

2014 Soybean Top 30 Harvest Report

Minnesota South [MNSO] KASSON
 Brian Herbst, Dodge County, MN 55944



Test by: IMQ, LLC, New Richland, MN

PREV. CROP/HERB: Corn / Steadfast, Callisto
 SOIL DESCRIPTION: Readlyn silt loam, well drained, non-irrigated
 SOIL CONDITIONS: High P, high K, 6.9 pH, 3.8 % OM, medium SCN
 TILLAGE/CULTIVATION: Conventional w/ fall till
 PEST MANAGEMENT: Roundup twice, Lorsban
 SEEDED - RATE - ROW: May 28 140,000 /A 30" Spacing
 HARVESTED - STAND: Oct 19 130,200 /A

Early-Season Test

1.6 - 2 Day RM
 S2014MNSO12a

Top 30 of 45

For Gross Income (Sorted by 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	L1968R2	RR2Y	1.90	R	CCB	58.2	13.8	0	129.3	\$523
Channel	1808R2	RR2Y	1.80	R	ACi	53.3	13.8	0	129.8	\$479
Dairyland	DSR-1990/R2Y	RR2Y	1.90	R	CMB	52.5	13.9	0	132.1	\$472
Prairie Brand	PB-1956R2	RR2Y	1.90	R	CMBV	52.5	14.0	0	129.8	\$471
Viking	1909R2N	RR2Y	1.90	R	None	52.2	14.0	0	128.9	\$469
Anderson	185R2Y	RR2Y	1.80	R	None	51.9	13.8	0	131.6	\$466
NK Brand	S17-B3 §	RR2Y	1.70	R	CCB	51.9	14.1	0	127.9	\$466
Hefty	H18R5	RR2Y	1.80	MR	DST	50.7	13.8	0	130.7	\$455
NK Brand	S19-Z9 §	RR2Y	1.90	R	CCB	50.7	14.6	0	129.8	\$455
Gold Country	1814	RR2Y	1.80	MR	ACi	50.4	13.9	0	130.2	\$453
Latham	L1858R2	RR2Y	1.80	R	SS+	50.1	13.7	0	131.6	\$450
Prairie Brand	PB-1947R2	RR2Y	1.90	R	CMBV	49.8	13.6	0	130.7	\$448
Renk	RS195NR2 GC	RR2Y	1.90	R	None	49.1	13.6	0	131.2	\$441
Renk	RS175NR2	RR2Y	1.70	R	None	48.6	14.1	0	130.7	\$436
Wensman	W 3195NR2	RR2Y	1.90	R	AC,PV	48.3	13.9	0	128.8	\$434
Pfister	19R24	RR2Y	1.90	R	CCB	48.2	14.1	0	130.2	\$433
Anderson	184R2Y	RR2Y	1.80	R	None	47.8	14.0	0	131.1	\$429
Titan Pro	TP-18R24	RR2Y	1.80	R	CCB	46.8	13.7	0	128.9	\$421
Latham	L1985R2	RR2Y	1.90	R	CCB	46.6	13.6	0	129.8	\$419
Stine	19RA02 §	RR2Y	1.90	R	None	46.2	13.7	0	131.6	\$415
Latham	L1785R2	RR2Y	1.70	R	CCB	45.9	13.9	0	131.2	\$412
LG Seeds	C1899R2	RR2Y	1.80	R	AC,PV	45.2	13.9	0	130.7	\$406
Asgrow	AG1733 §	RR2Y	1.70	R	ACi	45.1	13.8	0	129.3	\$405
Channel	1700R2	RR2Y	1.70	R	ACi	44.9	13.6	0	131.6	\$404
Prairie Brand	PB-1822R2	RR2Y	1.80	R	CMBV	43.5	13.9	0	131.2	\$391
Dyna-Gro	S19RY84	RR2Y	1.90	MR	CMBV	42.3	14.1	0	130.7	\$380
Renze	18R85R2cn	RR2Y	1.80	R	CMB	42.2	14.1	0	131.2	\$379
LG Seeds	C1530R2	RR2Y	1.50	R	AC,PV	41.9	14.1	0	129.8	\$376
Viking	1707R2N	RR2Y	1.70	R	CMB	41.7	13.3	0	131.2	\$375
Gold Country	1943	RR2Y	1.90	MR	ACi	41.3	13.5	0	128.9	\$371
Viking	2000R2N CK	RR2Y	2.00	R	CMB	40.4	13.7	0	129.8	\$363

Mark Querna
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Test Average =	44.6	13.9	0	130.2	\$400
LSD (0.10) =	8.3	0.5	ns		
LSD (0.25) =	5.8	0.3	ns		
C.V. =	13.7	2.4			

Yield & Income Factors Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Price = \$9.00 GMO / \$9.00 Non-GMO

TEST COMMENTS: This site had numerous challenges. High rainfall totals (June, July and August were 9", 2.2" and 6", respectively), sudden death syndrome impacting several varieties, early frost (Sept 13) and SCN (789 eggs/100 cc in June) reduced yield potential. Despite having ample pattern tile, excess surface water from higher ground hurt the test yield vs. the higher ground field average (60 bu/acre).

