

2014 Soybean Top 30 Harvest Report

Iowa North [IANO] EMMETSBURG

Tom Quastad, Iowa Lakes Comm. College, Palo Alto County, IA 50536



PREV. CROP/HERB: Corn / Glyphosate
 SOIL DESCRIPTION: Nicollet-Clarion loam, well drained, non-irrigated
 SOIL CONDITIONS: High P, high K, 6.4 pH, 4.2 % OM
 TILLAGE/CULTIVATION: Minimum w/ fall till
 PEST MANAGEMENT: Glyphosate, Volunteer
 SEEDED - RATE - ROW: May 16 167,000 /A 15" Spacing
 HARVESTED - STAND: Oct 8 157,700 /A

Early-Season Test

1.8 - 2.1 Day RM

S2014IANO01a

Top 30 of 48

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
Renk	RS195NR2	RR2Y	1.90	R	None	64.3	10.4	1	154.9	\$566
Asgrow	AG2031 §	RR2Y	2.00	R	ACi	63.8	10.7	1	166.5	\$561
Renk	RS213NR2	RR2Y	2.10	R	CMB	63.1	10.8	1	158.7	\$555
Cornelius	CB20R44	RR2Y	2.00	R	CCB	63.0	10.8	1	139.4	\$554
Cornelius	CB19R86	RR2Y	1.90	R	CCB	62.8	10.5	1	151.0	\$553
Latham	L2084R2	RR2Y	2.00	R	CCB	62.7	10.4	1	151.0	\$552
Stine	20RD20 §	RR2Y	2.00	R	None	62.7	10.8	1	158.7	\$552
Renze	20R04R2cn	RR2Y	2.00	R	CMB	62.7	10.8	1	166.5	\$552
Pfister	20R23	RR2Y	2.00	R	CCB	62.6	10.7	1	154.9	\$551
Champion	20R35N	RR2Y	2.00	MR	CMBV	62.5	10.5	1	154.9	\$550
Titan Pro	TP-18R24	RR2Y	1.80	R	CCB	61.7	10.5	1	170.4	\$543
Latham	L2058R2	RR2Y	2.00	R	CCB	61.5	10.7	1	166.5	\$541
FS Hisoy	HS 19A42	RR2Y	1.90	R	ACi	61.4	10.5	1	154.9	\$540
Hefty	H18R5	RR2Y	1.80	MR	DST	61.4	10.6	1	166.5	\$540
NK Brand	S20-T6 §	RR2Y	2.00	MR	CCB	61.2	10.2	1	162.6	\$539
Viking	2144R2N	RR2Y	2.10	R	CMB	61.2	10.7	1	151.0	\$539
Titan Pro	TP-21R63	RR2Y	2.10	R	CCB	61.1	10.4	1	151.0	\$538
Prairie Brand	PB-2188R2	RR2Y	2.10	R	CMBV	61.0	10.6	1	166.5	\$537
LG Seeds	C1899R2	RR2Y	1.80	R	AC,PV	60.8	10.3	1	166.5	\$535
Kruger	K2-1801	RR2Y	1.80	R	ACi	60.8	10.4	1	151.0	\$535
Kruger	K2-1901	RR2Y	1.90	MR	AC	60.7	10.2	1	139.4	\$534
Kruger	K2-2103	RR2Y	2.10	R	ACi	60.0	10.4	1	162.6	\$528
SOI	2097NRR2Y	RR2Y	2.00	R	None	59.6	10.7	1	154.9	\$524
Kruger	K2-2002	RR2Y	2.00	MR	ACi	59.6	11.2	1	158.7	\$524
Viking	1909R2N	RR2Y	1.90	R	None	59.4	10.4	1	154.9	\$523
Prairie Brand	PB-1956R2	RR2Y	1.90	R	CMBV	59.4	10.6	1	154.9	\$523
SOI	2013NRR2Y	RR2Y	2.00	R	None	59.2	10.3	1	166.5	\$521
Prairie Brand	PB-2230R2	RR2Y	2.20	R	CMBV	59.2	10.6	1	151.0	\$521
Hefty	H20R5	RR2Y	2.00	MR	DST	59.0	10.5	1	170.4	\$519
LG Seeds	C2020R2	RR2Y	2.00	R	AC,PV	58.9	10.5	1	154.9	\$518
Croplan	R2C2263 CK	RR2Y	2.20	R	CMBV	60.2	10.6	1	158.7	\$530

