

2018 Soybean Top 30 Harvest Report

Iowa North Central [IANC] MOORLAND

Jeff Loehr, Webster County, IA 50566



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

PREV. CROP/HERB: Corn / Staunch II, Impact, atrazine, Affiance
 SOIL DESCRIPTION: Webster-Nicollet clay loam, mod. well drained, non-irrigated
 SOIL CONDITIONS: Very high P, medium K, 6.7 pH, 4.7% OM, 22.3 CEC
 TILLAGE/CULTIVATION: Conventional w/ fall till
 PEST MANAGEMENT: Zidua Pro, Delaro, Leverage 360
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 23 142,000 /A 30" Spacing
 HARVESTED - STAND: Oct 24 132,100 /A

Early-Season Test
Maturity Group 2.1 - 2.5
 S2018IANC02a

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
Champion	24X98N	RRX	2.4	R	82.3	11.4	5	137.0	\$658	1
FS HiSoy	HS 24X80	RRX	2.4	R	76.6	11.2	1	133.8	\$613	2
Renk	RS248NX	RRX	2.4	R	76.4	11.3	1	138.2	\$611	3
Latham	L2549R2X	RRX	2.5	R	75.9	11.2	2	128.7	\$607	4
Titan Pro	TP 24X87	RRX	2.4	MR	75.7	11.3	1	135.2	\$606	5
Hefty	H24X8	RRX	2.4	MR	75.1	11.4	7	134.4	\$601	6
Cornelius	CB22R88	RR2Y	2.2	R	74.7	11.3	1	129.7	\$598	7
Stine	21RI32 §	RR2Y	2.1	R	74.1	11.3	1	137.4	\$593	8
LG Seeds	LGS2444RX	RRX	2.4	R	73.9	11.2	2	129.1	\$591	9
Viking	2155N	None	2.1	MR	73.8	11.4	4	134.0	\$590	10
Golden Harvest	GH2230X	RRX	2.2	R	73.6	11.2	1	133.8	\$589	11
Stine	24RH62 §	RR2Y	2.4	R	73.3	11.3	3	134.1	\$586	12
Cornelius	CB24X64	RRX	2.4	R	73.3	11.4	17	130.6	\$586	13
LG Seeds	C2126RX	RRX	2.1	R	72.8	11.3	6	137.1	\$582	14
Asgrow	AG23X8 §	RRX	2.3	R	72.5	11.3	2	136.8	\$580	16
Hoegemeyer	LL2221N	LL	2.2	R	72.2	11.3	1	135.7	\$578	17
Latham	L2295R2X	RRX	2.2	R	71.8	11.3	4	138.4	\$574	18
LG Seeds	LGS2239RX	RRX	2.2	R	71.5	11.2	12	129.1	\$572	19
Legend	LS 24X842N	RRX	2.4	MR	71.2	11.3	2	131.3	\$570	20
Latham	L2464R2X	RRX	2.4	R	70.6	11.3	1	131.7	\$565	21
Credenz	CZ2408LL	LL	2.4	R	70.3	11.3	1	131.9	\$562	22
Latham	L2228R2	RR2Y	2.2	R	69.8	11.3	1	132.2	\$558	23
Pfister	20R23	RR2Y	2.0	R	69.8	11.3	4	134.0	\$558	24
Hefty	H21X9	RRX	2.1	MR	69.6	11.3	1	138.7	\$557	25
FS HiSoy	HS 25X70	RRX	2.5	R	69.3	11.3	1	127.0	\$554	26
Kruger	K2X-2442	RRX	2.4	R	69.1	11.2	9	132.4	\$553	27
Champion	22X09N	RRX	2.2	R	68.9	11.3	1	131.4	\$551	28
FS HiSoy	HS 23X70	RRX	2.3	R	68.7	11.2	1	128.1	\$550	29
Champion	21X77N	RRX	2.1	R	68.7	11.2	3	133.2	\$550	30
Kruger	K2X-2261	RRX	2.2	R	68.6	11.3	1	124.8	\$549	31
Croplan	R2C2450 CK	RR2Y	2.4	R	72.7	11.2	1	131.3	\$582	15

Corey Rozenboom

Corey Rozenboom

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Averages = **68.8** **11.3** **5** **132.1** **\$550**
 LSD (0.10) = 3.0 0.1 9.1
 LSD (0.25) = 1.6 0.0 4.8
 C.V. = 4.2

Prev. years avg. yield, 51.4 bu/a, 6 yrs

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

TEST COMMENTS: *High-end soybean yields have been a challenge in this area over the past several years, however, conditions this season came together well for a really nice crop. Even with late May planting dates in the area, uniform stands and excellent plant health kept yield potential high through maturity. Showers were consistent; excessive at times. Total precip from May thru Sept was 11.8" over 30-yr ave.*

† 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: 10/28/2018 Revised:

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TILLAGE/CULTIVATION: Conventional w/ fall till
PEST MANAGEMENT: Zidua Pro, Delaro, Leverage 360
APPLIED N-P-K (units): 0-0-0
SEEDED - RATE - ROW: May 23 142,000 /A 30" Spacing
HARVESTED - STAND: Oct 24 132,200 /A

