

2018 Soybean Top 30 Harvest Report
 Iowa North Central [IANC] WATERLOO
 Rottinghaus Farms, Black Hawk County, IA 50703



PREV. CROP/HERB: Corn / Corvus, Harness, atrazine
 SOIL DESCRIPTION: Marquis loam, mod. well drained, non-irrigated
 SOIL CONDITIONS: Very high P, high K, 6.2 pH, 3.0% OM, 14.5 CEC
 TILLAGE/CULTIVATION: No-till
 PEST MANAGEMENT: Prowl, Sonic, Flexstar
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 23 142,000 /A 30" Spacing
 HARVESTED - STAND: Oct 24 134,000 /A

Early-Season Test
Maturity Group 2.1 - 2.5
 S2018IANC04a

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
Renk	RS248NX	RRX	2.4	R	68.5	11.8	1	138.7	\$548	1
Hefty	H24X8	RRX	2.4	MR	67.3	11.9	1	134.6	\$538	2
Hoegemeyer	LL2221N	LL	2.2	R	67.1	11.9	1	135.5	\$537	3
NK Brand	S20-J5X §	RRX	2.0	R	66.7	11.1	1	134.4	\$534	4
FS HiSoy	HS 24X80	RRX	2.4	R	66.5	11.1	1	124.5	\$532	5
LG Seeds	LGS2444RX	RRX	2.4	R	65.8	11.3	1	132.5	\$526	6
Kruger	K2X-2442	RRX	2.4	R	65.7	11.8	6	132.4	\$526	7
Legend	LS 24X842N	RRX	2.4	MR	65.4	11.8	1	134.0	\$523	8
Golden Harvest	GH2230X	RRX	2.2	R	65.3	11.2	1	138.7	\$522	9
Pfister	24R201	RR2Y	2.4	R	64.5	11.8	1	134.4	\$516	10
Cornelius	CB24X64	RRX	2.4	R	64.5	11.9	1	134.6	\$516	11
Credenz	CZ2408LL	LL	2.4	R	64.4	11.3	1	134.0	\$515	12
Titan Pro	TP 24X87	RRX	2.4	MR	64.4	12.0	1	131.9	\$515	13
LG Seeds	C2126RX	RRX	2.1	R	64.2	11.4	9	134.0	\$514	14
Cornelius	CB22R88	RR2Y	2.2	R	63.8	11.4	1	128.9	\$510	15
Champion	24X98N	RRX	2.4	R	63.8	11.8	1	135.7	\$510	16
FS HiSoy	HS 25X70	RRX	2.5	R	63.5	11.1	1	125.9	\$508	17
Renk	RS207NX	RRX	2.0	R	63.4	11.5	1	134.4	\$507	18
Latham	L2228R2	RR2Y	2.2	R	63.2	11.4	1	138.2	\$506	19
Kruger	K2X-2573	RRX	2.5	R	63.0	11.2	1	131.4	\$504	20
Golden Harvest	GH2041X	RRX	2.0	R	63.0	11.4	1	137.1	\$504	21
Latham	L2295R2X	RRX	2.2	R	63.0	11.5	1	135.8	\$504	22
Credenz	CZ2312LL	LL	2.3	R	62.5	11.8	1	139.3	\$500	24
Latham	L2549R2X	RRX	2.5	R	62.4	11.2	1	131.0	\$499	25
Stine	21RI32 §	RR2Y	2.1	R	62.4	11.5	1	131.9	\$499	26
Cornelius	CB23X00	RRX	2.3	R	62.3	10.9	1	136.8	\$498	27
Hefty	H23X9	RRX	2.3	MR	62.3	11.4	1	134.1	\$498	28
Renk	RS219NX	RRX	2.1	R	62.2	11.5	1	134.0	\$498	29
Titan Pro	TP 24L27	LL	2.4	MR	61.8	11.7	1	125.9	\$494	30
Asgrow	AG24X7 §	RRX	2.4	R	61.5	11.4	1	133.6	\$492	31
Croplan	R2C2450 CK	RR2Y	2.4	R	62.9	11.5	1	128.1	\$503	

Corey Rozenboom

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Averages = **61.5** **11.5** **3** **134.0** **\$492**
 LSD (0.10) = 2.5 0.3 6.8
 LSD (0.25) = 1.3 0.1 3.6
 C.V. = 3.9