Corey Rozenboom
 corey.rozenboom@firstseedtests.com, (319) 830-8886

Test Average =	59.8	10.5	1	157.7	\$526
LSD (0.10) =	2.3	0.3	ns		
LSD (0.25) =	1.6	0.2	ns		
C.V. =	2.8	2.2			

Yield & Income Factors Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Price = $\frac{\$8.80}{\$8.80}$ GMO Non-GMO

TEST COMMENTS: *There was a great soybean stand across this site. June rainfall totaled nearly 17" for the month; almost 12" above the 30-year average. Plants were healthy through the end of July and flowered well. No foliar diseases were noted here. Temperatures approached freezing on the night of Sept 12. Plants received some minor hail in June but recovered well.*

† 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: Glyphosate, Volunteer
 SEEDED - RATE - ROW: May 16 167,000 /A 15" Spacing
 HARVESTED - STAND: Oct 8 156,400 /A

Full-Season Test

2.2 - 2.5 Day CRM

S2014IANO01b

Top 30 of 48

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
FS Hisoy	HS 23A42	RR2Y	2.30	R	ACi	64.4	10.5	1	151.0	\$567
Channel	2306R2	RR2Y	2.30	R	ACi	62.9	10.5	1	166.5	\$554
LG Seeds	C2441R2	RR2Y	2.40	R	AC,PV	61.7	10.2	1	166.5	\$543
Prairie Brand	PB-X14201R2	RR2Y	2.00	R	CMBV	61.3	10.5	1	158.7	\$539
Titan Pro	25M22	RR2Y	2.50	R	CCB	61.0	11.6	1	154.9	\$537
Latham	L2384R2	RR2Y	2.30	R	SS+	60.3	11.3	1	154.9	\$531
Hefty	H25R5	RR2Y	2.50	MR	DST	60.2	10.6	1	158.7	\$530
Dairyland	DSR-2411/R2Y	RR2Y	2.40	S	CMB	60.1	10.8	1	158.8	\$529
FS Hisoy	HS 24A42	RR2Y	2.40	R	ACi	59.7	10.2	1	139.4	\$525
Pioneer	92Y22 §	RR	2.20	R	EE,G	59.6	9.9	1	170.4	\$524
Kruger	K2-2201	RR2Y	2.20	R	ACi	59.2	10.4	1	147.2	\$521
Pfister	22R20	RR2Y	2.20	R	CCB	59.1	10.3	1	158.7	\$520
Renze	22R33R2cn	RR2Y	2.20	R	CMB	59.1	10.4	1	143.3	\$520
Viking	2301R2N	RR2Y	2.30	R	None	59.1	10.4	1	147.1	\$520
Renk	RS224NR2	RR2Y	2.20	R	None	59.0	10.3	1	154.9	\$519
Titan Pro	TP-24R24	RR2Y	2.40	R	CCB	59.0	12.1	1	154.9	\$519
Dairyland	DSR-2250/R2Y	RR2Y	2.20	MR	CMB	58.9	10.4	1	151.0	\$518
Pioneer	P22T69R §	RR	2.20	R	EE,G	58.8	9.4	1	151.0	\$517
Prairie Brand	PB-2319R2	RR2Y	2.30	R	CMBV	58.8	10.3	1	151.0	\$517
Latham	L2448R2	RR2Y	2.40	R	CCB	58.8	12.1	1	158.7	\$517
LG Seeds	C2222R2	RR2Y	2.20	R	AC,PV	58.6	10.4	1	158.7	\$516
Stine	22RD00 §	RR2Y	2.20	MR	None	58.5	10.3	1	166.5	\$515
Latham	L2253R2	RR2Y	2.20	R	CCB	58.5	10.4	1	151.0	\$515
Titan Pro	TP-23R04	RR2Y	2.30	R	CCB	58.5	10.5	1	154.9	\$515
Cornelius	CB22R60	RR2Y	2.20	R	CCB	58.4	10.3	1	158.7	\$514
Dyna-Gro	S22RY64	RR2Y	2.20	MR	CMBV	58.3	10.3	1	147.1	\$513
Dyna-Gro	S24RY65	RR2Y	2.40	R	CMBV	58.1	10.7	1	166.5	\$511
Kruger	K2-2503	RR2Y	2.50	R	ACi	58.0	11.0	1	151.0	\$510
Renk	RS241R2	RR2Y	2.40	S	CMB	57.8	10.6	1	147.1	\$509
Pfister	24R22	RR2Y	2.40	R	CCB	57.7	10.6	1	154.9	\$508
Croplan	R2C2263 CK	RR2Y	2.20	R	CMBV	59.5	10.5	1	166.5	\$524

