

2018 Soybean Top 30 Harvest Report

Iowa North [IANO] LU VERNE

Bob Plathe, Kossuth County, IA 50560



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

PREV. CROP/HERB: Corn / TripleFlex, atrazine, Impact
 SOIL DESCRIPTION: Kossuth silty clay loam, well drained, non-irrigated
 SOIL CONDITIONS: Medium P, medium K, 7.8 pH, 5.9% OM, 23.7 CEC
 TILLAGE/CULTIVATION: Conventional w/ fall till
 PEST MANAGEMENT: Zidua Pro, Intensity, chlorpyrifos
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 18 142,000 /A 30" Spacing
 HARVESTED - STAND: Oct 22 135,000 /A

Early-Season Test
Maturity Group 1.7 - 2.1
 S2018IANO01a

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
FS HiSoy	HS 19A50	RR2Y	1.9	R	64.3	10.4	4	134.7	\$514	1
Cornelius	CB18X80	RRX	1.8	R	63.5	10.4	4	133.2	\$508	2
Hefty	H20X7	RRX	2.0	MR	63.4	10.3	4	132.4	\$507	3
Hoegemeyer	LL2221N	LL	2.2	R	63.0	10.4	4	136.5	\$504	4
FS HiSoy	HS 18X70	RRX	1.8	R	62.1	10.4	4	135.1	\$497	5
Viking	2155N	None	2.1	MR	61.9	10.8	4	134.0	\$495	6
Kruger	K2X-2073	RRX	2.0	R	61.4	10.2	4	132.4	\$491	7
Cornelius	CB19R71	RR2Y	1.9	R	61.3	10.5	4	134.7	\$490	8
Kruger	K2X-1773	RRX	1.7	MR	61.1	10.3	4	135.1	\$489	9
LG Seeds	C2126RX	RRX	2.1	R	60.8	10.5	4	135.2	\$486	10
Titan Pro	TP 16L86	LL	1.6	MR	60.7	10.6	4	137.4	\$486	11
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	60.2	10.4	4	139.3	\$482	12
Asgrow	AG20X7 §	RRX	2.0	R	60.2	10.4	4	136.3	\$482	13
NK Brand	S20-J5X §	RRX	2.0	R	60.0	10.3	4	131.9	\$480	14
Legend	LS 21X705N	RRX	2.1	MR	60.0	10.3	8	131.4	\$480	15
Stine	19RF32 §	RR2Y	1.9	R	59.9	10.3	4	134.7	\$479	16
Legend	LS 18X860N	RRX	1.8	MR	59.5	10.4	4	136.3	\$476	17
Champion	21X77N	RRX	2.1	R	59.5	10.4	4	128.4	\$476	18
Dairyland	DSR-1950/R2Y	RR2Y	1.9	R	59.5	10.7	4	136.5	\$476	19
Kruger	K2X-1862	RRX	1.8	R	59.2	10.1	4	131.1	\$474	20
Renk	RS207NX	RRX	2.0	R	59.2	10.6	4	128.4	\$474	21
LG Seeds	C1838RX	RRX	1.8	R	59.0	10.3	4	133.6	\$472	22
Renk	RS188NX	RRX	1.8	R	58.9	10.3	4	136.6	\$471	23
Kruger	K2X-2172	RRX	2.1	R	58.9	10.7	4	129.1	\$471	24
Titan Pro	TP 20X98	RRX	2.0	MR	58.8	10.4	4	135.4	\$470	25
Hefty	H21X9	RRX	2.1	MR	58.8	10.4	4	140.7	\$470	26
Becks	185R2 GC	RR2Y	1.8	R	58.8	10.4	4	131.4	\$470	27
Renk	RS219NX	RRX	2.1	R	58.7	10.2	4	138.1	\$470	28
Kussmaul	KS-28G20	RR	2.0	R	58.7	10.4	4	139.2	\$470	29
NorthStar	NS 62002N XR2	RRX	2.0	MR	58.7	10.5	4	135.7	\$470	30
Croplan	R2C2200 CK	RR2Y	2.2	R	56.9	10.3	4	137.4	\$455	44

Corey Rozenboom

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

Averages = **58.3** **10.4** **4** **135.0** **\$466**
 LSD (0.10) = 3.0 0.3 ns
 LSD (0.25) = 2.1 0.2 ns
 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: *Wet spring weather earlier in May delayed soybean planting in this area. Once planted, emergence was quick and stands were nice and uniform across this site. Rainfall was excessive throughout the season, but fell in a steady pattern as the season wore on. Total accumulation May through end of Sept was 33.8", which is 12.8" over the 30-yr average. Very little disease or pest pressure observed.*

