

2016 Soybean Top 30 Harvest Report

Iowa Northwest [IANW] HARTLEY
Clint Van Beek, O'Brien County, IA 51346



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

PREV. CROP/HERB: Corn / Balance Flexx, Callisto, Roundup
SOIL DESCRIPTION: Sac silty clay loam, well drained, non-irrigated
SOIL CONDITIONS: Mod. High P, mod. high K, 6.3 pH, 3.9 % OM
TILLAGE/CULTIVATION: Conventional w/o fall till
PEST MANAGEMENT: Authority, Flexstar, Roundup, Tundra
SEEDED - RATE - ROW: May 21 155,000 /A 15" Spacing
HARVESTED - STAND: Oct 10 146,800 /A

Early-Season Test
Maturity Group 2.1 - 2.4
S2016IANW02a

Top 30 of 48
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
Titan Pro	TP-21R55	RR2Y	2.1	R	IS	76.2	11.8	0	146.4	\$667
Federal	F226NRR2Y	RR2Y	2.2	R	MAG	75.8	11.7	0	146.4	\$663
Pfister	21R203	RR2Y	2.1	R	CCB	75.5	12.0	8	146.4	\$661
Latham	L2184R2X	RRX	2.1	R	SS	75.2	11.7	0	142.9	\$658
Champion	21X77N	RRX	2.1	R	AC,PV	75.1	11.6	3	146.4	\$657
Channel	2306R2	RR2Y	2.3	R	ACi	74.9	11.7	0	148.1	\$655
NorthStar	NS 62002NXR2	RRX	2.0	R	CMBV	74.6	11.8	0	144.7	\$653
Pioneer	P20T79R2 §	RR2Y	2.0	R	None	74.4	11.6	0	146.4	\$651
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	CMB	74.1	12.0	0	144.7	\$648
Titan Pro	TP-21X46	RRX	2.1	R	None	73.6	11.6	0	144.7	\$644
Asgrow	AG24X7 §	RRX	2.4	R	ACi	73.4	11.8	0	146.4	\$642
Jacobsen Seed	J761NR2X	RRX	2.1	R	AC,IL,PV	72.9	11.4	0	146.4	\$638
Pioneer	P22T73R §	RR	2.2	R	EE,G	72.8	11.9	0	144.7	\$637
Latham	L2454R2X	RRX	2.4	S	CCB,Me	72.5	11.6	0	148.1	\$634
Latham	L2128R2	RR2Y	2.1	R	CCB,Me	72.4	11.6	0	146.4	\$634
Kruger	K2-2103	RR2Y	2.1	R	ACi	71.0	11.7	0	146.4	\$621
LG Seeds	C2126RX	RRX	2.1	R	CCB	70.9	11.6	0	148.1	\$620
Renk	RS237X	RRX	2.3	S	CMB	70.9	11.6	12	148.1	\$620
Champion	24R87N	RR2Y	2.4	R	AC,PV	70.8	11.8	0	144.7	\$620
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	CMB	70.8	12.1	0	149.8	\$620
Titan Pro	TP-24R26	RR2Y	2.4	R	IS	70.8	12.0	3	148.1	\$620
Pfister	21R205	RR2Y	2.1	R	CCB	70.4	11.8	0	148.1	\$616
NorthStar	NS 2362NR2	RR2Y	2.3	R	CMBV	70.2	11.7	0	149.8	\$614
Prairie Brand	PB-2486R2	RR2Y	2.4	R	CCB,In	70.2	11.8	0	146.4	\$614
Hefty	H23X7	RRX	2.3	S	DST	70.2	11.8	16	141.2	\$614
Channel	2108R2	RR2Y	2.1	R	ACi	69.9	11.7	0	148.1	\$612
Pfister	24R201	RR2Y	2.4	R	CCB	69.8	11.8	0	148.1	\$611
Stine	24RH62 §	RR2Y	2.4	R	SFI	69.8	12.0	0	148.1	\$611
Champion	20R35N	RR2Y	2.0	R	AC,PV	69.6	12.5	0	148.1	\$609
Prairie Brand	PB-2296R2	RR2Y	2.2	R	CCB,In	69.6	11.7	5	146.4	\$609
Croplan	R2C2450 CK	RR2Y	2.4	R	WCX	67.0	12.0	0	146.4	\$586