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Test Average =	58.2	10.6	1	156.4	\$512
LSD (0.10) =	3.3	1.1	ns		
LSD (0.25) =	2.3	0.8	ns		
C.V. =	4.2	7.9			

Yield & Income Factors Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Price = $\frac{\$8.80 \text{ GMO}}{\$8.80 \text{ Non-GMO}}$

TEST COMMENTS: *There was a great soybean stand across this site. June rainfall totaled nearly 17" for the month; almost 12" above the 30-year average. Plants were healthy through the end of July and flowered well. No foliar diseases were noted here. Temperatures approached freezing on the night of Sept 12. Plants received some minor hail in June but recovered well.*

† See last page for abbreviation descriptions. Results in **bold** are significantly above test average by LSD (0.10). **ns** = column values not significantly different.

Additional reports available at www.firstseedtests.com

Report date: 10/9/2014

Revised:

10/18/2014

Pioneer 92Y22 omitted from initial report, now ranked 10th

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Early-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed	Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed	Trt
Asgrow	AG2031 §	RR2Y	2.00	R	ACi		Titan Pro	TP-21R63	RR2Y	2.10	R	CCB	
Champion	20R35N	RR2Y	2.00	MR	CMBV		Viking	1909R2N	RR2Y	1.90	R	None	
Champion	21R34N	RR2Y	2.10	MR	CMBV		Viking	2144R2N	RR2Y	2.10	R	CMB	
Channel	1901R2	RR2Y	1.90	R	ACi								
Cornelius	CB18R52	RR2Y	1.80	R	CCB								
Cornelius	CB19R86	RR2Y	1.90	R	CCB								
Cornelius	CB20R44	RR2Y	2.00	R	CCB								
Cornelius	CB21R24	RR2Y	2.10	R	CCB								
Croplan	R2C2263 CK	RR2Y	2.20	R	CMBV								
Dyna-Gro	S20RY45	RR2Y	2.00	R	CMBV								
Dyna-Gro	S20RY94	RR2Y	2.00	R	CMBV								
FS Hisoy	HS 19A42	RR2Y	1.90	R	ACi								
Hefty	H18R5	RR2Y	1.80	MR	DST								
Hefty	H20R5	RR2Y	2.00	MR	DST								
Hefty	H20Y12	RR2Y	2.00	MR	DST								
Kruger	K2-1801	RR2Y	1.80	R	ACi								
Kruger	K2-1901	RR2Y	1.90	MR	AC								
Kruger	K2-2002	RR2Y	2.00	MR	ACi								
Kruger	K2-2103	RR2Y	2.10	R	ACi								
Latham	L1858R2	RR2Y	1.80	R	SS+								
Latham	L1968R2	RR2Y	1.90	R	CCB								
Latham	L2058R2	RR2Y	2.00	R	CCB								
Latham	L2084R2	RR2Y	2.00	R	CCB								
LG Seeds	C1899R2	RR2Y	1.80	R	AC,PV								
LG Seeds	C2020R2	RR2Y	2.00	R	AC,PV								
NK Brand	S19-Z9 §	RR2Y	1.90	R	CCB								
NK Brand	S20-T6 §	RR2Y	2.00	MR	CCB								
Pfister	19R24	RR2Y	1.90	R	CCB								
Pfister	20R23	RR2Y	2.00	R	CCB								
Pioneer	P19T01R §	RR	1.90	R	None								
Prairie Brand	PB-1947R2	RR2Y	1.90	R	CMBV								
Prairie Brand	PB-1956R2	RR2Y	1.90	R	CMBV								
Prairie Brand	PB-2188R2	RR2Y	2.10	R	CMBV								
Prairie Brand	PB-2230R2	RR2Y	2.20	R	CMBV								
Renk	RS183NR2	RR2Y	1.80	R	None								
Renk	RS195NR2	RR2Y	1.90	R	None								
Renk	RS213NR2	RR2Y	2.10	R	CMB								
Renze	20R04R2cn	RR2Y	2.00	R	CMB								
SOI	2013NRR2Y	RR2Y	2.00	R	None								
SOI	2097NRR2Y	RR2Y	2.00	R	None								
Stine	19RA02 §	RR2Y	1.90	R	None								
Stine	20RD20 §	RR2Y	2.00	R	None								
Titan Pro	20M1	RR2Y	2.00	R	CCB								
Titan Pro	TP-18R24	RR2Y	1.80	R	CCB								
Titan Pro	TP-20R44	RR2Y	2.00	R	CCB								