Full-Season Test
Maturity Group 2.6 - 2.9
S2018IANC02b

Top 30 of 45

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
Titan Pro	TP 28X47	RRX	2.8	MR	75.3	11.1	1	135.8	\$602	1
Kruger	K2X-2652	RRX	2.6	R	74.9	11.1	6	135.1	\$599	2
Golden Harvest	GH2788X §	RRX	2.7	R	70.7	11.2	1	132.7	\$566	4
Dairyland	DSR-2909/R2Y	RR2Y	2.9	R	70.2	11.1	1	132.5	\$562	5
Becks	2559X2 GC	RRX	2.5	R	70.0	11.2	1	137.0	\$560	6
Latham	L2638GT27	G27	2.6	R	69.7	11.2	1	137.9	\$558	7
Latham	L2682R2X	RRX	2.6	R	69.6	11.2	1	131.4	\$557	8
Cornelius	CB27X81	RRX	2.7	R	68.6	11.0	1	129.7	\$549	9
Credenz	CZ2601LL	LL	2.6	R	67.8	11.2	1	137.7	\$542	10
Cornelius	CB28R58	RR2Y	2.8	R	67.7	11.2	1	136.8	\$542	11
Champion	26X09N	RRX	2.6	MR	67.7	11.1	4	130.2	\$542	12
Legend	LS 28X840N	RRX	2.8	MR	67.6	11.1	2	128.7	\$541	13
Dairyland	DSR-2616/R2Y	RR2Y	2.6	MR	67.2	11.2	1	140.1	\$538	14
Hoegemeyer	LL2579N	LL	2.5	R	67.1	11.2	1	130.3	\$537	15
Pioneer	P27T59R §	RR	2.7	R	67.1	11.2	1	133.8	\$537	16
Champion	26L16N	LL	2.6	R	67.1	11.3	1	128.0	\$537	17
Stine	27RI02 §	RR2Y	2.7	R	66.8	11.2	4	131.0	\$534	18
Kruger	K2X-2863	RRX	2.8	R	66.6	11.1	1	134.3	\$533	19
Champion	28X78N	RRX	2.8	R	66.4	11.0	2	129.2	\$531	20
Latham	L2982GT27	G27	2.9	R	65.9	11.3	4	132.2	\$527	21
Pioneer	P28T08R §	RR	2.8	R	65.4	11.2	4	132.4	\$523	22
Hefty	H28X8	RRX	2.8	MR	65.3	11.1	1	135.8	\$522	23
Titan Pro	TP 26X37	RRX	2.6	MR	65.3	11.2	1	137.4	\$522	24
FS HiSoy	HS 27X80	RRX	2.7	R	65.1	11.2	1	125.1	\$521	25
FS HiSoy	HS 28X70	RRX	2.8	R	64.9	11.1	4	122.9	\$519	26
LG Seeds	LGS2759RX	RRX	2.7	R	64.8	11.1	1	129.4	\$518	27
Kruger	K2X-2971	RRX	2.9	R	64.4	11.2	1	131.3	\$515	28
Legend	LS 27R524N	RR2Y	2.7	MR	63.8	11.1	1	131.4	\$510	29
Cornelius	CB26X67	RRX	2.6	S	63.7	10.9	10	127.8	\$510	30
NK Brand	S29-K3X	RRX	2.9	R	63.1	11.3	9	135.2	\$505	31
Croplan	R2C2450 CK	RR2Y	2.4	R	71.3	11.2	1	134.1	\$570	3

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Averages = 65.1 11.2 2 132.2 \$521

LSD (0.10) = 2.8 0.1 ns

LSD (0.25) = 1.5 0.1 ns

C.V. = 4.0 Prev. years avg. yield, 51.4 bu/a, 6 yrs

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

TEST COMMENTS: *High-end soybean yields have been a challenge in this area over the past several years, however, conditions this season came together well for a really nice crop. Even with late May planting dates in the area, uniform stands and excellent plant health kept yield potential high through maturity. Showers were consistent; excessive at times. Total precip from May thru Sept was 11.8" over 30-yr av.*

† 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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2018 Soybean - Iowa North Central [IANC]

