

2018 Soybean Top 30 Harvest Report

Iowa North [IANO] BRITT

Donald Kirsch, Hancock County, IA 50483



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

PREV. CROP/HERB: Corn / Balance Flexx, atrazine, Impact, atrazine
 SOIL DESCRIPTION: Okoboji silty clay loam, well drained, non-irrigated
 SOIL CONDITIONS: Very high P, very high K, 5.7 pH, 4.9% OM, 29.7 CEC
 TILLAGE/CULTIVATION: Conventional w/ fall till
 PEST MANAGEMENT: Zidua Pro, Parallel, Outlook, clethodim, Lambda-Cy, Delaro 325 SC
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 22 142,000 /A 30" Spacing
 HARVESTED - STAND: Oct 23 124,100 /A

Early-Season Test
Maturity Group 1.7 - 2.1
 S2018IANO02a

Top 30 of 60

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
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	72.1	12.6	1	120.5	\$577	1
Viking	2018N	None	2.0	MR	71.6	12.7	1	123.5	\$573	2
Kussmaul	KS-28G20	RR	2.0	R	71.4	12.7	1	118.2	\$571	3
Kruger	K2X-2172	RRX	2.1	R	70.2	12.8	6	117.1	\$562	4
LG Seeds	C2126RX	RRX	2.1	R	70.0	12.6	1	118.5	\$560	5
Stine	19RF32 §	RR2Y	1.9	R	69.2	13.0	1	125.3	\$554	6
Golden Harvest	GH1852X	RRX	1.8	R	69.2	12.9	11	127.5	\$554	7
NK Brand	S21-W8X	RRX	2.1	R	69.0	12.6	1	121.2	\$552	8
Credenz	CZ1738LL	LL	1.7	R	68.9	12.6	1	126.4	\$551	9
Pfister	20R23	RR2Y	2.0	R	68.9	12.6	1	128.6	\$551	10
Renk	RS207NX	RRX	2.0	R	68.8	12.7	1	120.5	\$550	11
Channel	1818R2X	RRX	1.8	R	68.7	12.6	1	123.9	\$550	12
Titan Pro	TP 16L86	LL	1.6	MR	68.3	12.7	6	129.7	\$546	13
Stine	20RD20 §	RR2Y	2.0	R	67.7	12.5	4	128.3	\$542	14
Champion	21X77N	RRX	2.1	R	67.6	12.7	1	117.1	\$541	15
Latham	L2184R2X	RRX	2.1	R	67.6	12.6	6	123.4	\$541	16
Legend	LS 20R524N	RR2Y	2.0	MR	67.5	12.5	12	128.1	\$540	17
NorthStar	NS 62002NXR2	RRX	2.0	MR	67.2	12.7	1	121.2	\$538	18
Asgrow	AG17X8 §	RRX	1.7	R	67.0	12.5	4	128.1	\$536	20
Kruger	K2X-1862	RRX	1.8	R	66.7	13.0	1	117.7	\$534	21
Dairyland	DSR-1950/R2Y	RR2Y	1.9	R	66.5	12.6	1	129.7	\$532	22
Legend	LS 20X963N	RRX	2.0	MR	66.4	12.7	1	115.7	\$531	23
Legend	LS 21X705N	RRX	2.1	MR	65.6	12.6	1	120.1	\$525	24
Hefty	H21X9	RRX	2.1	MR	65.6	12.6	1	126.4	\$525	25
FS HiSoy	HS 19A50	RR2Y	1.9	R	65.6	12.8	1	125.3	\$525	26
Hoegemeyer	LL2221N	LL	2.2	R	65.3	12.8	1	126.1	\$522	27
Hefty	H20X7	RRX	2.0	MR	65.2	12.7	4	112.2	\$522	28
NK Brand	S20-J5X §	RRX	2.0	R	65.1	12.8	1	126.1	\$521	29
Becks	185R2 GC	RR2Y	1.8	R	65.0	12.4	1	124.2	\$520	30
Titan Pro	TP 20X98	RRX	2.0	MR	65.0	12.7	1	123.7	\$520	31
Croplan	R2C2200 CK	RR2Y	2.2	R	67.1	12.8	1	128.0	\$537	19

Corey Rozenboom

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

Averages =	64.2	12.7	2	124.1	\$514
LSD (0.10) =	3.4	0.2	3.5		
LSD (0.25) =	1.8	0.1	1.8		
C.V. =	5.0				

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: Excessive moisture during early May pushed back planting dates in the area. 1.7" of rain fell within hours of planting which reduced final stands to nearly 87% of the planted population. A few periods of excessive rain fell in June and Sept. Overall, this site recorded 37.1" from May through Sept. That's 16.5" over the 30-yr average. Pod clusters filled to the tops of the plants and seed size was large.