Prev. years avg. yield, 56.2 bu/a, 3 yrs

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

TEST COMMENTS: *Wet early spring weather delayed planting at this no-till site. Favorable conditions followed planting for ideal germination and final stands near 95%. Accumulated rainfall from May through the end of Sept was 35.6". That's 13.4" over the 30-yr average. Excellent drainage at this site allowed for tall, healthy plants, great flowering and seed size. It was a wet year but overall yields were good.*

† 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: Prowl, Sonic, Flexstar
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 23 142,000 /A 30" Spacing
 HARVESTED - STAND: Oct 24 134,400 /A

Full-Season Test
Maturity Group 2.6 - 2.9
 S2018IANC04b

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
Golden Harvest	GH2788X §	RRX	2.7	R	68.6	11.1	1	136.5	\$549	1
Dairyland	DSR-2616/R2Y	RR2Y	2.6	MR	67.3	10.8	1	136.8	\$538	2
Golden Harvest	GH2981X §	RRX	2.9	R	66.9	11.5	1	138.2	\$535	3
Cornelius	CB28R58	RR2Y	2.8	R	66.7	10.6	1	135.2	\$534	4
Credenz	CZ2601LL	LL	2.6	R	65.9	11.1	1	137.1	\$527	5
Legend	LS 28X840N	RRX	2.8	MR	65.5	10.9	1	135.1	\$524	6
LG Seeds	LGS2759RX	RRX	2.7	R	65.1	10.9	1	135.7	\$521	7
NK Brand	S27-M8X	RRX	2.7	R	65.0	11.1	1	137.0	\$520	8
Pioneer	P27T59R §	RR	2.7	R	64.9	10.5	1	139.6	\$519	9
FS HiSoy	HS 28X70	RRX	2.8	R	64.4	10.7	1	130.2	\$515	10
Legend	LS 27R524N	RR2Y	2.7	MR	63.9	10.7	1	134.9	\$511	11
Champion	28X78N	RRX	2.8	R	63.6	10.8	1	136.8	\$509	12
Latham	L2638GT27	G27	2.6	R	63.6	10.9	1	136.0	\$509	13
Hefty	H28X8	RRX	2.8	MR	63.5	10.6	1	137.1	\$508	14
Champion	26X09N	RRX	2.6	MR	63.4	10.7	1	132.4	\$507	15
Renk	RS288NX	RRX	2.8	R	63.4	10.9	1	137.0	\$507	16
Legend	LS 29X952N	RRX	2.9	MR	63.4	11.0	1	134.0	\$507	17
Hefty	H29X8	RRX	2.9	MR	63.3	10.9	1	139.5	\$506	18
Asgrow	AG26X8 §	RRX	2.6	R	63.1	11.1	1	137.7	\$505	19
Pioneer	P28T08R §	RR	2.8	R	63.0	10.7	1	131.3	\$504	20
FS HiSoy	HS 29X80	RRX,ST	2.9	R	63.0	11.0	1	134.0	\$504	21
Kruger	K2X-2652	RRX	2.6	R	62.6	10.7	1	131.6	\$501	22
Champion	26L16N	LL	2.6	R	62.6	10.9	1	133.8	\$501	23
NK Brand	S29-K3X	RRX	2.9	R	62.5	11.2	1	137.7	\$500	24
Becks	2559X2 GC	RRX	2.5	R	62.3	10.8	1	136.8	\$498	25
Cornelius	CB27X81	RRX	2.7	R	62.2	10.8	1	129.9	\$498	26
Latham	L2887R2X	RRX	2.8	R	62.1	10.7	1	135.1	\$497	27
FS HiSoy	HS 27X80	RRX	2.7	R	62.0	10.8	1	122.9	\$496	28
Hoegemeyer	LL2579N	LL	2.5	R	61.9	11.0	21	134.7	\$495	29
Titan Pro	TP 28X47	RRX	2.8	MR	61.8	10.7	1	132.1	\$494	30
Croplan	R2C2450 CK	RR2Y	2.4	R	61.7	11.1	1	135.5	\$494	33

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Averages = **62.7** **10.9** **2** **134.4** **\$501**
 LSD (0.10) = 2.1 0.2 5.1
 LSD (0.25) = 1.1 0.1 2.7
 C.V. = 3.2

Prev. years avg. yield, 56.2 bu/a, 3 yrs

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

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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.