

## 2018 Soybean Top 30 Harvest Report

Iowa Northwest [ IANW ] GALVA

Tom Andresen, Ida County, IA 51025



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

PREV. CROP/HERB: Corn / Surpass, atrazine, Impact  
 SOIL DESCRIPTION: Galva silty clay loam, well drained, non-irrigated  
 SOIL CONDITIONS: Very high P, high K, 5.9 pH, 5.6% OM, 23.1 CEC  
 TILLAGE/CULTIVATION: No-till  
 PEST MANAGEMENT: Authority MTZ, Sharpen, Flexstar  
 APPLIED N-P-K (units): 0-0-0  
 SEEDED - RATE - ROW: May 23 151,000 /A 30" Spacing  
 HARVESTED - STAND: Oct 29 144,500 /A

**Early-Season Test**  
**Maturity Group 2.1 - 2.4**  
 S2018IANW03a

### Top 30 of 54

For Gross Income (Sorted by Yield)  
 Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Hoegemeyer	LL2221N	LL	2.2	R	<b>83.1</b>	13.9	1	143.3	\$663	1
Golden Harvest	GH2041X	RRX	2.0	R	<b>80.2</b>	13.8	1	145.1	\$640	2
Champion	24X98N	RRX	2.4	R	<b>80.2</b>	13.9	1	147.5	\$640	3
LG Seeds	LGS2444RX	RRX	2.4	R	<b>80.0</b>	13.7	1	142.8	\$639	4
Pioneer	P22T73R §	RR	2.2	R	<b>79.2</b>	13.4	1	147.5	\$633	5
Latham	L2295R2X	RRX	2.2	R	<b>79.1</b>	13.7	1	146.5	\$632	6
NK Brand	S20-J5X §	RRX	2.0	R	<b>78.2</b>	13.8	6	142.4	\$624	7
Golden Harvest	GH2230X	RRX	2.2	R	<b>77.9</b>	13.7	1	141.9	\$622	8
Titan Pro	TP 24X87	RRX	2.4	MR	<b>77.9</b>	14.0	1	147.3	\$622	9
Champion	21X77N	RRX	2.1	R	<b>77.5</b>	13.3	4	142.8	\$620	10
Viking	2155N	None	2.1	MR	<b>77.5</b>	13.9	1	144.0	\$619	11
Hefty	H23X9	RRX	2.3	MR	77.4	13.8	1	145.5	\$618	12
NK Brand	S21-W8X	RRX	2.1	R	77.4	13.8	1	142.1	\$618	13
Pioneer	P18T85R §	RRX	1.8	R	77.0	13.5	1	145.5	\$615	14
Champion	24L17N	LL	2.4	R	77.0	14.0	1	147.6	\$614	15
Renk	RS248NX	RRX	2.4	R	76.9	14.0	1	146.1	\$614	16
LG Seeds	C2126RX	RRX	2.1	R	76.7	12.9	6	145.6	\$614	17
Latham	L2228R2	RR2Y	2.2	R	76.4	13.7	1	144.3	\$610	18
<b>Kruger</b>	<b>K2X-2172</b>	<b>RRX</b>	<b>2.1</b>	<b>R</b>	<b>76.0</b>	<b>13.4</b>	<b>2</b>	<b>134.9</b>	<b>\$607</b>	<b>20</b>
Credenz	CZ2408LL	LL	2.4	R	76.0	14.0	1	148.5	\$606	21
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	75.9	13.8	1	148.3	\$606	22
Hefty	H24X8	RRX	2.4	MR	75.8	13.9	1	144.6	\$605	23
Channel	2119R2X	RRX	2.1	R	75.7	13.9	1	138.1	\$604	24
Stine	21RI32 §	RR2Y	2.1	R	75.6	13.8	1	144.0	\$604	25
Becks	2339X2 GC	RRX	2.3	R	75.1	13.6	6	145.8	\$600	26
Asgrow	AG21X7 §	RRX	2.1	R	74.7	13.7	1	140.6	\$597	27
Pioneer	P24A99X §	RRX	2.4	R	74.7	13.9	1	145.1	\$596	28
Credenz	CZ2312LL	LL	2.3	R	74.3	13.9	2	148.5	\$593	29
Viking	2188AT12N	None	2.4	MR	74.2	13.8	38	143.1	\$592	31
Legend	LS 21X705N	RRX	2.1	MR	74.1	13.0	6	144.8	\$593	30
Croplan	R2C2450 CK	RR2Y	2.4	R	76.1	13.9	2	146.6	\$607	19

