

2013 Soybean Top 30 Harvest Report

Iowa North Central [IANC] SHELL ROCK
John Willson, Butler County, IA 50670



PREV. CROP/HERB: Corn / Glyphosate, Atrazine
 SOIL DESCRIPTION: Spillville loam, well drained, non-irrigated
 SOIL CONDITIONS: High P, high K, 6.7 pH, 5% OM,
 TILLAGE/CULTIVATION: Minimum w/ fall till
 PEST MANAGEMENT: OpTill, Glyphosate
 SEEDED - RATE - ROW: Jun 3 155,000 /A 15" Spacing
 HARVESTED - STAND: Oct 15 141,800 /A

Early-Season Test

2.1 - 2.4 Day CRM
S2013IANC26a

Top 30 of 54

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
Channel	2306R2	RR2Y	2.3	R	ACi	53.7	8.2	0	123.9	\$682
Kruger	K2-2201	RR2Y	2.2	R	ACi	51.7	8.2	0	151.0	\$657
Champion	21R34N	RR2Y	2.1	R	CMBV	51.4	8.2	0	123.9	\$653
Pfister	24R29	RR2Y	2.4	R	CMB	51.2	8.2	0	151.0	\$650
LG Seeds	C2333R2	RR2Y	2.3	R	AC,PV	51.1	8.0	0	143.3	\$649
Dyna-Gro	S24RY73	RR2Y	2.4	R	ACi	51.1	8.1	0	143.3	\$649
FS Hisoy	HS 24A32	RR2Y	2.4	R	CMB	50.9	8.3	0	123.9	\$646
Prairie Brand	PB-2468R2	RR2Y	2.3	R	CMBV	50.7	8.2	0	178.1	\$644
Dairyland	DSR-2411/R2Y	RR2Y	2.4	S	CMB,O	50.4	8.1	0	139.4	\$640
Titan Pro	TP-21R63	RR2Y	2.1	MR	CMBV	50.2	8.1	0	151.0	\$638
Prairie Brand	PB-2419RR2	RR2Y	2.3	S	CMBV	50.1	7.9	0	123.9	\$636
Cornelius	CB24R99	RR2Y	2.4	S	None	50.0	8.1	0	158.7	\$635
Titan Pro	22M12	RR2Y	2.2	R	CMBV	49.9	8.4	0	170.4	\$634
Kruger	K2-2402	RR2Y	2.4	R	ACi	49.8	8.2	0	189.7	\$632
Prairie Brand	PB-2351R2	RR2Y	2.3	R	CMBV	49.8	8.4	0	116.2	\$632
SOI	2430RR2Y	RR2Y	2.4	S	CMB	49.4	8.1	0	185.9	\$627
Cornelius	CB22R60	RR2Y	2.2	R	None	49.2	8.1	0	147.1	\$625
Channel	2105R2	RR2Y	2.1	MR	ACi	49.0	8.1	0	108.4	\$622
Dairyland	DSR-2340/R2Y	RR2Y	2.3	MR	CMB,O	48.7	8.3	0	116.2	\$618
Kruger	K2-2301	RR2Y	2.3	S	ACi	48.6	8.1	0	127.8	\$617
Steyer	2202R2	RR2Y	2.2	MR	SStd	48.6	8.2	0	147.1	\$617
Champion	23R73N	RR2Y	2.3	R	CMBV	48.4	8.3	0	151.0	\$615
Champion	24R74N	RR2Y	2.4	R	CMBV	48.4	8.3	0	108.4	\$615
FS Hisoy	HS 24A01	RR2Y	2.4	S	CMB	48.2	8.1	0	162.6	\$612
Hefty	H23R3	RR2Y	2.3	MR	I	48.2	8.4	0	127.8	\$612
Stine	22RD00 §	RR2Y	2.2	MR	CMB	48.1	8.1	0	127.8	\$611
Prairie Brand	PB-2230R2	RR2Y	2.1	R	CMBV	48.1	8.2	0	154.9	\$611
Federal	F224NRR2Y	RR2Y	2.2	R	ACi	47.9	8.1	0	127.8	\$608
Croplan	R2C2200	RR2Y	2.1	R	None	47.8	8.4	0	131.7	\$607
Dairyland	DSR-2250/R2Y	RR2Y	2.2	MR	CMB,O	47.7	8.1	0	123.9	\$606
Latham	L2585R2 CK	RR2Y	2.5	R	SS+	44.5	8.7	0	123.9	\$565