† 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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 PEST MANAGEMENT: Roundup twice, Lorsban
 SEEDED - RATE - ROW: May 28 140,000 /A 30" Spacing
 HARVESTED - STAND: Oct 19 129,100 /A

Full-Season Test

2.1 - 2.3 Day CRM

S2014MNSO12b

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For Gross Income (Sorted by 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
Gold Country	2114	RR2Y	2.10	MR	ACi	60.1	12.4	0	129.8	\$541
Channel	2108R2	RR2Y	2.10	R	ACi	57.0	12.5	0	128.8	\$513
Titan Pro	TP-20R44	RR2Y	2.00	R	CCB	56.9	12.7	0	129.8	\$512
Pfister	20R23	RR2Y	2.00	R	CCB	55.5	12.9	0	130.7	\$500
Dyna-Gro	S20RY45	RR2Y	2.00	R	CMBV	55.4	12.9	0	127.0	\$499
Renk	RS213NR2	RR2Y	2.10	R	CMB	55.0	12.6	0	129.3	\$495
LG Seeds	C2020R2	RR2Y	2.00	R	AC,PV	54.6	12.7	0	127.9	\$491
Stine	20RD20 §	RR2Y	2.00	R	None	54.4	13.1	0	129.3	\$489
Dyna-Gro	S20RY94	RR2Y	2.00	R	CMBV	53.8	12.5	0	128.8	\$484
Prairie Brand	PB-2188R2	RR2Y	2.10	R	CMBV	53.2	12.6	0	127.9	\$479
Latham	L2128R2	RR2Y	2.10	R	CCB	52.8	12.6	0	129.8	\$475
Wensman	W 3200NR2	RR2Y	2.00	R	AC,PV	52.8	12.7	0	130.2	\$475
Advantage	ADV2014CR2	RR2Y	2.00	MR	None	52.6	12.8	0	129.8	\$473
NK Brand	S22-S1 §	RR2Y	2.20	R	CCB	52.5	12.6	0	127.5	\$473
Stine	22RD00 §	RR2Y	2.20	MR	None	51.5	12.2	0	128.4	\$464
Prairie Brand	PB-2024R2	RR2Y	2.00	R	CMBV	51.0	12.5	0	127.9	\$459
Asgrow	AG2031 §	RR2Y	2.00	R	ACi	50.6	12.6	0	129.8	\$455
Gold Country	2143	RR2Y	2.10	MR	ACi	50.6	13.2	0	119.7	\$455
Prairie Brand	PB-2230R2	RR2Y	2.20	R	CMBV	50.4	12.5	0	128.4	\$454
Anderson	205R2Y	RR2Y	2.00	R	None	50.3	12.5	0	130.7	\$453
Latham	L2084R2	RR2Y	2.00	R	CCB	50.2	12.9	0	129.3	\$452
NK Brand	S20-T6 §	RR2Y	2.00	MR	CCB	50.1	12.3	0	128.8	\$451
Croplan	R2C2263 GC	RR2Y	2.20	R	CMBV	49.7	12.4	0	127.5	\$447
LG Seeds	C2222R2	RR2Y	2.20	R	AC,PV	49.0	12.5	0	128.8	\$441
Renk	RS224NR2	RR2Y	2.20	R	None	48.6	12.3	0	130.2	\$437
Dairyland	DSR-2250/R2Y	RR2Y	2.20	MR	CMB	48.4	12.6	0	127.9	\$436
Pfister	22R20	RR2Y	2.20	R	CCB	47.6	12.3	0	129.3	\$428
Viking	2144R2N	RR2Y	2.10	R	CMB	47.5	12.8	0	130.7	\$428
Hefty	H20Y12	RR2Y	2.00	MR	DST	47.2	12.2	0	128.8	\$425
SOI	2013NRR2Y	RR2Y	2.00	R	None	46.9	12.4	0	129.8	\$422
Viking	2000R2N CK	RR2Y	2.00	R	CMB	47.1	12.3	0	126.6	\$424

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Test Average =	47.8	12.6	0	129.1	\$431
LSD (0.10) =	8.9	0.3	ns		
LSD (0.25) =	6.2	0.2	ns		
C.V. =	13.7	1.8			

Yield & Income Factors Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Price = $\frac{\$9.00}{\$9.00}$ GMO Non-GMO

TEST COMMENTS: This site had numerous challenges. High rainfall totals (June, July and August were 9", 2.2" and 6", respectively), sudden death syndrome impacting several varieties, early frost (Sept 13) and SCN (789 eggs/100 cc in June) reduced yield potential. Despite having ample pattern tile, excess surface water from higher ground hurt the test yield vs. the higher ground field average (60 bu/acre).