† 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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 TILLAGE/CULTIVATION: Conventional w/ fall till
 PEST MANAGEMENT: Zidua Pro, Parallel, Outlook, clethodim, Lambda-Cy, Delaro 325 SC
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 22 142,000 /A 30" Spacing
 HARVESTED - STAND: Oct 23 127,000 /A

Full-Season Test
Maturity Group 2.2 - 2.5
 S2018IANO02b

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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
Champion	2259CP	None	2.2	R	75.0	12.6	6	134.7	\$600	1
Viking	2340KN	None	2.3	R	73.2	12.6	1	131.6	\$586	2
Hefty	H24X8	RRX	2.4	MR	71.7	12.7	1	125.9	\$574	3
LG Seeds	LGS2444RX	RRX	2.4	R	71.1	12.6	1	129.1	\$569	4
Champion	24L17N	LL	2.4	R	71.0	12.7	1	129.4	\$568	5
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	70.2	12.6	6	130.0	\$562	6
Legend	LS 24X842N	RRX	2.4	MR	69.7	12.9	1	124.3	\$558	7
Becks	2559X2 GC	RRX	2.5	R	69.6	12.6	9	124.2	\$557	8
Hefty	H23X9	RRX	2.3	MR	69.3	12.5	4	125.9	\$554	9
Pioneer	P22T73R §	RR	2.2	R	69.1	12.5	2	129.2	\$553	10
Hefty	H22X8	RRX	2.2	MR	68.9	12.7	1	132.2	\$551	11
Renk	RS248NX	RRX	2.4	R	68.9	12.8	1	125.9	\$551	12
Legend	LS 25X924N	RRX	2.5	MR	68.9	12.4	7	121.2	\$551	13
Titan Pro	TP 24X87	RRX	2.4	MR	68.6	12.7	1	126.1	\$549	14
NorthStar	NS 62444NXR2	RRX	2.4	MR	68.3	12.6	1	127.3	\$546	15
Cornelius	CB22R88	RR2Y	2.2	R	68.1	12.5	1	125.6	\$545	16
NorthStar	NS 62294NXR2	RRX	2.2	MR	68.0	12.7	1	130.8	\$544	17
Kruger	K2X-2442	RRX	2.4	R	67.9	12.6	9	125.3	\$543	18
Latham	L2295R2X	RRX	2.2	R	67.6	12.6	1	126.7	\$541	20
FS HiSoy	HS 22X80	RRX	2.2	R	67.6	12.5	9	128.1	\$541	21
FS HiSoy	HS 25X70	RRX	2.5	R	67.3	12.6	1	122.1	\$538	22
Viking	2418N	None	2.4	MR	67.1	12.5	2	130.2	\$537	23
Viking	2188AT12N	None	2.4	MR	66.6	12.7	22	124.0	\$533	24
Titan Pro	TP 24L27	LL	2.4	MR	66.5	12.6	1	125.7	\$532	25
Pioneer	P24A99X §	RRX	2.4	R	66.3	12.7	1	131.7	\$530	26
Champion	23X78N	RRX	2.3	R	66.1	12.7	1	128.3	\$529	27
Hefty	H25X9	RRX	2.5	MR	66.0	12.6	1	125.7	\$528	28
Becks	234L4 GC	LL	2.3	R	65.7	12.7	1	130.3	\$526	29
Stine	24RH62 §	RR2Y	2.4	R	65.3	12.6	6	126.4	\$522	30
Golden Harvest	GH2230X §	RRX	2.2	R	65.1	12.7	4	126.1	\$521	31
Croplan	R2C2200 CK	RR2Y	2.2	R	67.6	12.6	1	128.1	\$541	19

Corey Rozenboom

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Averages = **66.0** **12.6** **3** **127.0** **\$528**
 LSD (0.10) = 3.3 ns 5.1
 LSD (0.25) = 1.7 ns 2.7
 C.V. = 4.7

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: Excessive moisture during early May pushed back planting dates in the area. 1.7" of rain fell within hours of planting which reduced final stands to nearly 87% of the planted population. A few periods of excessive rain fell in June and Sept. Overall, this site recorded 37.1" from May through Sept. That's 16.5" over the 30-yr average. Pod clusters filled to the tops of the plants and seed size was large.

