

**2016 Soybean Top 30 Harvest Report**  
 Iowa North Central [ IANC ] WATERLOO  
 Rottinghaus Farms, Black Hawk County, IA 50703



PREV. CROP/HERB: Corn / Corvus  
 SOIL DESCRIPTION: Marquis-Readlyn silty clay loam, mod. well drained, non-irrigated  
 SOIL CONDITIONS: High P, high K, 6.2 pH, 4.5 % OM  
 TILLAGE/CULTIVATION: No-till  
 PEST MANAGEMENT: Fierce, Roundup, Fusilade DX  
 SEEDING - RATE - ROW: May 20 155,000 /A 30" Spacing  
 HARVESTED - STAND: Oct 14 143,100 /A

**Early-Season Test**  
**Maturity Group 2.1 - 2.4**  
 S2016IANC04a

**Top 30 of 54**  
 For Gross Income (Sorted by Yield)  
 Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Seed Trt.†	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income
Latham	L2228R2	RR2Y	2.2	R	CCB,Me	<b>61.6</b>	13.3	4	144.7	\$539
Prairie Brand	PB-2024R2	RR2Y	2.1	R	CCB,In	<b>61.5</b>	14.2	4	144.7	\$537
NorthStar	NS 2362NR2	RR2Y	2.3	R	CMBV	<b>61.0</b>	14.1	4	144.7	\$532
Champion	24R87N	RR2Y	2.4	R	AC,PV	<b>59.9</b>	13.8	4	141.2	\$523
Renk	RS213NR2	RR2Y	2.1	R	CMBV	<b>59.8</b>	14.0	4	148.1	\$522
Pfister	21R205	RR2Y	2.1	R	CCB	<b>58.8</b>	13.8	4	144.7	\$514
Pioneer	P22T73R §	RR	2.2	R	EE,G	<b>58.8</b>	13.8	4	146.4	\$514
FS HiSoy	HS 23X60	RRX	2.3	R	ACi,Ci	<b>58.7</b>	13.4	4	142.9	\$513
Kruger	K2-2103	RR2Y	2.1	R	ACi	<b>58.4</b>	13.5	4	144.7	\$510
Channel	2108R2	RR2Y	2.1	R	ACi	<b>58.2</b>	13.7	4	148.1	\$508
Champion	21X77N	RRX	2.1	R	AC,PV	56.9	13.0	4	142.9	\$498
FS HiSoy	HS 23A42	RR2Y	2.3	R	ACi	56.8	13.8	4	141.2	\$496
LG Seeds	C2126RX	RRX	2.1	R	CCB	56.7	13.1	4	142.9	\$496
NorthStar	NS 62002N XR2	RRX	2.0	R	CMBV	56.5	13.1	4	141.3	\$494
Pfister	21R203	RR2Y	2.1	R	CCB	56.3	13.8	4	148.1	\$492
Latham	L2184R2X	RRX	2.1	R	SS	56.1	13.0	4	139.5	\$491
Renk	RS246NR2	RR2Y	2.4	R	CMBV	55.7	14.3	4	142.9	\$486
Prairie Brand	PB-2486R2	RR2Y	2.4	R	CCB,In	55.6	13.9	4	142.9	\$485
Steyer	2102R2	RR2Y	2.1	MR	SStd	55.4	14.0	4	142.9	\$484
Steyer	2103XR	RRX	2.1	MR	SStd	55.3	12.8	4	139.5	\$484
Jacobsen Seed	J740NR2	RR2Y	2.0	R	AC,IL,PV	55.3	14.2	4	142.9	\$483
Pfister	24R201	RR2Y	2.4	R	CCB	54.8	13.8	4	144.7	\$479
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	CMB	54.8	14.1	4	146.4	\$478
Hefty	H24X6	RRX	2.4	MR	DST	54.6	13.8	4	146.4	\$477
Cornelius	CB24R82	RR2Y	2.4	R	CMBV,IL	54.5	14.1	4	141.2	\$476
Titan Pro	TP-24R26	RR2Y	2.4	R	IS	54.4	13.7	4	144.7	\$475
Champion	20R35N	RR2Y	2.0	R	AC,PV	54.4	13.9	4	139.5	\$475
Channel	2306R2	RR2Y	2.3	R	ACi	54.3	13.6	4	142.9	\$474
Latham	L2482R2	RR2Y	2.4	R	CCB,Me	54.2	13.9	4	142.9	\$473
Stine	24RH62 §	RR2Y	2.4	R	SFI	54.2	14.0	4	146.4	\$473
Croplan	R2C2450 CK	RR2Y	2.4	R	WCX	55.4	13.4	4	142.9	\$484