Corey Rozenboom
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Averages =	70.5	11.8	2	146.8	\$617
LSD (0.10) =	4.0	ns	ns		
LSD (0.25) =	2.8	ns	ns		
C.V. =	4.2			Prev. years avg. yield, 55.4 bu/a, 4 yrs	

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

TEST COMMENTS: *A wet spring delayed soybean planting in this area of northwest Iowa. Late May plantings were typical however quick emergence resulted in very good stands. The regular pattern of showers through the season produced excellent yields given the late planting. Seasonal rainfall totals from planting through R6 on Aug 10 ended at about 1.7" above the 30-yr average for this area.*

† 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: 10/11/2016 Revised:

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TILLAGE/CULTIVATION: Conventional w/o fall till
PEST MANAGEMENT: Authority, Flexstar, Roundup, Tundra
SEEDED - RATE - ROW: May 21 155,000 /A 15" Spacing
HARVESTED - STAND: Oct 10 147,600 /A

Full-Season Test
Maturity Group 2.5 - 2.8
S2016IANW02b

Top 30 of 36
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	L2884R2	RR2Y	2.8	R	CCB	73.3	12.3	0	149.8	\$641
FS HiSoy	HS 28X50	RRX	2.8	R	ACi	72.8	12.1	0	148.1	\$637
Dairyland	DSR-2707/R2Y	RR2Y	2.7	MR	CMB	72.0	12.7	12	149.8	\$630
Jacobsen Seed	J847NR2	RR2Y	2.8	R	AC,IL,PV	71.7	12.2	0	144.7	\$627
FS HiSoy	HS 26X60	RRX	2.6	R	ACi,CI	71.5	12.0	0	149.8	\$626
Asgrow	AG2836 §	RR2Y	2.8	R	ACi	70.9	12.8	0	148.1	\$620
Prairie Brand	PB-2600R2	RR2Y	2.6	MR	CCB,In	70.6	12.0	0	149.8	\$618
Kruger	K2-2803	RR2Y	2.8	R	ACi	69.5	12.2	0	141.2	\$608
Latham	L2645R2	RR2Y	2.6	MR	CCB,Me	69.4	11.8	0	149.8	\$607
Channel	2609R2	RR2Y	2.6	R	ACi	69.4	12.0	0	148.1	\$607
Kruger	K2-2603	RR2Y	2.6	MR	ACi	69.0	12.0	0	148.1	\$604
Renk	RS286NR2	RR2Y	2.8	R	CMBV	69.0	12.8	0	148.1	\$604
Jacobsen Seed	J858NR2X	RRX	2.8	R	AC,IL,PV	68.9	12.6	0	146.4	\$603
Prairie Brand	PB-2876R2	RR2Y	2.8	R	CCB,In	68.7	12.8	0	148.1	\$601
Stine	28RH02 §	RR2Y	2.8	R	SFI	68.5	12.8	0	146.4	\$599
Jacobsen Seed	J856R2	RR2Y	2.6	MR	AC,IL,PV	68.3	12.0	0	148.1	\$598
Latham	L2859R2X	RRX	2.8	R	CCB,Me	68.1	12.1	0	148.1	\$596
Prairie Brand	PB-2576R2	RR2Y	2.5	R	CCB,In	67.6	13.0	27	149.8	\$592
Titan Pro	TP-26R35	RR2Y	2.6	MR	IS	67.5	11.9	0	149.8	\$591
LG Seeds	C2605R2	RR2Y	2.6	S	CCB	67.4	11.9	0	149.8	\$590
Pfister	26R204	RR2Y	2.6	R	CCB	67.4	12.3	0	146.4	\$590
Hefty	H25X7	RRX	2.5	MR	DST	67.3	11.9	0	148.1	\$589
Latham	L2758R2	RR2Y	2.7	R	CCB,Me	67.1	11.9	0	146.4	\$587
Hefty	H27X6	RRX	2.7	MR	None	66.8	12.2	0	142.9	\$585
Titan Pro	TP-28X45	RRX	2.8	R	IS	66.8	12.4	0	148.1	\$585
Pfister	28R202	RR2Y	2.8	R	CCB	66.8	12.9	0	146.4	\$585
NK Brand	S28-N6 §	RR2Y	2.8	R	CCB,Me	66.7	11.8	0	142.9	\$584
LG Seeds	C2890R2	RR2Y	2.8	R	CCB	66.7	13.8	0	148.1	\$583
Renk	RS276NX	RRX	2.8	R	AM	66.5	12.4	0	149.8	\$582
NK Brand	S26-P3 §	RR2Y	2.6	MR	CCB,Me	66.2	12.1	0	148.1	\$579
Croplan	R2C2450 CK	RR2Y	2.4	R	WCX	66.8	12.1	0	149.8	\$585