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Report Date: 10/27/2018 Revised:

2018 Soybean - Iowa North [IANO]

Early-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Asgrow	AG17X8 §	RRX	1.7	R	AC,PV	NorthStar	NS 61903NXR2	RRX	1.9	MR	CCB
Asgrow	AG20X7 §	RRX	2.0	R	AC,PV	NorthStar	NS 62002NXR2	RRX	2.0	MR	CCB
Becks	185R2 GC	RR2Y	1.8	R	Es	Pfister	20R23	RR2Y	2.0	R	CCB
Champion	18X78N	RRX	1.8	R	EL	Pioneer	P18T85R §	RRX	1.8	R	None
Champion	20X09N	RRX	2.0	R	EL	Renk	RS188NX	RRX	1.8	R	EcTC
Champion	21X77N	RRX	2.1	R	EL	Renk	RS207NX	RRX	2.0	R	EcTC
Channel	1818R2X	RRX	1.8	R	AC,PV,IL	Renk	RS219NX	RRX	2.1	R	EcTC
Cornelius	CB18X80	RRX	1.8	R	PG+	Stine	19RF32 §	RR2Y	1.9	R	SF
Cornelius	CB19R71	RR2Y	1.9	R	PG+	Stine	20RD20 §	RR2Y	2.0	R	SF
Cornelius	CB20X56	RRX	2.0	R	PG+	Titan Pro	TP 16L86	LL	1.6	MR	IL,PV
Cornelius	CB21X55	RRX	2.1	R	PG+	Titan Pro	TP 18X97	RRX	1.8	MR	IL,PV
Credenz	CZ1738LL	LL	1.7	R	EE,PV,IL	Titan Pro	TP 20X98	RRX	2.0	MR	IL,PV
Croplan	R2C2200 CK	RR2Y	2.2	R	None	Titan Pro	TP 21L15	LL	2.1	MR	IL,PV
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	CMB	Viking	2018N	None	2.0	MR	CMB
Dairyland	DSR-1950/R2Y	RR2Y	1.9	R	CMB	Viking	2155N	None	2.1	MR	CMB
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	CMB						
FS HiSoy	HS 18X70	RRX	1.8	R	ACi,IL						
FS HiSoy	HS 19A50	RR2Y	1.9	R	ACi,IL						
FS HiSoy	HS 21X70	RRX	2.1	R	ACi,IL						
Golden Harvest	GH1852X	RRX	1.8	R	CCB,Me						
Golden Harvest	GH1915X	RRX	1.9	R	CCB,Me						
Golden Harvest	GH2041X	RRX	2.0	R	CCB,Me						
Hefty	H17X9	RRX	1.7	MR	DST						
Hefty	H18X8	RRX	1.8	MR	DST						
Hefty	H20X7	RRX	2.0	MR	DST						
Hefty	H21X9	RRX	2.1	MR	DST						
Hoegemeyer	LL2221N	LL	2.2	R	EE,G,IL,Lu						
Kruger	K2X-1773	RRX	1.7	MR	AC,PV,IL						
Kruger	K2X-1862	RRX	1.8	R	AC,PV,IL						
Kruger	K2X-2073	RRX	2.0	R	AC,PV,IL						
Kruger	K2X-2172	RRX	2.1	R	AC,PV,IL						
Kussmaul	KS-28G20	RR	2.0	R	CMB						
Latham	L1748R2	RR2Y	1.7	R	SS,IL						
Latham	L2045R2X	RRX	2.0	R	SS						
Latham	L2084R2	RR2Y	2.0	R	SS+						
Latham	L2184R2X	RRX	2.1	R	SS						
Legend	LS 18X860N	RRX	1.8	MR	YPP						
Legend	LS 20R524N	RR2Y	2.0	MR	YPP						
Legend	LS 20X963N	RRX	2.0	MR	YPP						
Legend	LS 21X705N	RRX	2.1	MR	YPP						
LG Seeds	C1838RX	RRX	1.8	R	ASfi,IL						
LG Seeds	C2126RX	RRX	2.1	R	ASfi,IL						
LG Seeds	LGS2007RX	RRX	2.0	R	ASfi,IL						
NK Brand	S20-J5X §	RRX	2.0	R	CCB,Me						
NK Brand	S21-W8X	RRX	2.1	R	CCB,Me						