*Corey Rozenboom*

Corey Rozenboom

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

Averages = **75.1** **13.7** **4** **144.5** **\$599**  
 LSD (0.10) = 2.4 0.3 6.8  
 LSD (0.25) = 1.3 0.2 3.6  
 C.V. = 3.1

New test site, no yield history

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.00 GMO; \$8.00 non-GMO

**TEST COMMENTS:** *Great fertility and perfect drainage on this no-till site. Planting dates were pushed back to the last part of May due to wet spring weather. Once in the ground, emergence was fast and plant vigor was excellent. June brought several heavy showers that saturated the soil profile several times. Flowering was very good, delivering heavy pod loads and above average seed size. Lodging was variety specific.*

† 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: 10/30/2018 Revised:

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SOIL DESCRIPTION: Galva silty clay loam, well drained, non-irrigated  
SOIL CONDITIONS: Very high P, high K, 5.9 pH, 5.6% OM, 23.1 CEC  
TILLAGE/CULTIVATION: No-till  
PEST MANAGEMENT: Authority MTZ, Sharpen, Flexstar  
APPLIED N-P-K (units): 0-0-0  
SEEDED - RATE - ROW: May 23 151,000 /A 30" Spacing  
HARVESTED - STAND: Oct 29 143,800 /A

**Full-Season Test**  
**Maturity Group 2.5 - 2.8**  
S2018IANW03b

**Top 30 of 36**  
For Gross Income (Sorted by Yield)  
Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Channel	2617R2X	RRX	2.6	R	79.6	13.1	1	142.1	\$637	1
Latham	L2549R2X	RRX	2.5	R	79.3	12.7	1	140.8	\$634	2
Credenz	CZ2601LL	LL	2.6	R	79.1	13.6	1	147.0	\$632	3
Hefty	H28X8	RRX	2.8	MR	77.8	12.6	1	143.3	\$622	4
Kruger	K2X-2652	RRX	2.6	R	77.8	12.9	4	144.6	\$622	5
Champion	28X78N	RRX	2.8	R	77.6	12.4	2	140.4	\$621	6
Latham	L2682R2X	RRX	2.6	R	77.5	12.7	1	142.6	\$620	7
Hefty	H25X8	RRX	2.5	MR	77.0	12.7	6	147.5	\$616	8
FS HiSoy	HS 28X70	RRX	2.8	R	76.8	12.6	1	139.9	\$614	9
LG Seeds	LGS2759RX	RRX	2.7	R	76.6	12.7	1	147.8	\$613	10
Kruger	K2X-2573	RRX	2.5	R	76.6	12.6	2	143.3	\$613	11
Champion	26L16N	LL	2.6	R	76.6	13.6	1	145.1	\$612	12
Golden Harvest	GH2788X	RRX	2.7	R	76.5	13.0	1	143.5	\$612	13
Renk	RS288NX	RRX	2.8	R	75.3	12.7	1	145.5	\$602	15
Asgrow	AG26X8 §	RRX	2.6	R	75.3	12.8	1	147.5	\$602	16
FS HiSoy	HS 25X70	RRX	2.5	R	75.0	12.7	2	141.4	\$600	17
Hoegemeyer	LL2579N	LL	2.5	R	74.9	13.2	1	149.2	\$599	18
Channel	2519R2X	RRX	2.5	S	74.8	12.6	2	147.5	\$598	19
LG Seeds	C2888RX	RRX	2.8	R	74.7	12.6	1	145.8	\$598	20
Titan Pro	TP 26X37	RRX	2.6	MR	74.3	12.7	6	144.0	\$594	21
Latham	L2887R2X	RRX	2.8	R	74.2	12.7	4	141.4	\$594	22
Titan Pro	TP 28X47	RRX	2.8	MR	73.8	12.6	1	142.1	\$590	23
Hefty	H25X9	RRX	2.5	MR	73.6	12.7	1	144.8	\$589	24
NK Brand	S27-M8X	RRX	2.7	R	73.6	13.3	1	141.8	\$588	25
Champion	26X09N	RRX	2.6	MR	73.0	12.8	1	137.4	\$584	26
Kruger	K2X-2863	RRX	2.8	R	72.9	12.7	1	143.8	\$583	27
LG Seeds	LGS2680RX	RRX	2.6	S	72.9	13.1	14	139.4	\$583	28
Dairyland	DSR-2616/R2Y	RR2Y	2.6	MR	72.7	12.8	1	146.3	\$582	29
Latham	E2584R2X	RRX	2.5	R	72.2	13.1	2	140.3	\$577	30
Channel	2918R2X	RRX	2.9	R	71.8	12.6	1	148.3	\$574	31
Croplan	R2C2450 CK	RR2Y	2.4	R	75.9	13.5	1	146.3	\$606	14

