Day CRM
S2013MNSC07a

Top 30 of 42

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
Prairie Brand	PB-1722R2	RR2Y	1.7	R	CMBV	70.9	11.3	0	138.4	\$904
Stine	16RA02 §	RR2Y	1.6	R	CMB	70.3	11.3	0	140.8	\$896
Channel	1805R2	RR2Y	1.8	MR	ACi	70.0	11.6	0	137.9	\$893
Asgrow	AG1832 §	RR2Y	1.8	MR	ACi	69.6	11.7	0	136.5	\$887
Titan Pro	15M22	RR2Y	1.5	R	CMBV	69.4	11.4	0	140.8	\$885
Channel	1700R2	RR2Y	1.7	R	ACi	69.1	11.4	0	138.4	\$881
Hefty	H18Y12	RR2Y	1.8	MR	I	68.5	11.4	0	139.4	\$873
Dairyland	DSR-1515/R2Y	RR2Y	1.5	MR	CMB,O	68.3	11.1	0	140.3	\$871
Channel	1503R2	RR2Y	1.5	R	ACi	68.2	12.0	0	138.4	\$870
LG Seeds	C1780R2	RR2Y	1.7	R	AC,PV	67.6	11.8	0	138.9	\$862
Wensman	W 3160NR2	RR2Y	1.6	R	AC,PV	67.4	11.5	0	139.4	\$859
Prairie Brand	PB-1982R2	RR2Y	1.8	R	CMBV	67.1	11.8	0	138.4	\$856
Titan Pro	TP-18R73	RR2Y	1.8	R	CMBV	67.1	11.8	0	141.3	\$856
Asgrow	AG1431 §	RR2Y	1.4	R	ACi	66.6	11.6	0	139.4	\$849
Viking	1707R2N	RR2Y	1.7	R	ACi,Ex	66.5	11.7	0	139.4	\$848
Pfister	15R29	RR2Y	1.5	R	CMB	66.2	11.6	0	139.9	\$844
Dairyland	DSR-1808/R2Y	RR2Y	1.8	R	CMB,O	66.2	11.7	0	138.4	\$844
Latham	L1585R2	RR2Y	1.5	R	SS+	66.0	11.4	0	141.3	\$842
Dyna-Gro	S18RY33	RR2Y	1.8	R	ACi	65.5	11.6	0	135.0	\$835
Anderson	184R2Y	RR2Y	1.8	R	None	65.4	11.4	0	139.4	\$834
Gold Country	1644	RR2Y	1.6	R	ACi	64.9	11.6	0	138.4	\$827
Dyna-Gro	S15RY53	RR2Y	1.5	R	ACi	64.8	11.4	0	136.5	\$826
NorthStar	NS 1528NR2	RR2Y	1.5	R	ACi	64.8	11.7	0	137.0	\$826
Prairie Brand	PB-1566R2	RR2Y	1.6	R	CMBV	64.7	11.6	0	139.9	\$825
NK Brand	S18-C2 §	RR2Y	1.8	R	CMBV	64.7	12.1	0	137.0	\$825
Advantage	ADV1811CR2	RR2Y	1.8	R	None	64.5	11.5	0	136.0	\$822
LG Seeds	C1530R2	RR2Y	1.5	R	AC,PV	64.3	11.8	0	139.4	\$820
Anderson	153R2Y	RR2Y	1.5	R	None	64.2	11.5	0	139.4	\$819
Prairie Brand	PB-1843R2	RR2Y	1.8	R	CMBV	63.5	11.6	0	139.4	\$810
Stine	16RD02	RR2Y	1.6	R	CMB	63.3	11.6	0	136.5	\$807
Viking	2000R2N CK	RR2Y	2.0	R	ACi,Ex	67.3	11.5	0	141.3	\$858

Test Average = **65.2** **11.6** **0** **138.7** **\$832**

LSD (0.10) = 4.6 0.3 ns

C.V. = 5.2 1.6

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

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

TEST COMMENTS: *Planting was delayed by persistent small rains and unseasonably cool weather. Once established, this site did very well. Plants were tall and healthy at harvest. Mike did spray for aphids in August, and rains in later Aug and Sept helped yields for this site. Minnesota was able to avoid a killing frost until Oct 20th, which helped all late season products to maximize yield.*

† 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 (twice), Warrior, Lorsban
 SEEDED - RATE - ROW: Jun 14 154,220 /A 30" Spacing
 HARVESTED - STAND: Oct 26 138,800 /A