Test Average = **47.7** **8.2** **0** **141.8** **\$606**

LSD (0.10) = 3.2 0.2 ns

C.V. = 5.0 1.9

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

Yield & Income Factors Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Price = \$12.70 Local GMO
n/a Non-GMO

TEST COMMENTS: Chronic wet weather plagued this site into the beginning of June creating challenging conditions for young plants to get established. Septoria brown spot was widespread across all varieties through July. Vegetative growth prior to flowering was limited and internodes were short. Dry weather followed from July into September and reduced seed size. Plant heights ranged from 23" to 35".

† 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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Report date: 10/15/2013 Revised:

2013 Soybean Top 30 Harvest Report

Iowa North Central [IANC] SHELL ROCK
John Willson, Butler County, IA 50670



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

PREV. CROP/HERB: Corn / Glyphosate, Atrazine
SOIL DESCRIPTION: Spillville loam, well drained, non-irrigated
SOIL CONDITIONS: High P, high K, 6.7 pH, 5% OM,
TILLAGE/CULTIVATION: Minimum w/ fall till
PEST MANAGEMENT: OpTill, Glyphosate
SEEDED - RATE - ROW: Jun 3 155,000 /A 15" Spacing
HARVESTED - STAND: Oct 15 158,100 /A

Full-Season Test

2.5 - 2.8 Day CRM
S2013IANC26b

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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
Channel	2706R2	RR2Y	2.7	MR	ACi	51.7	8.1	0	170.4	\$657
Dyna-Gro	S25RY44	RR2Y	2.5	R	ACi	48.7	8.4	0	135.5	\$618
Kruger	K2-2503	RR2Y	2.5	R	ACi	48.1	8.2	0	154.9	\$611
Prairie Brand	PB-2668R2	RR2Y	2.6	R	CMBV	48.0	8.3	0	158.8	\$610
Asgrow	AG2632 §	RR2Y	2.6	MR	AC	48.0	8.4	0	162.6	\$610
Steyer	2702R2	RR2Y	2.7	MR	SStd	47.9	8.2	0	185.9	\$608
Hefty	H26R3	RR2Y	2.6	MR	I	47.7	8.3	0	131.6	\$606
Kruger	K2-2602	RR2Y	2.6	MR	ACi	47.7	8.5	0	139.4	\$606
Pioneer	P28T33R §	RR	2.8	R	EE,G	47.3	8.2	0	174.2	\$601
FS Hisoy	HS 28A02	RR2Y	2.8	R	CMB	47.3	8.6	0	154.9	\$601
Dairyland	DSR-2612/R2Y	RR2Y	2.6	R	CMB,O	47.2	9.3	0	127.8	\$599
NuTech/G2 Gen	7261 ^	RR	2.6	R	SCE	47.0	8.4	0	182.0	\$597
Kruger	K2-2704	RR2Y	2.7	R	ACi	46.9	9.7	0	154.9	\$596
FS Hisoy	HS 25A22	RR2Y	2.5	R	CMB	46.7	8.3	0	158.8	\$593
Steyer	2603R2	RR2Y	2.6	MR	SStd	46.3	8.4	0	158.8	\$588
FS Hisoy	HS 28A32	RR2Y	2.8	R	CMB	45.8	8.2	0	147.1	\$582
NK Brand	S25-E5	RR2Y	2.5	R	CMBV	45.5	8.2	0	154.9	\$578
Steyer	2501R2	RR2Y	2.5	MR	SStd	45.5	8.5	0	170.4	\$578
Great Lakes	GL2829R2	RR2Y	2.8	R	AC,PV	45.4	8.2	0	154.9	\$577
Stine	26RD02 §	RR2Y	2.6	R	CMB	45.2	8.2	0	123.9	\$574
Champion	26R83N	RR2Y	2.6	R	CMBV	45.1	8.3	0	166.5	\$573
Cornelius	CB27R83	RR2Y	2.7	R	None	45.1	9.2	0	166.5	\$573
NuTech/G2 Gen	7273 ^	RR	2.7	R	SCE	44.9	8.6	0	170.4	\$570
Prairie Brand	PB-2886R2	RR2Y	2.8	R	CMBV	44.7	8.5	0	162.6	\$568
Prairie Brand	PB-2506R2	RR2Y	2.5	R	CMBV	44.6	8.7	0	166.5	\$566
Kruger	K2-2803	RR2Y	2.8	R	ACi	44.6	8.7	0	108.4	\$566
SOI	2520SRR2Y	RR2Y	2.5	S	None	44.6	8.8	0	158.8	\$566
Titan Pro	27M32	RR2Y	2.7	R	CMBV	44.5	8.2	0	143.3	\$565
Pioneer	92Y51 §	RR	2.5	R	None	44.3	8.6	0	166.5	\$563
LG Seeds	C2672R2	RR2Y	2.6	R	AC,PV	44.3	9.1	0	123.9	\$563
Latham	L2585R2 CK	RR2Y	2.5	R	SS+	42.4	8.8	0	182.0	\$538