† 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: 10/26/2018 Revised:

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TILLAGE/CULTIVATION: Conventional w/ fall till
PEST MANAGEMENT: Zidua Pro, Intensity, chlorpyrifos
APPLIED N-P-K (units): 0-0-0
SEEDED - RATE - ROW: May 18 142,000 /A 30" Spacing
HARVESTED - STAND: Oct 22 135,800 /A

Full-Season Test
Maturity Group 2.2 - 2.5
S2018IANO01b

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
FS HiSoy	HS 24X80	RRX	2.4	R	66.4	10.4	4	135.2	\$531	1
FS HiSoy	HS 25X70	RRX	2.5	R	64.6	10.5	4	131.0	\$517	2
Renk	RS248NX	RRX	2.4	R	64.6	10.8	4	138.7	\$517	3
LG Seeds	LGS2444RX	RRX	2.4	R	63.9	10.5	4	136.0	\$511	4
Legend	LS 23X920N	RRX	2.3	MR	63.6	10.6	4	135.8	\$509	5
Titan Pro	TP 24X87	RRX	2.4	MR	63.5	10.8	4	139.0	\$508	6
Hefty	H25X9	RRX	2.5	MR	63.0	10.2	4	136.2	\$504	7
Viking	2188AT12N	None	2.4	MR	62.9	10.8	4	131.7	\$503	8
Kruger	K2X-2261	RRX	2.2	R	62.3	10.8	4	133.8	\$498	9
Pioneer	P22T73R §	RR	2.2	R	61.9	10.6	4	138.1	\$495	10
Legend	LS 24X842N	RRX	2.4	MR	61.9	10.9	4	137.3	\$495	11
Hefty	H24X8	RRX	2.4	MR	61.8	10.9	4	138.8	\$494	12
Becks	2559X2 GC	RRX	2.5	R	61.7	10.7	4	131.7	\$494	13
Hefty	H23X9	RRX	2.3	MR	61.6	10.7	4	137.6	\$493	14
FS HiSoy	HS 22X80	RRX	2.2	R	61.5	10.6	4	133.5	\$492	15
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	61.3	10.8	4	138.4	\$490	16
LG Seeds	LGS2239RX	RRX	2.2	R	60.9	10.5	4	135.7	\$487	17
Kruger	K2X-2573	RRX	2.5	R	60.8	10.4	4	139.3	\$486	18
Titan Pro	TP 22X68	RRX	2.2	MR	60.7	10.5	4	138.7	\$486	19
Hefty	H22X8	RRX	2.2	MR	60.5	10.5	4	138.7	\$484	20
Asgrow	AG24X7 §	RRX	2.4	R	60.5	10.7	4	136.6	\$484	21
Cornelius	CB22R88	RR2Y	2.2	R	60.3	10.6	4	138.8	\$482	22
Champion	24L17N	LL	2.4	R	60.2	10.9	4	137.0	\$482	23
Golden Harvest	GH2230X §	RRX	2.2	R	60.1	10.4	4	136.2	\$481	24
Titan Pro	TP 24L27	LL	2.4	MR	60.0	10.8	4	131.0	\$480	25
Latham	L2549R2X	RRX	2.5	R	59.9	10.5	4	131.7	\$479	26
Pioneer	P24A99X §	RRX	2.4	R	59.9	10.6	4	135.8	\$479	27
Legend	LS 24R563N	RR2Y	2.4	MR	59.8	10.5	4	136.6	\$478	28
Latham	L2295R2X	RRX	2.2	R	59.8	10.5	4	137.7	\$478	29
Legend	LS 25X924N	RRX	2.5	MR	59.7	10.5	4	134.6	\$478	30
Croplan	R2C2200 CK	RR2Y	2.2	R	57.5	10.4	4	138.8	\$460	43

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Averages = **59.5** **10.6** **4** **135.8** **\$476**
LSD (0.10) = 3.3 0.3 ns
LSD (0.25) = 2.3 0.2 ns
C.V. = 4.1

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: *Wet spring weather earlier in May delayed soybean planting in this area. Once planted, emergence was quick and stands were nice and uniform across this site. Rainfall was excessive throughout the season, but fell in a steady pattern as the season wore on. Total accumulation May through end of Sept was 33.8", which is 12.8" over the 30-yr average. Very little disease or pest pressure observed.*

† 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: 10/26/2018 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.