

2014 Soybean Top 30 Harvest Report

Iowa North [IANO] NEW HAMPTON

Mark Bruening, Chickasaw County, IA 50659



Test by: North Iowa F.I.R.S.T., Inc, Sanborn, IA

PREV. CROP/HERB: Corn / Halex GT, Lumax, atrazine
 SOIL DESCRIPTION: Clyde clay loam, well drained, non-irrigated
 SOIL CONDITIONS: High P, high K, 6.8 pH, 4.5 % OM
 TILLAGE/CULTIVATION: No-till
 PEST MANAGEMENT: Fierce, 2,4-D, Roundup, Lorsban
 SEEDED - RATE - ROW: May 21 167,000 /A 15" Spacing
 HARVESTED - STAND: Oct 11 145,600 /A

Early-Season Test

1.8 - 2.1 Day RM

S2014IANO04a

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
LG Seeds	C2020R2	RR2Y	2.00	R	AC,PV	48.7	11.7	0	131.7	\$429
Champion	20R35N	RR2Y	2.00	MR	CMBV	46.7	11.8	0	154.9	\$411
Prairie Brand	PB-1956R2	RR2Y	1.90	R	CMBV	45.1	11.7	0	139.4	\$397
FS Hisoy	HS 19A42	RR2Y	1.90	R	ACi	44.1	11.5	0	139.4	\$388
Dyna-Gro	S20RY45	RR2Y	2.00	R	CMBV	44.0	11.8	0	158.7	\$387
Viking	1909R2N	RR2Y	1.90	R	None	42.8	11.5	0	143.3	\$377
SOI	2097NRR2Y	RR2Y	2.00	R	None	42.8	11.9	0	135.5	\$377
Titan Pro	TP-18R24	RR2Y	1.80	R	CCB	42.4	11.4	0	158.7	\$373
Hefty	H18R5	RR2Y	1.80	MR	DST	42.4	11.5	0	151.0	\$373
Renk	RS195NR2	RR2Y	1.90	R	None	42.0	11.4	0	158.7	\$370
Latham	L1968R2	RR2Y	1.90	R	CCB	42.0	11.6	0	147.1	\$370
Kruger	K2-2103	RR2Y	2.10	R	ACi	41.8	11.7	0	147.1	\$368
Titan Pro	TP-20R44	RR2Y	2.00	R	CCB	41.4	11.6	0	139.4	\$364
Pioneer	P19T01R §	RR	1.90	R	None	41.3	11.8	0	135.5	\$363
Latham	L1858R2	RR2Y	1.80	R	SS+	41.1	11.5	0	147.1	\$362
Prairie Brand	PB-1947R2	RR2Y	1.90	R	CMBV	40.9	11.6	0	162.6	\$360
Viking	2144R2N	RR2Y	2.10	R	CMB	40.9	11.6	0	151.0	\$360
NK Brand	S20-T6 §	RR2Y	2.00	MR	CCB	40.8	11.2	0	139.4	\$359
Kruger	K2-1801	RR2Y	1.80	R	ACi	40.8	11.5	0	143.3	\$359
Kruger	K2-2002	RR2Y	2.00	MR	ACi	40.7	12.6	0	143.3	\$358
Titan Pro	20M1	RR2Y	2.00	R	CCB	40.6	11.1	0	139.4	\$357
Hefty	H20Y12	RR2Y	2.00	MR	DST	40.3	11.0	0	154.9	\$355
Asgrow	AG2031 §	RR2Y	2.00	R	ACi	40.2	11.9	0	154.9	\$354
Cornelius	CB19R86	RR2Y	1.90	R	CCB	40.1	11.7	0	166.5	\$353
Dyna-Gro	S20RY94	RR2Y	2.00	R	CMBV	39.9	11.7	0	154.9	\$351
Cornelius	CB21R24	RR2Y	2.10	R	CCB	39.5	11.6	0	139.4	\$348
Stine	20RD20 §	RR2Y	2.00	R	None	39.4	12.1	0	139.4	\$347
Cornelius	CB20R44	RR2Y	2.00	R	CCB	39.4	12.1	0	143.3	\$347
Titan Pro	TP-21R63	RR2Y	2.10	R	CCB	39.2	11.8	0	135.5	\$345
Renk	RS213NR2	RR2Y	2.10	R	CMB	39.2	12.1	0	131.7	\$345
Croplan	R2C2263 CK	RR2Y	2.20	R	CMBV	36.5	11.3	0	147.1	\$321

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

Test Average =	39.9	11.7	0	145.6	\$351
LSD (0.10) =	2.5	0.4	ns		
LSD (0.25) =	1.7	0.2	ns		
C.V. =	4.6	2.2			

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: Wet early spring weather delayed planting at this no-till site. Big storms in June included 1.2", 2.49", 3.26" and 1.45" rainfall on June 1, 16, 18 and 26, respectively. Flooding was common in nearby fields. Soil saturation for extended periods stunted growth. July rainfall was limited, nearly 3.5" below normal. A Sept 13 morning frost damaged many immature 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.