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Test Average = **45.2** **8.5** **0** **158.1** **\$574**
LSD (0.10) = 3.4 0.4 ns
C.V. = 5.6 3.9

Yield & Income Factors Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Price = \$12.70 Local GMO
n/a Non-GMO

TEST COMMENTS: Chronic wet weather plagued this site into the beginning of June creating challenging conditions for young plants to get established. Septoria brown spot was widespread across all varieties through July. Vegetative growth prior to flowering was limited and internodes were short. Dry weather followed from July into September and reduced seed size. Plant heights ranged from 23" to 35".

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Report date: 10/15/2013 Revised:

Early-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Asgrow	AG2232 §	RR2Y	2.2	R	ACi	Renk	RS244NR2	RR2Y	2.4	R	None
Asgrow	AG2433 §	RR2Y	2.4	MR	AC	SOI	2430RR2Y	RR2Y	2.4	S	CMB
Champion	21R34N	RR2Y	2.1	R	CMBV	Steyer	2202R2	RR2Y	2.2	MR	SStd
Champion	23R73N	RR2Y	2.3	R	CMBV	Stine	22RD00 §	RR2Y	2.2	MR	CMB
Champion	24R74N	RR2Y	2.4	R	CMBV	Stine	24RD03 §	RR2Y	2.4	MR	CMB
Channel	2105R2	RR2Y	2.1	MR	ACi	Titan Pro	22M12	RR2Y	2.2	R	CMBV
Channel	2207R2	RR2Y	2.2	R	ACi	Titan Pro	23M9	RR2Y	2.3	S	CMBV
Channel	2306R2	RR2Y	2.3	R	ACi	Titan Pro	TP-21R63	RR2Y	2.1	MR	CMBV
Channel	2402R2	RR2Y	2.4	S	ACi	Titan Pro	TP-22R13	RR2Y	2.2	R	CMBV
Cornelius	CB22R60	RR2Y	2.2	R	None						
Cornelius	CB24R71	RR2Y	2.4	R	None						
Cornelius	CB24R99	RR2Y	2.4	S	None						
Croplan	R2C2200	RR2Y	2.1	R	None						
Dairyland	DSR-2250/R2Y	RR2Y	2.2	MR	CMB,O						
Dairyland	DSR-2340/R2Y	RR2Y	2.3	MR	CMB,O						
Dairyland	DSR-2411/R2Y	RR2Y	2.4	S	CMB,O						
Dyna-Gro	S24RY73	RR2Y	2.4	R	ACi						
Federal	F224NRR2Y	RR2Y	2.2	R	ACi						
Federal	F243NRR2Y	RR2Y	2.4	R	ACi						
FS Hisoy	HS 22A21	RR2Y	2.2	R	CMB						
FS Hisoy	HS 24A01	RR2Y	2.4	S	CMB						
FS Hisoy	HS 24A32	RR2Y	2.4	R	CMB						
Great Lakes	GL2289R2	RR2Y	2.2	R	AC,PV						
Hefty	H21Y11	RR2Y	2.1	MR	I						
Hefty	H23R3	RR2Y	2.3	MR	I						
Kruger	K2-2201	RR2Y	2.2	R	ACi						
Kruger	K2-2301	RR2Y	2.3	S	ACi						
Kruger	K2-2303	RR2Y	2.3	MR	ACi						
Kruger	K2-2402	RR2Y	2.4	R	ACi						
Latham	L2585R2 CK	RR2Y	2.5	R	SS+						
LG Seeds	C2222R2	RR2Y	2.2	R	AC,PV						
LG Seeds	C2333R2	RR2Y	2.3	R	AC,PV						
NK Brand	S22-F8 §	RR2Y	2.2	S	CMBV						
NK Brand	S22-S1 §	RR2Y	2.2	R	CMBV						
NK Brand	S24-K2 §	RR2Y	2.4	S	CMBV						
NuTech/G2 Gen	7213^	RR	2.1	R	SCE						
NuTech/G2 Gen	7240^	RR	2.4	R	SCE						
Pfister	22R20	RR2Y	2.2	R	None						
Pfister	24R29	RR2Y	2.4	R	CMB						
Pioneer	92Y30 §	RR	2.3	R	None						
Prairie Brand	PB-2230R2	RR2Y	2.1	R	CMBV						
Prairie Brand	PB-2351R2	RR2Y	2.3	R	CMBV						
Prairie Brand	PB-2419RR2	RR2Y	2.3	S	CMBV						
Prairie Brand	PB-2468R2	RR2Y	2.3	R	CMBV						
Prairie Brand	X13241R2	RR2Y	2.3	R	CMBV						