*Corey Rozenboom*

Corey Rozenboom  
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Averages =	<b>54.3</b>	<b>13.6</b>	<b>4</b>	<b>143.1</b>	<b>\$474</b>
LSD (0.10) =	3.3	0.6	ns		
LSD (0.25) =	2.3	0.4	ns		
C.V. =	4.5			Prev. years avg. yield, 56.7 bu/a, 1 yr	

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.75 GMO; \$8.75 non-GMO

**TEST COMMENTS:** *This field was saturated for much of the season. There were 8 separate weather systems that brought over 1" rain to this site from planting to R6 (full seed). While the field drains moderately well, rooting systems were challenged with the excess water. Plants were short at harvest and pods were set close to the soil surface. Season rainfall, from planting through R6 (aug 10), was 5.3" above normal.*

† 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](http://www.firstseedtests.com)

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Report Date: 10/16/2016

Revised: 10/17/2016

Final stand data revised, originally half of actual value

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SOIL CONDITIONS: High P, high K, 6.2 pH, 4.5 % OM  
TILLAGE/CULTIVATION: No-till  
PEST MANAGEMENT: Fierce, Roundup, Fusilade DX  
SEEDED - RATE - ROW: May 20 155,000 /A 30" Spacing  
HARVESTED - STAND: Oct 14 146,100 /A

