

# 2017 Soybean Top 30 Harvest Report

Iowa North [ IANO ] EMMETSBURG  
Tom Kuecker, Palo Alto County, IA 50528



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

PREV. CROP/HERB: Corn / Harness ATZ, Halex GT, atrazine  
SOIL DESCRIPTION: Canisteo clay loam, mod. well drained, non-irrigated  
SOIL CONDITIONS: Medium P, medium K, 5.7 pH, 3.6% OM, 21.9 CEC  
TILLAGE/CULTIVATION: Conventional w/ fall till  
PEST MANAGEMENT: Warrant Ultra, Roundup, Fusilade, Priaxor, Endigo  
APPLIED N-P-K (units): 0-0-0  
SEEDED - RATE - ROW: May 25 140,300 /A 30" Spacing  
HARVESTED - STAND: Oct 17 127,000 /A

**Early-Season Test**  
**Maturity Group 1.7 - 2.1**  
S2017IANO01a

## 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	L1748R2	RR2Y	1.7	R	67.1	13.6	1	126.9	\$603	1
Channel	1917R2X	RRX	1.9	R	65.7	13.4	1	127.0	\$591	2
Kruger	K2X-1862	RRX	1.8	R	64.4	13.6	1	128.5	\$579	3
Hefty	H18X8	RRX	1.8	R	63.6	13.4	1	124.9	\$572	4
LG Seeds	C1838RX	RRX	1.8	R	63.0	13.6	1	122.5	\$566	5
Kruger	K2X-2152	RRX	2.1	MR	62.6	13.5	1	130.5	\$563	6
Renk	RS207NX	RRX	2.0	R	62.5	13.4	1	127.0	\$562	7
Cornelius	CB20X56	RRX	2.0	R	62.4	13.4	1	127.0	\$561	8
Hefty	H20X7	RRX	2.0	R	62.4	13.5	1	128.8	\$561	9
Cornelius	CB18X80	RRX	1.8	R	62.3	13.5	1	128.0	\$560	10
Channel	2017R2X	RRX	2.0	MR	62.0	13.6	1	125.2	\$557	11
Kruger	K2X-2052	RRX	2.0	R	61.7	13.7	1	128.0	\$554	12
Champion	20R35N	RR2Y	2.0	R	61.1	13.5	1	126.1	\$549	13
NK Brand	S20-T6 §	RR2Y	2.0	MR	61.1	13.6	1	127.7	\$549	14
Becks	185R2	RR2Y	1.8	R	60.7	13.8	1	126.1	\$545	15
Titan Pro	TP-18X97	RRX	1.8	MR	60.4	13.8	1	125.2	\$543	16
Legend	LS 17X802N	RRX	1.7	R	60.2	13.5	1	129.9	\$541	17
Asgrow	AG20X7 §	RRX	2.0	R	59.9	13.8	1	126.9	\$538	18
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	59.6	13.6	1	126.4	\$536	19
FS HiSoy	HS 21X70	RRX	2.1	R	59.6	13.7	1	126.7	\$536	20
Champion	20X98N	RRX	2.0	R	59.4	13.5	1	128.1	\$534	21
Champion	21X77N	RRX	2.1	R	59.4	13.8	1	126.1	\$534	22
Renk	RS188NX	RRX	1.8	R	59.1	13.6	1	129.5	\$531	23
Asgrow	AG17X8 §	RRX	1.7	R	59.0	13.8	1	127.0	\$530	24
Titan Pro	TP-21X46	RRX	2.1	R	58.8	13.3	1	125.8	\$529	25
Cornelius	CB20R44	RR2Y	2.0	R	58.7	13.5	1	128.0	\$528	26
Stine	20RD20 §	RR2Y	2.0	R	58.7	13.5	1	128.0	\$528	27
Latham	L2084R2	RR2Y	2.0	R	58.5	13.5	1	128.0	\$526	28
Renk	RS213NR2	RR2Y	2.1	R	58.4	13.8	1	126.0	\$525	29
Legend	LS 20X746N	RRX	2.0	R	58.3	13.5	1	127.5	\$524	30
Croplan	R2C2200 CK	RR2Y	2.2	R	57.5	13.6	1	127.7	\$517	39