2013 Soybean - Iowa North Central [IANC]



Full-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Asgrow	AG2632 §	RR2Y	2.6	MR	AC						
Champion	26R83N	RR2Y	2.6	R	CMBV						
Channel	2605R2	RR2Y	2.6	R	ACi						
Channel	2706R2	RR2Y	2.7	MR	ACi						
Cornelius	CB26R37	RR2Y	2.6	R	None						
Cornelius	CB27R83	RR2Y	2.7	R	None						
Curry	1252	RR	2.5	R	?						
Dairyland	DSR-2612/R2Y	RR2Y	2.6	R	CMB,O						
Dyna-Gro	S25RY44	RR2Y	2.5	R	ACi						
Dyna-Gro	S27RY03	RR2Y	2.7	R	ACi						
FS Hisoy	HS 25A22	RR2Y	2.5	R	CMB						
FS Hisoy	HS 26A32	RR2Y	2.6	R	CMB						
FS Hisoy	HS 28A02	RR2Y	2.8	R	CMB						
FS Hisoy	HS 28A32	RR2Y	2.8	R	CMB						
Great Lakes	GL2829R2	RR2Y	2.8	R	AC,PV						
Hefty	H25Y12	RR2Y	2.5	MR	I						
Hefty	H26R3	RR2Y	2.6	MR	I						
Kruger	K2-2503	RR2Y	2.5	R	ACi						
Kruger	K2-2602	RR2Y	2.6	MR	ACi						
Kruger	K2-2704	RR2Y	2.7	R	ACi						
Kruger	K2-2803	RR2Y	2.8	R	ACi						
Latham	L2585R2 CK	RR2Y	2.5	R	SS+						
LG Seeds	C2672R2	RR2Y	2.6	R	AC,PV						
LG Seeds	C2835R2	RR2Y	2.8	R	AC,PV						
NK Brand	S25-E5	RR2Y	2.5	R	CMBV						
NuTech/G2 Gen	7250^	RR	2.5	R	SCE						
NuTech/G2 Gen	7261^	RR	2.6	R	SCE						
NuTech/G2 Gen	7273^	RR	2.7	R	SCE						
NuTech/G2 Gen	7286^	RR	2.8	R	SCE						
Pfister	28R21	RR2Y	2.8	R	CMB						
Pioneer	92Y51 §	RR	2.5	R	None						
Pioneer	P28T33R §	RR	2.8	R	EE,G						
Prairie Brand	PB-2506R2	RR2Y	2.5	R	CMBV						
Prairie Brand	PB-2668R2	RR2Y	2.6	R	CMBV						
Prairie Brand	PB-2886R2	RR2Y	2.8	R	CMBV						
Renk	RS283NR2	RR2Y	2.8	R	None						
SOI	2520SRR2Y	RR2Y	2.5	S	None						
Steyer	2501R2	RR2Y	2.5	MR	SStd						
Steyer	2603R2	RR2Y	2.6	MR	SStd						
Steyer	2702R2	RR2Y	2.7	MR	SStd						
Stine	26RD02 §	RR2Y	2.6	R	CMB						
Titan Pro	27M32	RR2Y	2.7	R	CMBV						

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 is distributed by Beck's Superior Hybrids. Curry®, G2®, HPT®, RPM®, Supreme EX®, VPMaxx® 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	Gaucho®
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.