

2018 Soybean Top 30 Harvest Report
 Iowa North [IANO] NEW HAMPTON
 Mark Bruening, Chickasaw County, IA 50659



PREV. CROP/HERB: Corn / Acuron, Halex GT
 SOIL DESCRIPTION: Clyde clay loam, well drained, non-irrigated
 SOIL CONDITIONS: Low P, low K, 7.7 pH, 5.0% OM, 22.5 CEC
 TILLAGE/CULTIVATION: No-till
 PEST MANAGEMENT: Zidua Pro, 2,4-D, Prefix, Fusilade DX, Select
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 17 142,000 /A 30" Spacing
 HARVESTED - STAND: Oct 23 132,400 /A

Early-Season Test
Maturity Group 1.7 - 2.1
 S2018IANO04a

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
Stine	19RF32 §	RR2Y	1.9	R	60.0	10.7	0	136.5	\$480	1
Titan Pro	TP 18X97	RRX	1.8	MR	59.9	10.6	0	130.8	\$479	2
Viking	2155N	None	2.1	MR	57.6	11.0	0	130.5	\$461	3
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	57.1	10.6	0	137.4	\$457	4
Titan Pro	TP 21L15	LL	2.1	MR	57.1	10.7	0	124.3	\$457	5
LG Seeds	LGS2007RX	RRX	2.0	R	57.1	10.7	0	133.3	\$457	6
Pfister	20R23	RR2Y	2.0	R	57.1	10.7	0	134.1	\$457	7
Golden Harvest	GH1852X	RRX	1.8	R	57.0	10.8	0	130.3	\$456	8
Cornelius	CB18X80	RRX	1.8	R	56.9	10.7	0	133.3	\$455	9
Channel	1818R2X	RRX	1.8	R	56.3	10.7	0	129.4	\$450	10
Pioneer	P18T85R §	RRX	1.8	R	55.9	10.7	0	132.1	\$447	11
Kruger	K2X-2073	RRX	2.0	R	54.7	10.3	0	136.6	\$438	12
Golden Harvest	GH1915X	RRX	1.9	R	54.7	10.5	0	129.1	\$438	13
Golden Harvest	GH2041X	RRX	2.0	R	54.6	10.5	0	134.7	\$437	14
NK Brand	S20-J5X §	RRX	2.0	R	54.3	10.7	0	135.1	\$434	15
Cornelius	CB21X55	RRX	2.1	R	54.0	10.7	0	130.0	\$432	16
Stine	20RD20 §	RR2Y	2.0	R	53.5	10.5	0	134.4	\$428	17
Titan Pro	TP 20X98	RRX	2.0	MR	53.5	10.8	0	130.8	\$428	18
Hefty	H20X7	RRX	2.0	MR	53.2	10.6	0	135.5	\$426	19
Renk	RS207NX	RRX	2.0	R	53.2	10.8	0	131.6	\$426	20
Hoegemeyer	LL2221N	LL	2.2	R	53.1	10.7	0	131.7	\$425	21
Latham	L1748R2	RR2Y	1.7	R	52.9	10.6	0	132.4	\$423	22
NorthStar	NS 61903NXR2	RRX	1.9	MR	52.7	10.7	0	136.6	\$422	23
Kruger	K2X-2172	RRX	2.1	R	52.7	10.7	0	129.1	\$422	24
Dairyland	DSR-1950/R2Y	RR2Y	1.9	R	52.7	10.8	0	131.6	\$422	25
Hefty	H21X9	RRX	2.1	MR	52.6	10.7	0	128.9	\$421	26
Viking	2018N	None	2.0	MR	52.5	10.5	0	132.1	\$420	27
Asgrow	AG17X8 §	RRX	1.7	R	52.3	10.7	0	135.5	\$418	28
Champion	18X78N	RRX	1.8	R	52.3	10.8	0	135.5	\$418	29
FS HiSoy	HS 21X70	RRX	2.1	R	52.2	11.0	0	132.4	\$418	30
Croplan	R2C2200 CK	RR2Y	2.2	R	51.8	10.7	0	132.1	\$414	32

Corey Rozenboom

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

Averages = **51.9** **10.7** **0** **132.4** **\$416**
 LSD (0.10) = 3.3 ns ns
 LSD (0.25) = 2.3 ns ns
 C.V. = 4.6

Prev. years avg. yield, 54.5 bu/a, 16 yrs

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

TEST COMMENTS: *To say this area was wet all season is putting it mildly. Total rainfall from beginning May through end of Sept resulted in 38.25." That's 16.5" over the 30-yr average during those months. Soil saturation for extended periods stunted growth overall, however, this site drains very well and plants set good pod clusters all the way to the top. Very little lodging was observed and appeared 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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TILLAGE/CULTIVATION: No-till
PEST MANAGEMENT: Zidua Pro, 2,4-D, Prefix, Fusilade DX, Select
APPLIED N-P-K (units): 0-0-0
SEEDED - RATE - ROW: May 17 142,000 /A 30" Spacing
HARVESTED - STAND: Oct 23 131,300 /A