Full-Season Test
1.9 - 2.2 Day GRM
 S2013MNSC07b

Top 30 of 45
 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
Latham	L1985R2	RR2Y	1.9	R	SS+	71.0	11.7	0	140.4	\$905
NK Brand	S20-T6 §	RR2Y	2.0	R	CMBV	70.1	11.5	0	138.4	\$894
Latham	L21B53R2	RR2Y	2.1	R	SS+	70.1	11.8	0	138.9	\$894
Gold Country	2040	RR2Y	2.0	R	ACi	69.6	12.0	0	138.9	\$887
Titan Pro	20M1	RR2Y	2.0	R	CMBV	69.3	11.6	0	139.9	\$884
LG Seeds	C2050R2	RR2Y	2.0	R	AC,PV	69.2	11.5	0	134.6	\$882
Gold Country	2243	RR2Y	2.2	R	ACi	69.1	11.4	0	140.8	\$881
Wensman	W 3222NR2	RR2Y	2.2	R	AC,PV	68.9	11.8	0	137.0	\$878
Jung	1225RR2	RR2Y	2.2	R	None	68.2	12.1	0	140.4	\$870
Dyna-Gro	S20RY94	RR2Y	2.0	R	ACi	67.9	11.7	0	138.4	\$866
Gold Country	1943	RR2Y	1.9	R	ACi	67.5	11.6	0	140.8	\$861
Wensman	W 3200NR2	RR2Y	2.0	R	AC,PV	67.5	11.9	0	134.6	\$861
Stine	20RD20 §	RR2Y	2.0	R	CMB	67.4	12.0	0	137.9	\$859
Latham	L2084R2	RR2Y	2.0	R	SS+	67.3	12.1	0	138.4	\$858
Dyna-Gro	S22RY64	RR2Y	2.2	MR	ACi	67.1	11.4	0	138.9	\$856
LG Seeds	C2222R2	RR2Y	2.2	R	AC,PV	66.9	11.6	0	136.0	\$853
Gold Country	2143	RR2Y	2.1	MR	ACi	66.4	12.2	0	138.9	\$847
NK Brand	S22-F8 §	RR2Y	2.2	S	CMBV	66.2	12.1	0	141.8	\$844
Stine	19RA02 §	RR2Y	1.9	R	CMB	65.9	11.6	0	139.4	\$840
Prairie Brand	PB-2230R2	RR2Y	2.1	R	CMBV	65.8	11.5	0	137.9	\$839
Advantage	ADV2184R1	RR	2.1	S	None	65.6	11.9	0	137.9	\$836
Dairyland	DSR-2105/R2Y	RR2Y	2.1	R	CMB,O	65.6	12.0	0	141.3	\$836
Channel	2105R2	RR2Y	2.1	MR	ACi	65.6	12.2	0	139.9	\$836
Wensman	W 3214NR2	RR2Y	2.1	R	AC,PV	65.5	11.5	0	138.9	\$835
Latham	L2253R2	RR2Y	2.2	R	SS+	65.4	11.6	0	139.9	\$834
Titan Pro	22M12	RR2Y	2.2	R	CMBV	65.4	12.0	0	138.4	\$834
Titan Pro	TP-21R63	RR2Y	2.1	MR	CMBV	65.3	11.6	0	135.5	\$833
Mustang	21993	RR2Y	2.1	R	AC	65.2	11.4	0	139.4	\$831
Asgrow	AG2031 §	RR2Y	2.0	R	ACi	65.2	12.1	0	140.4	\$831
Pioneer	92Y22 §	RR	2.2	R	EE,G	65.1	11.5	0	137.5	\$830
Viking	2000R2N CK	RR2Y	2.0	R	ACi,Ex	69.1	11.7	0	140.4	\$881

Test Average = **65.9** **11.8** **0** **138.8** **\$841**
 LSD (0.10) = 3.9 0.3 ns
 C.V. = 4.4 1.7

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

TEST COMMENTS: *Planting was delayed by persistent small rains and unseasonably cool weather. Once established, this site did very well. Plants were tall and healthy at harvest. Mike did spray for aphids in August, and rains in later Aug and Sept helped yields for this site. Minnesota was able to avoid a killing frost until Oct 20th, which helped all late season products to maximize yield.*