† 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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Early-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Advantage	ADV1760CR2	RR2Y	1.70	MR	None						
Anderson	162R2Y	RR2Y	1.60	R	None						
Anderson	184R2Y	RR2Y	1.80	R	None						
Anderson	185R2Y	RR2Y	1.80	R	None						
Asgrow	AG1733 §	RR2Y	1.70	R	ACi						
Channel	1700R2	RR2Y	1.70	R	ACi						
Channel	1808R2	RR2Y	1.80	R	ACi						
Dairyland	DSR-1990/R2Y	RR2Y	1.90	R	CMB						
Dyna-Gro	S18RY25	RR2Y	1.80	R	CMBV						
Dyna-Gro	S19RY84	RR2Y	1.90	MR	CMBV						
Gold Country	1741	RR2Y	1.70	R	ACi						
Gold Country	1814	RR2Y	1.80	MR	ACi						
Gold Country	1943	RR2Y	1.90	MR	ACi						
Hefty	H16R5	RR2Y	1.60	MR	DST						
Hefty	H17R5	RR2Y	1.70	MR	DST						
Hefty	H18R5	RR2Y	1.80	MR	DST						
Latham	L1785R2	RR2Y	1.70	R	CCB						
Latham	L1858R2	RR2Y	1.80	R	SS+						
Latham	L1968R2	RR2Y	1.90	R	CCB						
Latham	L1985R2	RR2Y	1.90	R	CCB						
LG Seeds	C1530R2	RR2Y	1.50	R	AC,PV						
LG Seeds	C1899R2	RR2Y	1.80	R	AC,PV						
NK Brand	S17-B3 §	RR2Y	1.70	R	CCB						
NK Brand	S19-Z9 §	RR2Y	1.90	R	CCB						
Pfister	17R28	RR2Y	1.70	R	CCB						
Pfister	19R24	RR2Y	1.90	R	CCB						
Pioneer	P19T01R §	RR	1.90	R	None						
Pioneer	P19T60R §	RR	1.90	R	None						
Prairie Brand	PB-1794R2	RR2Y	1.70	R	CMBV						
Prairie Brand	PB-1822R2	RR2Y	1.80	R	CMBV						
Prairie Brand	PB-1947R2	RR2Y	1.90	R	CMBV						
Prairie Brand	PB-1956R2	RR2Y	1.90	R	CMBV						
Renk	RS175NR2	RR2Y	1.70	R	None						
Renk	RS183NR2	RR2Y	1.80	R	None						
Renk	RS195NR2 GC	RR2Y	1.90	R	None						
Renze	18R85R2cn	RR2Y	1.80	R	CMB						
Stine	19RA02 §	RR2Y	1.90	R	None						
Titan Pro	TP-17R54	RR2Y	1.70	R	CCB						
Titan Pro	TP-18R24	RR2Y	1.80	R	CCB						
Viking	1707R2N	RR2Y	1.70	R	CMB						
Viking	1909R2N	RR2Y	1.90	R	None						
Viking	2000R2N CK	RR2Y	2.00	R	CMB						
Wensman	W 3160NR2	RR2Y	1.60	R	AC,PV						
Wensman	W 3170NR2	RR2Y	1.70	R	AC,PV						
Wensman	W 3195NR2	RR2Y	1.90	R	AC,PV						

