

## 2018 Soybean Top 30 Harvest Report

Iowa Northwest [ IANW ] BOYDEN

Jason Diekevers, Sioux County, IA 51234



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

PREV. CROP/HERB: Corn / Surestart, Roundup, Callisto  
 SOIL DESCRIPTION: Galva silty clay loam, well drained, non-irrigated  
 SOIL CONDITIONS: Very high P, high K, 6.2 pH, 5.0% OM, 22.4 CEC  
 TILLAGE/CULTIVATION: No-till  
 PEST MANAGEMENT: Authority First DF, Warrant Ultra, Select, Priaxor, Asana XL  
 APPLIED N-P-K (units): 0-0-0  
 SEEDED - RATE - ROW: May 18 151,000 /A 30" Spacing  
 HARVESTED - STAND: Oct 24 144,900 /A

**Early-Season Test**  
**Maturity Group 2.1 - 2.4**  
 S2018IANW01a

### 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
Stine	21RI32 §	RR2Y	2.1	R	<b>80.3</b>	12.0	1	145.6	\$642	1
Hefty	H24X8	RRX	2.4	MR	<b>79.5</b>	12.7	1	144.1	\$636	2
Pioneer	P22T73R §	RR	2.2	R	<b>78.8</b>	12.2	1	147.8	\$630	3
Champion	24X98N	RRX	2.4	R	<b>77.8</b>	12.9	1	146.6	\$622	4
Hoegemeyer	LL2221N	LL	2.2	R	<b>76.5</b>	12.2	1	148.7	\$612	5
Golden Harvest	GH2041X	RRX	2.0	R	<b>75.3</b>	12.1	1	140.9	\$602	6
Latham	L2228R2	RR2Y	2.2	R	<b>75.1</b>	12.2	1	144.8	\$601	7
NK Brand	S20-J5X §	RRX	2.0	R	<b>75.0</b>	12.0	1	146.3	\$600	8
Latham	L2464R2X	RRX	2.4	R	74.6	12.4	1	138.2	\$597	9
Hefty	H23X9	RRX	2.3	MR	74.5	12.2	1	143.6	\$596	10
Titan Pro	TP 24X87	RRX	2.4	MR	74.4	12.8	1	147.0	\$595	11
Asgrow	AG21X7 §	RRX	2.1	R	73.7	12.1	1	144.0	\$590	12
Pioneer	P18T85R §	RRX	1.8	R	73.5	12.0	1	146.1	\$588	13
Federal	F2280NR2X	RRX	2.2	R	73.4	12.2	1	148.1	\$587	15
LG Seeds	LGS2444RX	RRX	2.4	R	73.4	12.3	1	138.6	\$587	16
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	73.4	12.5	1	145.8	\$587	17
Hefty	H21X9	RRX	2.1	MR	73.2	12.1	1	145.5	\$586	18
Renk	RS248NX	RRX	2.4	R	73.1	12.8	1	145.5	\$585	19
Pioneer	P24A99X §	RRX	2.4	R	73.0	12.3	1	147.8	\$584	20
Pfister	20R23	RR2Y	2.0	R	72.9	12.2	1	146.5	\$583	21
Latham	L2295R2X	RRX	2.2	R	72.7	12.1	1	145.3	\$582	22
Renk	RS207NX	RRX	2.0	R	72.6	12.0	1	147.3	\$581	23
Channel	2119R2X	RRX	2.1	R	72.2	12.3	1	143.8	\$578	24
<b>Kruger</b>	<b>K2X-2172</b>	<b>RRX</b>	<b>2.1</b>	<b>R</b>	<b>72.1</b>	<b>12.1</b>	<b>1</b>	<b>142.9</b>	<b>\$577</b>	<b>25</b>
Channel	2218R2X	RRX	2.2	R	72.0	12.3	1	135.4	\$576	26
Hefty	H22X8	RRX	2.2	MR	71.8	12.1	1	148.5	\$574	27
Viking	2188AT12N	None	2.4	MR	71.7	12.6	1	147.6	\$574	28
Credenz	CZ2312LL	LL	2.3	R	71.6	12.2	1	145.6	\$573	29
Viking	2418N	None	2.4	MR	71.6	12.3	1	148.3	\$573	30
<b>Kruger</b>	<b>K2X-2261</b>	<b>RRX</b>	<b>2.2</b>	<b>R</b>	<b>71.5</b>	<b>12.3</b>	<b>1</b>	<b>140.8</b>	<b>\$572</b>	<b>31</b>
Croplan	R2C2450 CK	RR2Y	2.4	R	73.5	12.2	1	143.8	\$588	14

*Corey Rozenboom*

Corey Rozenboom

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

Averages = **71.9** **12.3** **1** **144.9** **\$575**  
 LSD (0.10) = 3.0 0.1 ns  
 LSD (0.25) = 1.6 0.1 ns  
 C.V. = 3.9