2018 Soybean - Iowa North [IANO]

Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Asgrow	AG24X7 §	RRX	2.4	R	AC,PV
Becks	2339X2 GC	RRX	2.3	R	Es
Becks	234L4 GC	LL	2.3	R	Es
Becks	2559X2 GC	RRX	2.5	R	Es
Champion	2259CP	None	2.2	R	EL
Champion	22X09N	RRX	2.2	R	EL
Champion	23X78N	RRX	2.3	R	EL
Champion	24L17N	LL	2.4	R	EL
Cornelius	CB22R88	RR2Y	2.2	R	PG+
Cornelius	CB22X32	RRX	2.2	R	PG+
Cornelius	CB23X00	RRX	2.3	R	PG+
Cornelius	CB24R82	RR2Y	2.4	R	PG+
Croplan	R2C2200 CK	RR2Y	2.2	R	None
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	CMB
FS HiSoy	HS 22X80	RRX	2.2	R	ACi,IL
FS HiSoy	HS 23X70	RRX	2.3	R	ACi,IL
FS HiSoy	HS 24X80	RRX	2.4	R	ACi,IL
FS HiSoy	HS 25X70	RRX	2.5	R	ACi,IL
Golden Harvest	GH2230X §	RRX	2.2	R	CCB,Me
Golden Harvest	GH2537X	RRX	2.5	R	CCB,Me
Hefty	H22X8	RRX	2.2	MR	DST
Hefty	H23X9	RRX	2.3	MR	DST
Hefty	H24X8	RRX	2.4	MR	DST
Hefty	H25X9	RRX	2.5	MR	DST
Kruger	K2X-2261	RRX	2.2	R	AC,PV,IL
Kruger	K2X-2442	RRX	2.4	R	AC,PV,IL
Kruger	K2X-2573	RRX	2.5	R	AC,PV,IL
Kussmaul	KS-28X23N	RRX	2.3	R	CMB
Latham	L2295R2X	RRX	2.2	R	SS+
Latham	L2368R2X	RRX	2.3	R	SS+
Latham	L2482R2	RR2Y	2.4	R	SS+
Latham	L2549R2X	RRX	2.5	R	SS+
Legend	LS 23X920N	RRX	2.3	MR	YPP
Legend	LS 24R563N	RR2Y	2.4	MR	YPP
Legend	LS 24X842N	RRX	2.4	MR	YPP
Legend	LS 25X924N	RRX	2.5	MR	YPP
LG Seeds	LGS2239RX	RRX	2.2	R	ASfi,IL
LG Seeds	LGS2444RX	RRX	2.4	R	ASfi,IL
NK Brand	S25-B6X §	RRX	2.5	R	CCB,Me
NorthStar	NS 2362NR2	RR2Y	2.3	MR	CCB
NorthStar	NS 62294NXR2	RRX	2.2	MR	CCB
NorthStar	NS 62444NXR2	RRX	2.4	MR	CCB
Pfister	24R201	RR2Y	2.4	R	CCB
Pioneer	P22T73R §	RR	2.2	R	None
Pioneer	P24A99X §	RRX	2.4	R	None

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Renk	RS239NX	RRX	2.3	R	None
Renk	RS248NX	RRX	2.4	R	EcTC
Stine	24RH62 §	RR2Y	2.4	R	SF
Titan Pro	TP 22X68	RRX	2.2	MR	None
Titan Pro	TP 24L27	LL	2.4	MR	IL,PV
Titan Pro	TP 24X87	RRX	2.4	MR	IL,PV
Viking	2188AT12N	None	2.4	MR	CMB
Viking	2340KN	None	2.3	R	None
Viking	2418N	None	2.4	MR	None

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.