Full-Season Test
Maturity Group 2.2 - 2.5
S2018IANO04b

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
Latham	L2549R2X	RRX	2.5	R	61.4	10.4	0	125.7	\$491	1
Cornelius	CB22R88	RR2Y	2.2	R	58.8	10.4	0	130.8	\$470	2
LG Seeds	LGS2444RX	RRX	2.4	R	58.7	10.5	0	128.7	\$470	3
Cornelius	CB24R82	RR2Y	2.4	R	57.7	10.5	0	133.2	\$462	4
Becks	2559X2 GC	RRX	2.5	R	57.7	10.5	0	129.2	\$462	5
FS HiSoy	HS 24X80	RRX	2.4	R	57.5	10.6	0	131.4	\$460	6
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	57.3	10.7	0	139.2	\$458	7
LG Seeds	LGS2239RX	RRX	2.2	R	57.2	10.3	0	130.6	\$458	8
Titan Pro	TP 24X87	RRX	2.4	MR	56.9	11.0	0	138.4	\$455	9
FS HiSoy	HS 25X70	RRX	2.5	R	56.7	10.6	0	129.9	\$454	10
Champion	24L17N	LL	2.4	R	56.3	10.8	0	132.1	\$450	11
Renk	RS248NX	RRX	2.4	R	56.1	10.6	0	132.2	\$449	12
Legend	LS 24X842N	RRX	2.4	MR	56.0	10.8	0	135.7	\$448	13
Legend	LS 23X920N	RRX	2.3	MR	55.8	10.5	0	128.0	\$446	14
Latham	L2295R2X	RRX	2.2	R	55.5	10.5	0	132.8	\$444	15
Hefty	H23X9	RRX	2.3	MR	55.3	10.6	0	126.5	\$442	16
Renk	RS239NX	RRX	2.3	R	55.2	10.5	0	133.2	\$442	17
Hefty	H24X8	RRX	2.4	MR	55.2	10.9	0	134.0	\$442	18
Cornelius	CB22X32	RRX	2.2	R	55.0	10.2	0	127.8	\$440	19
FS HiSoy	HS 22X80	RRX	2.2	R	54.7	10.3	0	129.5	\$438	20
Latham	L2368R2X	RRX	2.3	R	54.5	10.5	0	128.1	\$436	21
Asgrow	AG24X7 §	RRX	2.4	R	54.4	10.8	0	131.3	\$435	22
Stine	24RH62 §	RR2Y	2.4	R	54.0	10.7	0	135.5	\$432	23
Kruger	K2X-2573	RRX	2.5	R	53.8	10.2	0	128.4	\$430	24
Champion	22X09N	RRX	2.2	R	53.8	10.4	0	130.5	\$430	25
NorthStar	NS 62444NXR2	RRX	2.4	MR	53.7	10.9	0	132.4	\$430	26
Becks	2339X2 GC	RRX	2.3	R	53.6	10.7	0	135.1	\$429	27
Kruger	K2X-2261	RRX	2.2	R	53.5	10.7	0	129.7	\$428	28
Golden Harvest	GH2230X §	RRX	2.2	R	53.4	10.3	0	131.9	\$427	29
Titan Pro	TP 24L27	LL	2.4	MR	53.4	10.6	0	131.4	\$427	30
Croplan	R2C2200 CK	RR2Y	2.2	R	52.6	10.6	0	135.1	\$421	36

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Averages =	53.7	10.6	0	131.3	\$430
LSD (0.10) =	3.0	0.3	ns		
LSD (0.25) =	2.1	0.2	ns		
C.V. =	4.1				

Prev. years avg. yield, 54.5 bu/a, 16 yrs

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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	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Asgrow	AG24X7 §	RRX	2.4	R	AC,PV	Renk	RS239NX	RRX	2.3	R	None
Becks	2339X2 GC	RRX	2.3	R	Es	Renk	RS248NX	RRX	2.4	R	EcTC
Becks	234L4 GC	LL	2.3	R	Es	Stine	24RH62 §	RR2Y	2.4	R	SF
Becks	2559X2 GC	RRX	2.5	R	Es	Titan Pro	TP 22X68	RRX	2.2	MR	None
Champion	2259CP	None	2.2	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	23X78N	RRX	2.3	R	EL	Viking	2188AT12N	None	2.4	MR	CMB
Champion	24L17N	LL	2.4	R	EL	Viking	2340KN	None	2.3	R	None
Cornelius	CB22R88	RR2Y	2.2	R	PG+	Viking	2418N	None	2.4	MR	None
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						

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.