Additional reports available at www.firstseedtests.com

Report date: 10/13/2014

Revised: 10/18/2014

Pioneer P19T01R omitted from initial report, now ranked 14th

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 SEEDED - RATE - ROW: May 21 167,000 /A 15" Spacing
 HARVESTED - STAND: Oct 11 143,000 /A

Full-Season Test
2.2 - 2.5 Day CRM
 S2014IANO04b

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
Asgrow	AG2232 §	RR2Y	2.20	R	ACi	48.8	12.7	0	143.3	\$429
FS Hisoy	HS 23A42	RR2Y	2.30	R	ACi	44.9	11.6	0	154.9	\$395
Asgrow	AG2433 §	RR2Y	2.40	MR	ACi	44.3	12.5	0	151.0	\$390
Pfister	24R22	RR2Y	2.40	R	CCB	43.9	12.7	0	143.3	\$386
Dairyland	DST24-006/R2Y	RR2Y	2.40	R	CMB	43.8	12.0	0	154.9	\$385
Latham	E2328R2	RR2Y	2.30	R	CCB	43.4	11.4	0	143.3	\$382
Dairyland	DSR-2411/R2Y	RR2Y	2.40	S	CMB	43.4	12.2	0	139.4	\$382
Prairie Brand	PB-X14201R2	RR2Y	2.00	R	CMBV	43.1	11.7	0	139.4	\$379
Renk	RS241R2	RR2Y	2.40	S	CMB	43.0	12.6	0	139.4	\$378
Kruger	K2-2402	RR2Y	2.40	R	ACi	41.5	11.4	0	135.5	\$365
Kruger	K2-2403	RR2Y	2.40	R	ACi	41.4	12.1	0	147.1	\$364
Titan Pro	25M22	RR2Y	2.50	R	CCB	41.2	12.4	0	143.3	\$363
Dyna-Gro	S24RY65	RR2Y	2.40	R	CMBV	40.9	12.5	0	143.2	\$360
Hefty	H23R5	RR2Y	2.30	MR	DST	40.7	12.0	0	131.7	\$358
Kruger	K2-2503	RR2Y	2.50	R	ACi	40.4	13.9	0	147.1	\$355
LG Seeds	C2441R2	RR2Y	2.40	R	AC,PV	40.3	11.6	0	139.4	\$355
Titan Pro	TP-23R04	RR2Y	2.30	R	CCB	40.3	11.7	0	135.5	\$355
Renze	24R25R2cn	RR2Y	2.40	R	CMB	40.1	11.7	0	151.0	\$353
Channel	2306R2	RR2Y	2.30	R	ACi	40.0	11.6	0	147.1	\$352
Viking	2301R2N	RR2Y	2.30	R	None	39.9	11.7	0	131.7	\$351
Prairie Brand	PB-2319R2	RR2Y	2.30	R	CMBV	39.9	11.8	0	135.5	\$351
Titan Pro	22M12	RR2Y	2.20	R	CCB	39.7	11.6	0	139.4	\$349
Pfister	22R20	RR2Y	2.20	R	CCB	39.5	11.4	0	143.3	\$348
Pioneer	P22T69R §	RR	2.20	R	EE,G	39.3	11.6	0	147.1	\$346
Dyna-Gro	S22RY64	RR2Y	2.20	MR	CMBV	38.9	11.5	0	139.4	\$342
Latham	L2384R2	RR2Y	2.30	R	SS+	38.8	12.0	0	143.3	\$341
Hefty	H25R5	RR2Y	2.50	MR	DST	38.8	13.6	0	143.3	\$341
Stine	22RD00 §	RR2Y	2.20	MR	None	38.6	11.6	0	147.1	\$340
Cornelius	CB22R60	RR2Y	2.20	R	CCB	38.5	11.5	0	143.3	\$339
Champion	25R95N	RR2Y	2.50	MR	CMBV	38.5	14.0	0	151.0	\$338
Croplan	R2C2263 CK	RR2Y	2.20	R	CMBV	36.8	11.6	0	131.7	\$324

Corey Rozenboom

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Test Average =	39.6	12.1	0	143.0	\$348
LSD (0.10) =	2.7	0.7	ns		
LSD (0.25) =	1.9	0.5	ns		
C.V. =	5.0	4.3			

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: *Wet early spring weather delayed planting at this no-till site. Big storms in June included 1.2", 2.49", 3.26" and 1.45" rainfall on June 1, 16, 18 and 26, respectively. Flooding was common in nearby fields. Soil saturation for extended periods stunted growth. July rainfall was limited, nearly 3.5" below normal. A Sept 13 morning frost damaged many immature 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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 Report date: 10/13/2014 Revised:

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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						

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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. 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.