**Full-Season Test**  
**Maturity Group 2.5 - 2.8**  
S2016IANC04b

**Top 30 of 42**  
For Gross Income (Sorted by Yield)  
Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Seed Trt.†	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income
Latham	L2758R2	RR2Y	2.7	R	CCB,Me	<b>61.2</b>	13.4	4	148.1	\$535
Asgrow	AG2636 §	RR2Y	2.6	R	ACi	<b>59.7</b>	13.5	4	146.4	\$522
LG Seeds	C2520R2	RR2Y	2.5	R	CCB	<b>59.2</b>	14.0	4	146.4	\$517
NK Brand	S26-P3 §	RR2Y	2.6	MR	CCB,Me	<b>59.0</b>	14.5	4	146.4	\$514
Asgrow	AG2836 §	RR2Y	2.8	R	ACi	<b>58.6</b>	13.2	4	146.4	\$513
FS HiSoy	HS 28X50	RRX	2.8	R	ACi	56.7	13.7	4	149.8	\$495
Latham	L2645R2	RR2Y	2.6	MR	CCB,Me	56.5	13.7	4	148.1	\$494
Jacobsen Seed	J847NR2	RR2Y	2.8	R	AC,IL,PV	56.5	14.1	4	142.9	\$493
Jacobsen Seed	J858NR2X	RRX	2.8	R	AC,IL,PV	56.1	13.5	4	141.2	\$490
Latham	L2859R2X	RRX	2.8	R	CCB,Me	55.9	13.8	4	148.1	\$488
Cornelius	CB28R58	RR2Y	2.8	R	CMBV,IL	55.7	13.3	4	144.7	\$487
Steyer	2805R2	RR2Y	2.8	MR	SStd	55.6	13.4	4	148.1	\$486
Prairie Brand	PB-2997R2	RR2Y	2.8	R	CCB,In	55.5	13.5	4	148.1	\$485
Renk	RS265NR2	RR2Y	2.6	MR	CMBV	55.2	13.5	4	146.4	\$482
FS HiSoy	HS 27X60	RRX	2.7	R	ACi,CI	55.2	13.5	4	144.7	\$482
Renk	RS276NX	RRX	2.8	R	AM	55.0	13.6	4	148.1	\$481
Steyer	2806XR	RRX	2.8	MR	SStd	55.0	13.8	4	144.7	\$480
Hefty	H27X6	RRX	2.7	MR	None	54.8	13.7	4	146.4	\$479
Hefty	H28X6	RRX	2.8	MR	DST	54.5	13.1	4	149.8	\$477
Cornelius	CB28X73	RRX	2.8	R	CMBV,IL	54.4	13.7	4	142.9	\$475
Titan Pro	TP-28X45	RRX	2.8	R	IS	54.3	13.9	4	146.4	\$474
LG Seeds	C2890R2	RR2Y	2.8	R	CCB	54.1	13.8	4	144.7	\$473
Kruger	K2-2603	RR2Y	2.6	MR	ACi	53.6	13.7	11	146.4	\$468
FS HiSoy	HS 28A42	RR2Y	2.8	R	ACi,CI	53.2	13.3	4	148.1	\$465
Titan Pro	TP-26X16	RRX	2.6	R	IS	53.0	12.6	4	142.9	\$464
Latham	L2884R2	RR2Y	2.8	R	CCB	53.0	13.0	4	148.1	\$464
Jacobsen Seed	J856R2	RR2Y	2.6	MR	AC,IL,PV	53.0	13.6	4	146.4	\$463
NK Brand	S28-N6 §	RR2Y	2.8	R	CCB,Me	52.8	14.1	4	149.8	\$461
Cornelius	CB27X27	RRX	2.7	R	CMBV,IL	52.7	13.2	4	141.2	\$461
Titan Pro	TP-26R35	RR2Y	2.6	MR	IS	52.4	13.7	4	142.9	\$458
Croplan	R2C2450 CK	RR2Y	2.4	R	WCX	56.3	13.6	4	142.9	\$492

*Corey Rozenboom*

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Averages =	<b>54.1</b>	<b>13.7</b>	<b>4</b>	<b>146.1</b>	<b>\$473</b>
LSD (0.10) =	2.9	0.6	ns		
LSD (0.25) =	2.0	0.4	ns		
C.V. =	4.0			Prev. years avg. yield, 56.7 bu/a, 1 yr	

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.75 GMO; \$8.75 non-GMO

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Report Date: 10/16/2016 Revised: 10/17/2016

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Final stand data revised, originally half of actual value

