

2014 Soybean Top 30 Harvest Report

Iowa North [IANO] ALGONA
Merlin Eischeid, Kossuth County, IA 50511



PREV. CROP/HERB: Corn / Harness, Roundup
SOIL DESCRIPTION: Nicollet loam, mod. well drained, non-irrigated
SOIL CONDITIONS: High P, high K, 6.8 pH, 3 % OM
TILLAGE/CULTIVATION: Minimum w/ fall till
PEST MANAGEMENT: Matador, Roundup, Select, Warhawk
SEEDED - RATE - ROW: May 19 167,000 /A 15" Spacing
HARVESTED - STAND: Oct 17 154,800 /A

Early-Season Test

1.8 - 2.1 Day RM

S2014IANO02a

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
Pfister	19R24	RR2Y	1.90	R	CCB	62.8	12.4	1	143.3	\$553
Prairie Brand	PB-1947R2	RR2Y	1.90	R	CMBV	61.4	12.4	1	158.8	\$540
Channel	1901R2	RR2Y	1.90	R	ACi	61.3	11.1	1	158.7	\$539
Latham	L1858R2	RR2Y	1.80	R	SS+	61.2	12.5	1	147.1	\$539
FS Hisoy	HS 19A42	RR2Y	1.90	R	ACi	60.2	13.7	1	166.5	\$529
Prairie Brand	PB-1956R2	RR2Y	1.90	R	CMBV	60.0	13.6	1	158.7	\$527
Latham	L2084R2	RR2Y	2.00	R	CCB	59.9	12.5	1	154.9	\$527
Renk	RS213NR2	RR2Y	2.10	R	CMB	59.6	13.5	1	151.0	\$524
Kruger	K2-1801	RR2Y	1.80	R	ACi	59.5	13.7	1	154.9	\$523
Renk	RS195NR2	RR2Y	1.90	R	None	59.4	13.0	1	154.9	\$523
Champion	20R35N	RR2Y	2.00	MR	CMBV	59.4	14.5	1	151.0	\$521
LG Seeds	C2020R2	RR2Y	2.00	R	AC,PV	59.1	13.4	1	135.5	\$520
Kruger	K2-2103	RR2Y	2.10	R	ACi	58.8	14.6	1	151.0	\$516
Kruger	K2-2002	RR2Y	2.00	MR	ACi	58.1	13.5	1	147.1	\$511
SOI	2013NRR2Y	RR2Y	2.00	R	None	57.8	10.2	1	151.0	\$509
NK Brand	S20-T6 §	RR2Y	2.00	MR	CCB	57.8	11.3	1	162.6	\$509
Hefty	H18R5	RR2Y	1.80	MR	DST	57.7	13.6	1	162.6	\$507
Latham	L1968R2	RR2Y	1.90	R	CCB	57.7	14.1	1	135.5	\$506
Asgrow	AG2031 §	RR2Y	2.00	R	ACi	57.5	14.0	1	147.1	\$505
Dyna-Gro	S20RY45	RR2Y	2.00	R	CMBV	57.4	14.1	1	151.0	\$504
Titan Pro	TP-18R24	RR2Y	1.80	R	CCB	57.3	13.8	1	166.5	\$503
LG Seeds	C1899R2	RR2Y	1.80	R	AC,PV	57.2	13.4	1	166.5	\$503
NK Brand	S19-Z9 §	RR2Y	1.90	R	CCB	56.9	11.8	1	151.0	\$501
Dyna-Gro	S20RY94	RR2Y	2.00	R	CMBV	56.6	13.3	1	158.7	\$498
Cornelius	CB20R44	RR2Y	2.00	R	CCB	56.5	13.3	1	154.9	\$497
Prairie Brand	PB-2230R2	RR2Y	2.20	R	CMBV	56.4	12.2	1	170.4	\$496
Cornelius	CB18R52	RR2Y	1.80	R	CCB	56.3	12.0	1	139.4	\$495
Cornelius	CB19R86	RR2Y	1.90	R	CCB	56.1	13.4	1	162.6	\$493
Stine	20RD20 §	RR2Y	2.00	R	None	56.1	13.4	1	151.0	\$493
Renze	20R04R2cn	RR2Y	2.00	R	CMB	56.1	13.4	1	170.4	\$493
Croplan	R2C2263 CK	RR2Y	2.20	R	CMBV	56.4	12.2	1	154.9	\$496

Corey Rozenboom

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

Test Average =	56.7	13.2	1	154.8	\$499
LSD (0.10) =	3.7	1.2	ns		
LSD (0.25) =	2.6	0.9	ns		
C.V. =	4.9	6.8			

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

TEST COMMENTS: This site had plenty of moisture through June, including damaging hail on June 17. The surrounding field suffered 17% damage. Plants recovered well but were shorter than other test sites across northern Iowa. Moderate showers every couple weeks kept these beans going from July through mid-Aug. Internodes were short and pod set excellent but, seed size varied between varieties.