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Averages = 74.4 12.9 2 143.8 \$595  
LSD (0.10) = 3.0 0.3 3.4  
LSD (0.25) = 1.6 0.2 1.8  
C.V. = 3.8

New test site, no yield history

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.00 GMO; \$8.00 non-GMO

**TEST COMMENTS:** Great fertility and perfect drainage on this no-till site. Planting dates were pushed back to the last part of May due to wet spring weather. Once in the ground, emergence was fast and plant vigor was excellent. June brought several heavy showers that saturated the soil profile several times. Flowering was very good, delivering heavy pod loads and above average seed size. Lodging was variety specific.

† 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: 10/30/2018 Revised:

## 2018 Soybean - Iowa Northwest [ IANW ]

### 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	AG21X7 §	RRX	2.1	R	AC,PV	Stine	24RH62 §	RR2Y	2.4	R	SF
Asgrow	AG24X7 §	RRX	2.4	R	AC,PV	Titan Pro	TP 21L15	LL	2.1	MR	IL,PV
Becks	2339X2 GC	RRX	2.3	R	Es	Titan Pro	TP 22X68	RRX	2.2	MR	None
Champion	21X77N	RRX	2.1	R	EL	Titan Pro	TP 24L27	LL	2.4	MR	IL,PV
Champion	22X09N	RRX	2.2	R	EL	Titan Pro	TP 24X87	RRX	2.4	MR	IL,PV
Champion	24L17N	LL	2.4	R	EL	Viking	2155N	None	2.1	MR	CMB
Champion	24X98N	RRX	2.4	R	EL	Viking	2188AT12N	None	2.4	MR	CMB
Channel	2119R2X	RRX	2.1	R	AC,PV,IL	Viking	2340KN	None	2.3	R	None
Channel	2218R2X	RRX	2.2	R	AC,PV,IL	Viking	2418N	None	2.4	MR	None
Credenz	CZ2312LL	LL	2.3	R	EE,PV,IL						
Credenz	CZ2408LL	LL	2.4	R	EE,PV,IL						
Croplan	R2C2450 CK	RR2Y	2.4	R	None						
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	CMB						
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	CMB						
Federal	F2280NR2X	RRX	2.2	R	None						
Golden Harvest	GH2041X	RRX	2.0	R	CCB,Me						
Golden Harvest	GH2230X	RRX	2.2	R	CCB,Me						
Hefty	H21X9	RRX	2.1	MR	DST						
Hefty	H22X8	RRX	2.2	MR	DST						
Hefty	H23X9	RRX	2.3	MR	DST						
Hefty	H24X8	RRX	2.4	MR	DST						
Hoegemeyer	LL2221N	LL	2.2	R	EE,G,IL,Lu						
Kruger	K2X-2172	RRX	2.1	R	AC,PV,IL						
Kruger	K2X-2261	RRX	2.2	R	AC,PV,IL						
Kruger	K2X-2442	RRX	2.4	R	AC,PV,IL						
Latham	L2228R2	RR2Y	2.2	R	SS+						
Latham	L2239R2X	RRX	2.2	R	SS+						
Latham	L2295R2X	RRX	2.2	R	SS+						
Latham	L2464R2X	RRX	2.4	R	SS+						
Legend	LS 21X705N	RRX	2.1	MR	YPP						
LG Seeds	C2126RX	RRX	2.1	R	ASfi,IL						
LG Seeds	LGS2239RX	RRX	2.2	R	ASfi,IL						
LG Seeds	LGS2444RX	RRX	2.4	R	ASfi,IL						
NK Brand	S20-J5X §	RRX	2.0	R	CCB,Me						
NK Brand	S21-W8X	RRX	2.1	R	CCB,Me						
Pfister	20R23	RR2Y	2.0	R	CCB						
Pfister	24R201	RR2Y	2.4	R	CCB						
Pioneer	P18T85R §	RRX	1.8	R	None						
Pioneer	P22T73R §	RR	2.2	R	None						
Pioneer	P24A99X §	RRX	2.4	R	None						
Renk	RS207NX	RRX	2.0	R	EcTC						
Renk	RS219NX	RRX	2.1	R	EcTC						
Renk	RS239NX	RRX	2.3	R	None						
Renk	RS248NX	RRX	2.4	R	EcTC						
Stine	21RI32 §	RR2Y	2.1	R	SF						