*Corey Rozenboom*

Corey Rozenboom

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Averages = **59.2** **13.6** **1** **127.0** **\$532**  
LSD (0.10) = 2.5 0.3 ns  
LSD (0.25) = 1.3 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 = \$9.00 GMO; \$9.00 non-GMO

**TEST COMMENTS:** Slow start to bean harvest in the area due to rain the first 2 weeks of October. Rainfall totals from planting through R6 on Sept 12 was 1.4" below the area 30-yr average. Through the season, 4.1" came during vegetative stages, 2.3" from bloom to full pod and 10.8" from beginning seed to maturity. July was exceptionally dry. Late August rains rescued the crop by filling pods and increasing seed size.

† 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: 10/18/2017 Revised:

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TILLAGE/CULTIVATION: Conventional w/ fall till  
PEST MANAGEMENT: Warrant Ultra, Roundup, Fusilade, Priaxor, Endigo  
APPLIED N-P-K (units): 0-0-0  
SEEDED - RATE - ROW: May 25 140,300 /A 30" Spacing  
HARVESTED - STAND: Oct 17 128,000 /A

**Full-Season Test**  
**Maturity Group 2.2 - 2.5**  
S2017IANO01b

### Top 30 of 42

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	<b>60.7</b>	13.7	1	125.6	\$545	1
Titan Pro	TP-24X87	RRX	2.4	MR	<b>59.8</b>	13.9	1	128.6	\$537	2
Latham	L2368R2X	RRX	2.3	R	<b>59.6</b>	14.5	1	123.6	\$535	3
FS HiSoy	HS 25X70	RRX	2.5	R	<b>59.3</b>	13.6	1	132.7	\$533	4
Prairie Brand	PB-2486R2	RR2Y	2.4	R	<b>59.3</b>	13.8	1	128.3	\$533	5
Hefty	H24X8	RRX	2.4	R	<b>59.0</b>	13.9	1	129.5	\$530	6
Titan Pro	TP-24R26	RR2Y	2.4	R	<b>58.9</b>	13.7	1	128.0	\$529	7
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	<b>58.9</b>	13.8	1	126.9	\$529	8
Champion	22R38N	RR2Y	2.2	R	<b>58.9</b>	13.9	2	127.2	\$529	9
Pfister	24R201	RR2Y	2.4	R	58.5	13.7	1	131.1	\$526	10
Cornelius	CB24R82	RR2Y	2.4	R	58.5	13.8	1	129.2	\$526	11
Stine	24RH62 §	RR2Y	2.4	R	58.4	14.2	1	128.1	\$524	12
Cornelius	CB24X64	RRX	2.4	R	58.3	13.8	1	130.9	\$524	13
Renk	RS246NR2	RR2Y	2.4	R	58.2	13.8	1	128.1	\$523	14
Latham	L2228R2	RR2Y	2.2	R	58.2	13.8	1	129.5	\$523	15
FS HiSoy	HS 23X70	RRX	2.3	R	57.4	13.6	1	131.1	\$516	16
Pioneer	P22T41R2 §	RR2Y	2.2	R	57.4	13.7	4	127.0	\$516	17
Prairie Brand	PB-2228R2	RR2Y	2.2	R	57.0	13.9	1	127.7	\$512	19
Hefty	H25X8	RRX	2.5	R	56.9	13.7	1	128.6	\$511	20
<b>Kruger</b>	<b>K2X-2261</b>	<b>RRX</b>	<b>2.2</b>	<b>R</b>	<b>56.4</b>	<b>14.2</b>	<b>1</b>	<b>128.8</b>	<b>\$506</b>	<b>21</b>
Champion	22R07N	RR2Y	2.2	R	56.3	13.8	1	127.5	\$506	22
Golden Harvest	GH2537X §	RRX	2.5	R	56.2	14.1	1	130.5	\$505	23
Hefty	H22X8	RRX	2.2	R	55.8	13.5	1	126.1	\$502	24
Champion	23X78N	RRX	2.3	R	55.8	13.9	1	125.8	\$501	25
Federal	F2480NR2X	RR2Y	2.4	R	55.3	13.9	1	130.9	\$497	26
Latham	L2482R2	RR2Y	2.4	R	55.2	14.1	1	125.3	\$496	27
NorthStar	NS 2362NR2	RR2Y	2.3	R	55.1	13.7	1	128.6	\$495	28
Latham	L2458EXGT	BG	2.4	R	55.1	13.7	1	122.2	\$495	29
Champion	24R87N	RR2Y	2.4	R	55.0	14.2	1	128.3	\$494	30
Pioneer	P22T73R §	RR	2.2	R	54.9	14.2	1	127.5	\$493	31
Croplan	R2C2200 CK	RR2Y	2.2	R	57.0	13.8	1	128.1	\$512	18