Prev. years avg. yield, 62.5 bu/a, 1 yr

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

**TEST COMMENTS:** *Planting conditions were excellent at this no-till site that drains well, which is good since nearly 8.5" rained down during June. Early season plant vigor was strong and the crop was protected well with applications of fungicide & insecticide mid-season. Favorable weather during the season brought well-timed rainfall that promoted flowering and seed fill. Great yields and great data at this site.*

† 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: 10/27/2018 Revised:

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SOIL DESCRIPTION: Galva silty clay loam, well drained, non-irrigated  
SOIL CONDITIONS: Very high P, high K, 6.2 pH, 5.0% OM, 22.4 CEC  
TILLAGE/CULTIVATION: No-till  
PEST MANAGEMENT: Authority First DF, Warrant Ultra, Select, Priaxor, Asana XL  
APPLIED N-P-K (units): 0-0-0  
SEEDED - RATE - ROW: May 18 151,000 /A 30" Spacing  
HARVESTED - STAND: Oct 24 144,100 /A

**Full-Season Test**  
**Maturity Group 2.5 - 2.8**  
S2018IANW01b

### 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
Golden Harvest	GH2788X	RRX	2.7	R	77.4	12.3	1	148.0	\$619	1
Latham	L2549R2X	RRX	2.5	R	76.1	11.9	1	142.9	\$609	2
Hefty	H25X9	RRX	2.5	MR	74.5	11.8	1	147.1	\$596	3
Latham	E2584R2X	RRX	2.5	R	73.9	11.8	1	144.0	\$591	4
Stine	28BA02 §	G27	2.8	R	73.6	12.2	1	146.8	\$589	5
LG Seeds	LGS2680RX	RRX	2.6	S	73.3	12.0	1	138.6	\$586	6
Channel	2519R2X	RRX	2.5	S	73.2	11.8	1	148.0	\$586	7
FS HiSoy	HS 28X70	RRX	2.8	R	72.7	12.3	1	141.4	\$582	9
Champion	26L16N	LL	2.6	R	72.0	12.3	1	144.1	\$576	10
Dairyland	DSR-2616/R2Y	RR2Y	2.6	MR	71.9	11.9	1	144.1	\$575	11
Hoegemeyer	LL2579N	LL	2.5	R	71.9	12.1	1	148.5	\$575	12
Hefty	H25X8	RRX	2.5	MR	71.4	12.0	1	147.5	\$571	13
Channel	2918R2X	RRX	2.9	R	71.4	12.5	1	145.8	\$571	14
Kruger	K2X-2652	RRX	2.6	R	71.2	11.9	1	141.1	\$570	15
Asgrow	AG26X8 §	RRX	2.6	R	71.2	12.2	1	144.8	\$570	16
NK Brand	S27-M8X	RRX	2.7	R	71.0	12.3	1	140.8	\$568	17
Channel	2617R2X	RRX	2.6	R	70.8	12.0	1	140.8	\$566	18
FS HiSoy	HS 27X80	RRX	2.7	R	70.7	12.2	1	132.9	\$566	19
LG Seeds	C2888RX	RRX	2.8	R	70.1	12.3	1	142.6	\$561	20
FS HiSoy	HS 25X70	RRX	2.5	R	69.4	12.0	1	141.6	\$555	21
Titan Pro	TP 26X37	RRX	2.6	MR	69.3	12.0	1	148.8	\$554	22
Hefty	H28X8	RRX	2.8	MR	68.7	12.2	1	145.0	\$550	23
Latham	L2682R2X	RRX	2.6	R	68.2	12.1	1	145.3	\$546	24
Kruger	K2X-2863	RRX	2.8	R	68.1	12.1	1	141.8	\$545	25
Titan Pro	TP 28X47	RRX	2.8	MR	67.9	12.5	1	141.8	\$543	26
LG Seeds	LGS2759RX	RRX	2.7	R	67.8	12.5	1	144.5	\$542	27
Renk	RS269X	RRX	2.6	S	67.2	11.9	1	139.6	\$538	28
Credenz	CZ2601LL	LL	2.6	R	67.2	12.4	1	147.8	\$538	29
Champion	26X09N	RRX	2.6	MR	67.1	12.0	1	147.6	\$537	30
Latham	L2887R2X	RRX	2.8	R	66.7	12.1	1	142.9	\$534	31
Croplan	R2C2450 CK	RR2Y	2.4	R	72.8	12.1	1	147.5	\$582	8

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Averages = 70.1 12.1 1 144.1 \$561  
LSD (0.10) = 2.8 0.2 ns  
LSD (0.25) = 1.5 0.1 ns  
C.V. = 3.8

Prev. years avg. yield, 62.5 bu/a, 1 yr

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

**TEST COMMENTS:** *Planting conditions were excellent at this no-till site that drains well, which is good since nearly 8.5" rained down during June. Early season plant vigor was strong and the crop was protected well with applications of fungicide & insecticide mid-season. Favorable weather during the season brought well-timed rainfall that promoted flowering and seed fill. Great yields and great data at this site.*

† 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: 10/27/2018 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.