† 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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 SOIL CONDITIONS: High P, high K, 6.8 pH, 3 % OM
 TILLAGE/CULTIVATION: Minimum w/ fall till
 PEST MANAGEMENT: Matador, Roundup, Select, Warhawk
 SEEDED - RATE - ROW: May 19 167,000 /A 15" Spacing
 HARVESTED - STAND: Oct 17 150,400 /A

Full-Season Test

2.2 - 2.5 Day CRM

S2014IANO02b

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
Dairyland	DSR-2411/R2Y	RR2Y	2.40	S	CMB	62.6	13.1	1	158.7	\$551
FS Hisoy	HS 23A42	RR2Y	2.30	R	ACi	59.4	13.6	1	151.0	\$522
Titan Pro	25M22	RR2Y	2.50	R	CCB	59.1	12.5	1	154.9	\$520
Cornelius	CB23R98	RR2Y	2.30	R	CCB	58.6	12.2	1	143.3	\$516
Titan Pro	22M12	RR2Y	2.20	R	CCB	58.0	13.2	1	143.3	\$510
Kruger	K2-2403	RR2Y	2.40	R	ACi	57.6	13.5	1	151.0	\$506
Pfister	24R22	RR2Y	2.40	R	CCB	57.5	13.0	1	151.0	\$506
Dairyland	DST24-006/R2Y	RR2Y	2.40	R	CMB	57.4	12.5	1	154.9	\$505
Titan Pro	TP-23R04	RR2Y	2.30	R	CCB	57.2	12.6	1	135.5	\$503
Prairie Brand	PB-X14201R2	RR2Y	2.00	R	CMBV	57.1	14.9	1	135.5	\$500
Hefty	H23R5	RR2Y	2.30	MR	DST	57.0	12.5	1	135.5	\$502
Latham	E2328R2	RR2Y	2.30	R	CCB	56.4	12.2	1	151.0	\$496
Dyna-Gro	S22RY64	RR2Y	2.20	MR	CMBV	56.4	12.6	1	166.5	\$496
Prairie Brand	PB-2319R2	RR2Y	2.30	R	CMBV	56.3	12.6	1	143.3	\$495
Pioneer	P22T69R §	RR	2.20	R	EE,G	56.2	12.2	1	158.7	\$495
LG Seeds	C2441R2	RR2Y	2.40	R	AC,PV	56.2	13.2	1	147.1	\$494
FS Hisoy	HS 24A42	RR2Y	2.40	R	ACi	55.8	13.8	1	135.5	\$490
Asgrow	AG2433 §	RR2Y	2.40	MR	ACi	55.6	11.6	1	154.9	\$489
Asgrow	AG2232 §	RR2Y	2.20	R	ACi	55.5	13.9	1	147.1	\$487
Hefty	H25R5	RR2Y	2.50	MR	DST	55.4	13.1	1	166.5	\$487
Renk	RS241R2	RR2Y	2.40	S	CMB	55.3	12.9	1	151.0	\$487
Kruger	K2-2201	RR2Y	2.20	R	ACi	55.1	12.7	1	135.5	\$485
Kruger	K2-2402	RR2Y	2.40	R	ACi	55.0	12.6	1	158.8	\$484
Latham	L2384R2	RR2Y	2.30	R	SS+	55.0	13.0	1	135.5	\$484
Channel	2306R2	RR2Y	2.30	R	ACi	54.7	10.8	1	154.9	\$481
Dyna-Gro	S24RY65	RR2Y	2.40	R	CMBV	54.6	12.8	1	158.7	\$480
Viking	2301R2N	RR2Y	2.30	R	None	54.1	12.6	1	143.3	\$476
NK Brand	S24-K2 §	RR2Y	2.40	S	CMBV	52.8	12.6	1	151.0	\$465
Prairie Brand	PB-2556R2	RR2Y	2.50	R	CMBV	52.6	13.1	1	147.1	\$463
Renze	24R25R2cn	RR2Y	2.40	R	CMB	52.5	13.0	1	135.5	\$462
Croplan	R2C2263 CK	RR2Y	2.20	R	CMBV	55.0	12.4	1	147.1	\$484

Test Average =	54.3	12.7	1	150.4	\$478
LSD (0.10) =	3.7	1.2	ns		
LSD (0.25) =	2.6	0.8	ns		
C.V. =	5.0	7.0			

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2014 Soybean - Iowa North [IANO]



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
Asgrow	AG2232 §	RR2Y	2.20	R	ACi	
Asgrow	AG2433 §	RR2Y	2.40	MR	ACi	
Champion	25R95N	RR2Y	2.50	MR	CMBV	
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	
Titan Pro	TP-23R04	RR2Y	2.30	R	CCB	
Titan Pro	TP-24R24	RR2Y	2.40	R	CCB	
Viking	2301R2N	RR2Y	2.30	R	None	

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. VPM maxx® 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®, VPM maxx® 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.