2014 Soybean - Minnesota South [MNSO]



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	ADV2014CR2	RR2Y	2.00	MR	None	Titan Pro	TP-20R44	RR2Y	2.00	R	CCB
Advantage	ADV2200CR2	RR2Y	2.20	MR	None	Titan Pro	TP-21R63	RR2Y	2.10	R	CCB
Advantage	ADV2214R	RR	2.10	S	None	Viking	1908CNRR	RR	1.90	R	None
Anderson	204R2Y	RR2Y	2.00	R	None	Viking	2000R2N CK	RR2Y	2.00	R	CMB
Anderson	205R2Y	RR2Y	2.00	R	None	Viking	2144R2N	RR2Y	2.10	R	CMB
Asgrow	AG2031 §	RR2Y	2.00	R	ACi	Viking	2301R2N	RR2Y	2.30	R	None
Asgrow	AG2134 §	RR2Y	2.10	R	ACi	Wensman	W 3200NR2	RR2Y	2.00	R	AC,PV
Channel	2108R2	RR2Y	2.10	R	ACi	Wensman	W 3214NR2	RR2Y	2.10	R	AC,PV
Channel	2207R2	RR2Y	2.20	R	ACi	Wensman	W 3228NR2	RR2Y	2.20	R	AC,PV
Channel	2306R2	RR2Y	2.30	R	ACi						
Croplan	R2C2263 GC	RR2Y	2.20	R	CMBV						
Dairyland	DSR-2250/R2Y	RR2Y	2.20	MR	CMB						
Dyna-Gro	S20RY45	RR2Y	2.00	R	CMBV						
Dyna-Gro	S20RY94	RR2Y	2.00	R	CMBV						
Dyna-Gro	S22RY64	RR2Y	2.20	MR	CMBV						
Gold Country	2114	RR2Y	2.10	MR	ACi						
Gold Country	2143	RR2Y	2.10	MR	ACi						
Hefty	H20R5	RR2Y	2.00	MR	DST						
Hefty	H20Y12	RR2Y	2.00	MR	DST						
Hefty	H21Y11	RR2Y	2.10	R	DST						
Hefty	H23R5	RR2Y	2.30	MR	DST						
Latham	L2058R2	RR2Y	2.00	R	CCB						
Latham	L2084R2	RR2Y	2.00	R	CCB						
Latham	L2128R2	RR2Y	2.10	R	CCB						
Latham	L2384R2	RR2Y	2.30	R	SS+						
LG Seeds	C2020R2	RR2Y	2.00	R	AC,PV						
LG Seeds	C2222R2	RR2Y	2.20	R	AC,PV						
NK Brand	S20-T6 §	RR2Y	2.00	MR	CCB						
NK Brand	S22-S1 §	RR2Y	2.20	R	CCB						
Pfister	20R23	RR2Y	2.00	R	CCB						
Pfister	22R20	RR2Y	2.20	R	CCB						
Pioneer	92Y22 §	RR	2.20	R	EE,G						
Prairie Brand	PB-2024R2	RR2Y	2.00	R	CMBV						
Prairie Brand	PB-2188R2	RR2Y	2.10	R	CMBV						
Prairie Brand	PB-2230R2	RR2Y	2.20	R	CMBV						
Renk	RS213NR2	RR2Y	2.10	R	CMB						
Renk	RS224NR2	RR2Y	2.20	R	None						
Renze	20R04R2cn	RR2Y	2.00	R	CMB						
Renze	22R33R2cn	RR2Y	2.20	R	CMB						
SOI	2013NRR2Y	RR2Y	2.00	R	None						
SOI	2097NRR2Y	RR2Y	2.00	R	None						
Stine	20RD20 §	RR2Y	2.00	R	None						
Stine	22RD00 §	RR2Y	2.20	MR	None						
Titan Pro	20M1	RR2Y	2.00	R	CCB						
Titan Pro	22M12	RR2Y	2.20	R	CCB						

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. VPMaXX® brand seed is distributed by AgVenture, Inc. XL® and Phoenix® brand seed are distributed by Beck's Superior Hybrids, Inc. Curry®, G2®, HPT®, RPM®, Supreme EX®, VPMaXX® and XL® are registered trademarks of DuPont Pioneer. Phoenix® is a trademark of a
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
RR	Roundup Ready® Soybeans
RR2Y	Genuity® Roundup Ready 2 Yield®
ST	Sulfonylurea herbicide tolerant

Soybean Cyst Nematode (SCN) Resistance Rating

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

Soybean Seed Treatments*

?	Information not provided	DST	Dominance ST
A	Allegiance®	EE	Evergol™ Energy
AC	Acceleron® fungicide products	G	Gaucho®
ACi	Acceleron® fungicide and insecticide products	I	Inovate™ System
AM	ApronMaxx®	M	Maxim®
AP	Apron XL®	None	untreated
AVB	Avicta® Complete Beans	PS	ProShield™ (Mid-Atlantic Seed)
C	Cruiser®	PV	Poncho®/Votivo®
CCB	Clariva Complete Beans	SS+	Soyshield Plus™
CMB	CruiserMaxx® Beans	T	Trilex®
CMBV	CruiserMaxx® Beans with Vibrance		

* Seed treatments may include unspecified plant health promoting components.