Corey Rozenboom

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Averages =	68.1	12.3	1	147.6	\$596
LSD (0.10) =	3.1	0.5	ns		
LSD (0.25) =	2.2	0.4	ns		
C.V. =	3.4			Prev. years avg. yield, 55.4 bu/a, 4 yrs	

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

TEST COMMENTS: *A wet spring delayed soybean planting in this area of northwest Iowa. Late May plantings were typical however quick emergence resulted in very good stands. The regular pattern of showers through the season produced excellent yields given the late planting. Seasonal rainfall totals from planting through R6 on Aug 10 ended at about 1.7" above the 30-yr average for this area.*

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2016 Soybean - Iowa Northwest [IANW]

Early-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Asgrow	AG24X7 §	RRX	2.4	R	ACi
Champion	20R35N	RR2Y	2.0	R	AC,PV
Champion	21X77N	RRX	2.1	R	AC,PV
Champion	22R86N	RR2Y	2.2	R	AC,PV
Champion	24R87N	RR2Y	2.4	R	AC,PV
Channel	2108R2	RR2Y	2.1	R	ACi
Channel	2306R2	RR2Y	2.3	R	ACi
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
Federal	F226NRR2Y	RR2Y	2.2	R	MAG
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	L2128R2	RR2Y	2.1	R	CCB,Me
Latham	L2184R2X	RRX	2.1	R	SS
Latham	L2228R2	RR2Y	2.2	R	CCB,Me
Latham	L2454R2X	RRX	2.4	S	CCB,Me
LG Seeds	C2126RX	RRX	2.1	R	CCB
LG Seeds	C2441R2	RR2Y	2.4	R	CCB
NK Brand	S22-S1 §	RR2Y	2.2	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-2156R2	RR2Y	2.1	R	CCB,In
Prairie Brand	PB-2296R2	RR2Y	2.2	R	CCB,In
Prairie Brand	PB-2419RR2	RR2Y	2.3	S	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
Renk	RS246NR2	RR2Y	2.4	R	CMBV
Stine	24RE03 §	RR2Y	2.4	MR	SFI
Stine	24RH62 §	RR2Y	2.4	R	SFI
Titan Pro	TP-21R55	RR2Y	2.1	R	IS

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Titan Pro	TP-21X46	RRX	2.1	R	None
Titan Pro	TP-23X76	RRX	2.3	R	IS
Titan Pro	TP-24R26	RR2Y	2.4	R	IS

2016 Soybean - Iowa Northwest [IANW]

Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Asgrow	AG2636 §	RR2Y	2.6	R	ACi
Asgrow	AG2836 §	RR2Y	2.8	R	ACi
Channel	2609R2	RR2Y	2.6	R	ACi
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 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	C2605R2	RR2Y	2.6	S	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-2600R2	RR2Y	2.6	MR	CCB,In
Prairie Brand	PB-2876R2	RR2Y	2.8	R	CCB,In
Renk	RS276NX	RRX	2.8	R	AM
Renk	RS286NR2	RR2Y	2.8	R	CMBV
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.