**2016 Soybean - Iowa North Central [ IANC ]**

**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	AG24X7 §	RRX	2.4	R	ACi	Renk	RS246NR2	RR2Y	2.4	R	CMBV
Champion	20R35N	RR2Y	2.0	R	AC,PV	Steyer	2102R2	RR2Y	2.1	MR	SStd
Champion	21X77N	RRX	2.1	R	AC,PV	Steyer	2103XR	RRX	2.1	MR	SStd
Champion	22R86N	RR2Y	2.2	R	AC,PV	Stine	24RE03 §	RR2Y	2.4	MR	SFI
Champion	24R87N	RR2Y	2.4	R	AC,PV	Stine	24RH62 §	RR2Y	2.4	R	SFI
Channel	2108R2	RR2Y	2.1	R	ACi	Titan Pro	TP-21R55	RR2Y	2.1	R	IS
Channel	2306R2	RR2Y	2.3	R	ACi	Titan Pro	TP-21X46	RRX	2.1	R	None
Cornelius	CB22R34	RR2Y	2.2	R	CMBV,IL	Titan Pro	TP-23X76	RRX	2.3	R	IS
Cornelius	CB23X45	RRX	2.3	R	ACi	Titan Pro	TP-24R26	RR2Y	2.4	R	IS
Cornelius	CB24R82	RR2Y	2.4	R	CMBV,IL						
Croplan	R2C2450 CK	RR2Y	2.4	R	WCX						
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	CMB						
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	CMB						
FS HiSoy	HS 21X60	RRX	2.1	R	ACi,Ci						
FS HiSoy	HS 23A42	RR2Y	2.3	R	ACi						
FS HiSoy	HS 23X60	RRX	2.3	R	ACi,Ci						
Hefty	H21X6	RRX	2.1	MR	DST						
Hefty	H23X7	RRX	2.3	S	DST						
Hefty	H24X6	RRX	2.4	MR	DST						
Jacobsen Seed	J740NR2	RR2Y	2.0	R	AC,IL,PV						
Jacobsen Seed	J761NR2X	RRX	2.1	R	AC,IL,PV						
Jacobsen Seed	J764NR2	RR2Y	2.4	R	AC,IL,PV						
Kruger	K2-2103	RR2Y	2.1	R	ACi						
Latham	L2184R2X	RRX	2.1	R	SS						
Latham	L2228R2	RR2Y	2.2	R	CCB,Me						
Latham	L2454R2X	RRX	2.4	S	CCB,Me						
Latham	L2482R2	RR2Y	2.4	R	CCB,Me						
LG Seeds	C2126RX	RRX	2.1	R	CCB						
LG Seeds	C2441R2	RR2Y	2.4	R	CCB						
NK Brand	S21-M7 §	RR2Y	2.1	R	CCB,Me						
NorthStar	NS 2282NR2	RR2Y	2.2	R	CMBV						
NorthStar	NS 2362NR2	RR2Y	2.3	R	CMBV						
NorthStar	NS 62002NXR2	RRX	2.0	R	CMBV						
NorthStar	NS 62332NXR2	RRX	2.3	R	CMBV						
Pfister	21R203	RR2Y	2.1	R	CCB						
Pfister	21R205	RR2Y	2.1	R	CCB						
Pfister	24R201	RR2Y	2.4	R	CCB						
Pioneer	P20T79R2 §	RR2Y	2.0	R	None						
Pioneer	P22T41R2 §	RR2Y	2.2	R	EE,G						
Pioneer	P22T73R §	RR	2.2	R	EE,G						
Prairie Brand	PB-2024R2	RR2Y	2.1	R	CCB,In						
Prairie Brand	PB-2296R2	RR2Y	2.2	R	CCB,In						
Prairie Brand	PB-2486R2	RR2Y	2.4	R	CCB,In						
Renk	RS213NR2	RR2Y	2.1	R	CMBV						
Renk	RS237X	RRX	2.3	S	CMB						