2014 Soybean - Iowa North [IANO]



Full-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Asgrow	AG2232 §	RR2Y	2.20	R	ACi	Titan Pro	TP-23R04	RR2Y	2.30	R	CCB
Asgrow	AG2433 §	RR2Y	2.40	MR	ACi	Titan Pro	TP-24R24	RR2Y	2.40	R	CCB
Champion	25R95N	RR2Y	2.50	MR	CMBV	Viking	2301R2N	RR2Y	2.30	R	None
Channel	2306R2	RR2Y	2.30	R	ACi						
Cornelius	CB22R60	RR2Y	2.20	R	CCB						
Cornelius	CB23R98	RR2Y	2.30	R	CCB						
Cornelius	CB25R78	RR2Y	2.50	R	CCB						
Croplan	R2C2263 CK	RR2Y	2.20	R	CMBV						
Dairyland	DSR-2250/R2Y	RR2Y	2.20	MR	CMB						
Dairyland	DSR-2411/R2Y	RR2Y	2.40	S	CMB						
Dairyland	DST24-006/R2Y	RR2Y	2.40	R	CMB						
Dyna-Gro	S22RY64	RR2Y	2.20	MR	CMBV						
Dyna-Gro	S24RY65	RR2Y	2.40	R	CMBV						
FS Hisoy	HS 22A21	RR2Y	2.20	R	CMBV						
FS Hisoy	HS 23A42	RR2Y	2.30	R	ACi						
FS Hisoy	HS 24A42	RR2Y	2.40	R	ACi						
FS Hisoy	HS 24A44	RR2Y	2.40	R	ACi						
Hefty	H23R5	RR2Y	2.30	MR	DST						
Hefty	H24R5	RR2Y	2.40	MR	DST						
Hefty	H25R5	RR2Y	2.50	MR	DST						
Kruger	K2-2201	RR2Y	2.20	R	ACi						
Kruger	K2-2402	RR2Y	2.40	R	ACi						
Kruger	K2-2403	RR2Y	2.40	R	ACi						
Kruger	K2-2503	RR2Y	2.50	R	ACi						
Latham	E2328R2	RR2Y	2.30	R	CCB						
Latham	L2253R2	RR2Y	2.20	R	CCB						
Latham	L2384R2	RR2Y	2.30	R	SS+						
Latham	L2448R2	RR2Y	2.40	R	CCB						
LG Seeds	C2222R2	RR2Y	2.20	R	AC,PV						
LG Seeds	C2441R2	RR2Y	2.40	R	AC,PV						
NK Brand	S24-K2 §	RR2Y	2.40	S	CMBV						
Pfister	22R20	RR2Y	2.20	R	CCB						
Pfister	24R22	RR2Y	2.40	R	CCB						
Pioneer	92Y22 §	RR	2.20	R	EE,G						
Pioneer	P22T69R §	RR	2.20	R	EE,G						
Prairie Brand	PB-2319R2	RR2Y	2.30	R	CMBV						
Prairie Brand	PB-2556R2	RR2Y	2.50	R	CMBV						
Prairie Brand	PB-X14201R2	RR2Y	2.00	R	CMBV						
Renk	RS224NR2	RR2Y	2.20	R	None						
Renk	RS241R2	RR2Y	2.40	S	CMB						
Renze	22R33R2cn	RR2Y	2.20	R	CMB						
Renze	24R25R2cn	RR2Y	2.40	R	CMB						
Stine	22RD00 §	RR2Y	2.20	MR	None						
Titan Pro	22M12	RR2Y	2.20	R	CCB						
Titan Pro	25M22	RR2Y	2.50	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 Syngenta Group Company.
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.