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Early-Season Test Products (42 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						
Anderson	153R2Y	RR2Y	1.5	R	None						
Anderson	162R2Y	RR2Y	1.6	R	None						
Anderson	184R2Y	RR2Y	1.8	R	None						
Asgrow	AG1431 §	RR2Y	1.4	R	ACi						
Asgrow	AG1733	RR2Y	1.7	R	ACi						
Asgrow	AG1832 §	RR2Y	1.8	MR	ACi						
Channel	1503R2	RR2Y	1.5	R	ACi						
Channel	1700R2	RR2Y	1.7	R	ACi						
Channel	1805R2	RR2Y	1.8	MR	ACi						
Dairyland	DSR-1515/R2Y	RR2Y	1.5	MR	CMB,O						
Dairyland	DSR-1808/R2Y	RR2Y	1.8	R	CMB,O						
Dyna-Gro	S15RY53	RR2Y	1.5	R	ACi						
Dyna-Gro	S18RY33	RR2Y	1.8	R	ACi						
Gold Country	1644	RR2Y	1.6	R	ACi						
Hefty	H16R4	RR2Y	1.6	MR	I						
Hefty	H18Y12	RR2Y	1.8	MR	I						
Latham	L1568R2	RR2Y	1.5	R	SS+						
Latham	L1585R2	RR2Y	1.5	R	SS+						
Latham	L1783R2	RR2Y	1.7	R	SS+						
LG Seeds	C1530R2	RR2Y	1.5	R	AC,PV						
LG Seeds	C1780R2	RR2Y	1.7	R	AC,PV						
Mustang	16624	RR2Y	1.6	R	AC						
NK Brand	S18-C2 §	RR2Y	1.8	R	CMBV						
NorthStar	NS 1528NR2	RR2Y	1.5	R	ACi						
NuTech/G2 Gen	7171^	RR	1.7	R	SCE						
NuTech/G2 Gen	7183^	RR	1.8	R	SCE						
Pfister	15R29	RR2Y	1.5	R	CMB						
Pioneer	91Y81 §	RR	1.8	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						
Stine	16RA02 §	RR2Y	1.6	R	CMB						
Stine	16RD02	RR2Y	1.6	R	CMB						
Titan Pro	15M22	RR2Y	1.5	R	CMBV						
Titan Pro	TP-18R73	RR2Y	1.8	R	CMBV						
Viking	1707R2N	RR2Y	1.7	R	ACi,Ex						
Viking	2000R2N CK	RR2Y	2.0	R	ACi,Ex						
Wensman	W 3160NR2	RR2Y	1.6	R	AC,PV						

Full-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Advantage	ADV2184R1	RR	2.1	S	None						
Anderson	204R2Y	RR2Y	2.0	R	None						
Asgrow	AG2031 §	RR2Y	2.0	R	ACi						
Channel	2105R2	RR2Y	2.1	MR	ACi						
Dairyland	DSR-2105/R2Y	RR2Y	2.1	R	CMB,O						
Dairyland	DSR-2250/R2Y	RR2Y	2.2	MR	CMB,O						
Dyna-Gro	S20RY94	RR2Y	2.0	R	ACi						
Dyna-Gro	S22RY64	RR2Y	2.2	MR	ACi						
Gold Country	1943	RR2Y	1.9	R	ACi						
Gold Country	2040	RR2Y	2.0	R	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						
Jung	1201RR2	RR2Y	2.0	R	None						
Jung	1212RR2	RR2Y	2.1	R	None						
Jung	1225RR2	RR2Y	2.2	R	None						
Latham	L1985R2	RR2Y	1.9	R	SS+						
Latham	L2084R2	RR2Y	2.0	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 2199NR2	RR2Y	2.1	R	ACi						
NuTech/G2 Gen	7208^	RR	2.0	R	SCE						
NuTech/G2 Gen	7213^	RR	2.1	R	SCE						
Pioneer	91Y92 §	RR	1.9	R	EE,G						
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						
Renk	RS224NR2	RR2Y	2.2	R	None						
Stine	19RA02 §	RR2Y	1.9	R	CMB						
Stine	20RD20 §	RR2Y	2.0	R	CMB						
Titan Pro	20M1	RR2Y	2.0	R	CMBV						
Titan Pro	22M12	RR2Y	2.2	R	CMBV						
Titan Pro	TP-19R23	RR2Y	1.9	MR	CMBV						
Titan Pro	TP-21R63	RR2Y	2.1	MR	CMBV						
Viking	2000R2N CK	RR2Y	2.0	R	ACi,Ex						
Wensman	W 3200NR2	RR2Y	2.0	R	AC,PV						
Wensman	W 3214NR2	RR2Y	2.1	R	AC,PV						
Wensman	W 3222NR2	RR2Y	2.2	R	AC,PV						

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.