**2018 Soybean - Iowa Northwest [ IANW ]**

**Full-Season Test Products (36 Total)**

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Asgrow	AG26X8 §	RRX	2.6	R	AC,PV						
Champion	26L16N	LL	2.6	R	EL						
Champion	26X09N	RRX	2.6	MR	EL						
Champion	28X78N	RRX	2.8	R	EL,IL						
Channel	2519R2X	RRX	2.5	S	AC,PV,IL						
Channel	2617R2X	RRX	2.6	R	AC,PV,IL						
Channel	2918R2X	RRX	2.9	R	AC,PV,IL						
Credenz	CZ2601LL	LL	2.6	R	EE,PV,IL						
Croplan	R2C2450 CK	RR2Y	2.4	R	None						
Dairyland	DSR-2616/R2Y	RR2Y	2.6	MR	CMB						
FS HiSoy	HS 25X70	RRX	2.5	R	ACi,IL						
FS HiSoy	HS 27X80	RRX	2.7	R	ACi,IL						
FS HiSoy	HS 28X70	RRX	2.8	R	ACi,IL						
Golden Harvest	GH2537X §	RRX	2.5	R	CCB,Me						
Golden Harvest	GH2788X	RRX	2.7	R	CCB,Me						
Hefty	H25X8	RRX	2.5	MR	DST						
Hefty	H25X9	RRX	2.5	MR	DST						
Hefty	H28X8	RRX	2.8	MR	DST						
Hoegemeyer	LL2579N	LL	2.5	R	CMB						
Kruger	K2X-2573	RRX	2.5	R	AC,PV,IL						
Kruger	K2X-2652	RRX	2.6	R	AC,PV,IL						
Kruger	K2X-2863	RRX	2.8	R	AC,PV,IL						
Latham	E2584R2X	RRX	2.5	R	SS+						
Latham	L2549R2X	RRX	2.5	R	SS+						
Latham	L2682R2X	RRX	2.6	R	SS+						
Latham	L2887R2X	RRX	2.8	R	SS+						
LG Seeds	C2888RX	RRX	2.8	R	ASfi,IL						
LG Seeds	LGS2680RX	RRX	2.6	S	ASfi,IL						
LG Seeds	LGS2759RX	RRX	2.7	R	ASfi,IL						
NK Brand	S25-B6X §	RRX	2.5	R	CCB,Me						
NK Brand	S27-M8X	RRX	2.7	R	CCB,Me						
Renk	RS269X	RRX	2.6	S	EcTC						
Renk	RS288NX	RRX	2.8	R	EcTC						
Stine	28BA02 §	G27	2.8	R	None						
Titan Pro	TP 26X37	RRX	2.6	MR	None						
Titan Pro	TP 28X47	RRX	2.8	MR	IL,PV						

## Footnotes and Abbreviation Descriptions

### Brand Footnotes

^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Innotech™ is a trademark of Syngenta.
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

G27	GT27™
LL	LibertyLink®
None	Conventional, non-GMO
RR	Glyphosate tolerant
RR2Y	Genuity® Roundup Ready 2 Yield®
RRX	Roundup Ready 2 Xtend®
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	Gr+	Great Start™ Max Plus
A2020	Alert 2020™	I	insecticide
AC	Acceleron® fungicide products	IL	ILeVO®
ACi	Acceleron® fungicide and insecticide products	In	Intego™ Solo
AM	ApronMaxx®	IS	Intego™ Suite
ASfi	AgriShield® F+I	Lu	Lumisena™
AVB	Avicta® Complete Beans	Me	Mertect®
AVBV	Avicta® Complete Beans with Vibrance	None	untreated
BB	Buckeye Boost ST	Pd	proTect D™
CCB	Clariva™ Complete Beans	PG+	Profit Guard +™
CI	Clariva™ pn	PS	MAS Pro-Shield
CMB	CruiserMaxx® Beans	PV	Poncho®/Votivo®
CMBV	CruiserMaxx® Beans with Vibrance	R	Redigo™
DPHB	DPH Boost®	Ret	Revize® SB+T
DST	Dominance™ ST	Ri	Rizolex™
DX	Defend™ Extra	SF	Stine XP F
EcTC	Eclipse™ US Total coverage	SFI	Stine XP fungicide & insecticide
EE	Evergol™ Energy	SS	Soyshield™
EL	Elevate™ F+I	SS+	Soyshield Plus™
EL+	Elevate™ Plus	TE	Trius Elite™
En	Encase®	TT	Turbo Treat™
EQV	Equity® VIP	W	Warden® CX
Es	Escalate™	Wr	Warden® RTA
F	fungicide	YPP	YP Pro™
G	Gaucho®		

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