2016 Soybean - Iowa North Central [ IANC ]

Full-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Asgrow	AG2636 §	RR2Y	2.6	R	ACi
Asgrow	AG2836 §	RR2Y	2.8	R	ACi
Cornelius	CB26R30	RR2Y	2.6	MR	CMBV,IL
Cornelius	CB27X27	RRX	2.7	R	CMBV,IL
Cornelius	CB28R58	RR2Y	2.8	R	CMBV,IL
Cornelius	CB28X73	RRX	2.8	R	CMBV,IL
Croplan	R2C2450 CK	RR2Y	2.4	R	WCX
Dairyland	DSR-2707/R2Y	RR2Y	2.7	MR	CMB
FS HiSoy	HS 26X60	RRX	2.6	R	ACi,Ci
FS HiSoy	HS 27X60	RRX	2.7	R	ACi,Ci
FS HiSoy	HS 28A42	RR2Y	2.8	R	ACi,Ci
FS HiSoy	HS 28X50	RRX	2.8	R	ACi
Hefty	H25X7	RRX	2.5	MR	DST
Hefty	H26X7	RRX	2.6	MR	DST
Hefty	H27X6	RRX	2.7	MR	None
Hefty	H28X6	RRX	2.8	MR	DST
Jacobsen Seed	J847NR2	RR2Y	2.8	R	AC,IL,PV
Jacobsen Seed	J856R2	RR2Y	2.6	MR	AC,IL,PV
Jacobsen Seed	J858NR2X	RRX	2.8	R	AC,IL,PV
Kruger	K2-2603	RR2Y	2.6	MR	ACi
Kruger	K2-2803	RR2Y	2.8	R	ACi
Latham	L2645R2	RR2Y	2.6	MR	CCB,Me
Latham	L2758R2	RR2Y	2.7	R	CCB,Me
Latham	L2859R2X	RRX	2.8	R	CCB,Me
Latham	L2884R2	RR2Y	2.8	R	CCB
LG Seeds	C2520R2	RR2Y	2.5	R	CCB
LG Seeds	C2890R2	RR2Y	2.8	R	CCB
NK Brand	S26-P3 §	RR2Y	2.6	MR	CCB,Me
NK Brand	S28-N6 §	RR2Y	2.8	R	CCB,Me
Pfister	26R204	RR2Y	2.6	R	CCB
Pfister	28R202	RR2Y	2.8	R	CCB
Prairie Brand	PB-2576R2	RR2Y	2.5	R	CCB,In
Prairie Brand	PB-2876R2	RR2Y	2.8	R	CCB,In
Prairie Brand	PB-2997R2	RR2Y	2.8	R	CCB,In
Renk	RS265NR2	RR2Y	2.6	MR	CMBV
Renk	RS276NX	RRX	2.8	R	AM
Steyer	2805R2	RR2Y	2.8	MR	SStd
Steyer	2806XR	RRX	2.8	MR	SStd
Stine	28RH02 §	RR2Y	2.8	R	SFI
Titan Pro	TP-26R35	RR2Y	2.6	MR	IS
Titan Pro	TP-26X16	RRX	2.6	R	IS
Titan Pro	TP-28X45	RRX	2.8	R	IS

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt

## Footnotes and Abbreviation Descriptions

### Brand Footnotes

^	G2® brand seed is distributed by NuTech Seed, LLC. RPM® brand seed is distributed by Doeblers PA Hybrids, Inc. Supreme EX® brand seed is distributed by Seed Consultants, Inc. VPMaxx® brand seed is distributed by AgVenture, Inc. XL® 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 FIRST when space permits.
§	United Soybean Board sponsored entry

### Soybean Technologies

LL	LibertyLink®
None	Conventional, non-GMO
P	Plenish®
RR	glyphosate tolerant
RR2Y	Genuity® Roundup Ready 2 Yield®
RRX	Genuity® Roundup Ready 2 Xtend®
ST	sulfonylurea tolerant

### Soybean Cyst Nematode (SCN) Resistance Rating

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

### Soybean Seed Treatments\*

n/a	info unavailable	IL	ILeVO®
AC	Acceleron® fungicide products	In	Intego™ Solo
ACi	Acceleron® fungicide and insecticide products	IS	Intego™ Suite
AG	ArmourGuard™	MAG	Maximum ArmourGuard™
AM	ApronMaxx®	Me	Mertect®
AVB	Avicta® Complete Beans	Mg	Magnum ST™ (standard)
CCB	Clariva™ Complete Beans	NCFI	N-Compass™ Plus F/I
CI	Clariva™ pn	None	untreated
CMB	CruiserMaxx® Beans	PV	Poncho®/Votivo®
CMBV	CruiserMaxx® Beans with Vibrance	SDPI	Servo™ DPI
DPHB	DPH Boost®	SFI	Stine XP fungicide & insecticide
DST	Dominance™ ST	SS	Soyshield™
DX	Defend™ Extra	SS+	Soyshield Plus™
EE	Evergol™ Energy	SStd	SureStand™
En	Encase®	TE	Trius™ Elite
G	Gaucho®	WCX	Warden® CX
Gr+	Great Start™ Max Plus		

\* Seed treatments may include unspecified plant health promoting components.