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	AG23X8 §	RRX	2.3	R	AC,PV	Pfister	24R201	RR2Y	2.4	R	CCB
Asgrow	AG24X7 §	RRX	2.4	R	AC,PV	Renk	RS207NX	RRX	2.0	R	EcTC
Champion	21X77N	RRX	2.1	R	EL	Renk	RS219NX	RRX	2.1	R	EcTC
Champion	22X09N	RRX	2.2	R	EL	Renk	RS239NX	RRX	2.3	R	None
Champion	24L17N	LL	2.4	R	EL	Renk	RS248NX	RRX	2.4	R	EcTC
Champion	24X98N	RRX	2.4	R	EL	Stine	21RI32 §	RR2Y	2.1	R	SF
Cornelius	CB22R88	RR2Y	2.2	R	PG+	Stine	24RH62 §	RR2Y	2.4	R	SF
Cornelius	CB23X00	RRX	2.3	R	PG+	Titan Pro	TP 21L15	LL	2.1	MR	IL,PV
Cornelius	CB24R82	RR2Y	2.4	R	PG+	Titan Pro	TP 22X68	RRX	2.2	MR	None
Cornelius	CB24X64	RRX	2.4	R	PG+	Titan Pro	TP 24L27	LL	2.4	MR	IL,PV
Credenz	CZ2312LL	LL	2.3	R	EE,PV,IL	Titan Pro	TP 24X87	RRX	2.4	MR	IL,PV
Credenz	CZ2408LL	LL	2.4	R	EE,PV,IL	Viking	2155N	None	2.1	MR	CMB
Croplan	R2C2450 CK	RR2Y	2.4	R	None	Viking	2188AT12N	None	2.4	MR	CMB
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	CMB	Viking	2340KN	None	2.3	R	None
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	CMB	Viking	2418N	None	2.4	MR	None
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	GH2041X	RRX	2.0	R	CCB,Me						
Golden Harvest	GH2230X	RRX	2.2	R	CCB,Me						
Golden Harvest	GH2537X	RRX	2.5	R	CCB,Me						
Hefty	H21X9	RRX	2.1	MR	DST						
Hefty	H23X9	RRX	2.3	MR	DST						
Hefty	H24X8	RRX	2.4	MR	DST						
Hefty	H25X9	RRX	2.5	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						
Kruger	K2X-2573	RRX	2.5	R	AC,PV,IL						
Latham	L2228R2	RR2Y	2.2	R	SS+						
Latham	L2295R2X	RRX	2.2	R	SS+						
Latham	L2464R2X	RRX	2.4	R	SS+						
Latham	L2549R2X	RRX	2.5	R	SS+						
Legend	LS 21X705N	RRX	2.1	MR	YPP						
Legend	LS 23X920N	RRX	2.3	MR	YPP						
Legend	LS 24R563N	RR2Y	2.4	MR	YPP						
Legend	LS 24X842N	RRX	2.4	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	S25-B6X	RRX	2.5	R	CCB,Me						
Pfister	20R23	RR2Y	2.0	R	CCB						

2018 Soybean - Iowa North Central [IANC]

Full-Season Test Products (45 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						
Becks	2559X2 GC	RRX	2.5	R	Es						
Champion	26L16N	LL	2.6	R	EL						
Champion	26X09N	RRX	2.6	MR	EL						
Champion	28X78N	RRX	2.8	R	EL,IL						
Cornelius	CB26X67	RRX	2.6	S	PG+						
Cornelius	CB27X81	RRX	2.7	R	PG+						
Cornelius	CB28R58	RR2Y	2.8	R	PG+						
Cornelius	CB29X90	RRX	2.9	R	PG+						
Credenz	CZ2601LL	LL	2.6	R	EE,PV,IL						
Credenz	CZ2928LL	LL	2.9	R	EE,PV,IL						
Croplan	R2C2450 CK	RR2Y	2.4	R	None						
Dairyland	DSR-2616/R2Y	RR2Y	2.6	MR	CMB						
Dairyland	DSR-2909/R2Y	RR2Y	2.9	R	CMB						
FS HiSoy	HS 27X80	RRX	2.7	R	ACi,IL						
FS HiSoy	HS 28X70	RRX	2.8	R	ACi,IL						
FS HiSoy	HS 29X80	RRX,ST	2.9	R	ACi,IL						
Golden Harvest	GH2788X §	RRX	2.7	R	CCB,Me						
Golden Harvest	GH2981X §	RRX	2.9	R	CCB,Me						
Hefty	H28X8	RRX	2.8	MR	DST						
Hefty	H29X8	RRX	2.9	MR	DST						
Hoegemeyer	LL2579N	LL	2.5	R	CMB						
Kruger	K2X-2652	RRX	2.6	R	AC,PV,IL						
Kruger	K2X-2863	RRX	2.8	R	AC,PV,IL						
Kruger	K2X-2971	RRX	2.9	R	AC,PV,IL						
Latham	L2638GT27	G27	2.6	R	SS+						
Latham	L2682R2X	RRX	2.6	R	SS+						
Latham	L2887R2X	RRX	2.8	R	SS+						
Latham	L2982GT27	G27	2.9	R	SS+						
Legend	LS 27R524N	RR2Y	2.7	MR	YPP						
Legend	LS 28X840N	RRX	2.8	MR	YPP						
Legend	LS 29X952N	RRX	2.9	MR	YPP						
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	S27-M8X	RRX	2.7	R	CCB,Me						
NK Brand	S29-K3X	RRX	2.9	R	CCB,Me						
Pioneer	P27T59R §	RR	2.7	R	None						
Pioneer	P28T08R §	RR	2.8	R	EE,G,IL,Lu						
Pioneer	P28T71X §	RRX	2.8	R	None						
Renk	RS269X	RRX	2.6	S	EcTC						
Renk	RS288NX	RRX	2.8	R	EcTC						
Stine	27RI02 §	RR2Y	2.7	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.