*Corey Rozenboom*

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Averages = **56.5** **13.8** **1** **128.0** **\$507**  
LSD (0.10) = 2.2 0.3 ns  
LSD (0.25) = 1.2 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 = \$9.00 GMO; \$9.00 non-GMO

**TEST COMMENTS:** *Slow start to bean harvest in the area due to rain the first 2 weeks of October. Rainfall totals from planting through R6 on Sept 12 was 1.4" below the area 30-yr average. Through the season, 4.1" came during vegetative stages, 2.3" from bloom to full pod and 10.8" from beginning seed to maturity. July was exceptionally dry. Late August rains rescued the crop by filling pods and increasing seed size.*

† 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: 10/18/2017 Revised:

## 2017 Soybean - Iowa North [ IANO ]

### Early-Season Test Products (54 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	ACi	Renk	RS195NR2	RR2Y	1.9	R	EcTC
Asgrow	AG20X7 §	RRX	2.0	R	ACi	Renk	RS207NX	RRX	2.0	R	EcTC
Asgrow	AG21X7 §	RRX	2.1	R	ACi	Renk	RS213NR2	RR2Y	2.1	R	EcTC
Becks	185R2	RR2Y	1.8	R	Es,IL	Stine	19RF32 §	RR2Y	1.9	R	SFI
Champion	18R37N	RR2Y	1.9	R	EL	Stine	20RD20 §	RR2Y	2.0	R	SFI
Champion	20R35N	RR2Y	2.0	R	EL	Titan Pro	TP-18X97	RRX	1.8	MR	IS,IL
Champion	20X98N	RRX	2.0	R	EL	Titan Pro	TP-20R25	RR2Y	2.0	R	IS,IL
Champion	21X77N	RRX	2.1	R	EL	Titan Pro	TP-20X57	RRX	2.0	MR	IS,IL
Channel	1917R2X	RRX	1.9	R	ACi	Titan Pro	TP-21X46	RRX	2.1	R	IS,IL
Channel	2017R2X	RRX	2.0	MR	ACi						
Cornelius	CB18X80	RRX	1.8	R	PG+						
Cornelius	CB19R71	RR2Y	1.9	R	PG+						
Cornelius	CB20R44	RR2Y	2.0	R	PG+						
Cornelius	CB20X56	RRX	2.0	R	PG+						
Croplan	R2C2200 CK	RR2Y	2.2	R	W,IL						
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	CMB						
Dairyland	DSR-1950/R2Y	RR2Y	1.9	R	CMB						
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	CMB						
FS HiSoy	HS 18X70	RRX	1.8	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	H18X8	RRX	1.8	R	DST						
Hefty	H20X7	RRX	2.0	R	DST						
Kruger	K2X-1862	RRX	1.8	R	ACi						
Kruger	K2X-2052	RRX	2.0	R	ACi						
Kruger	K2X-2152	RRX	2.1	MR	ACi						
Latham	L1748R2	RR2Y	1.7	R	SS+						
Latham	L1845R2X	RRX	1.8	MR	SS+						
Latham	L2084R2	RR2Y	2.0	R	CCB,Me						
Latham	L2184R2X	RRX	2.1	R	CCB,Me						
Legend	LS 17X802N	RRX	1.7	R	YPP						
Legend	LS 20X746N	RRX	2.0	R	YPP						
Legend	LS 21X705N	RRX	2.1	R	YPP						
LG Seeds	C1838RX	RRX	1.8	R	ASfi,IL						
LG Seeds	C1870R2	RR2Y	1.8	R	ASfi,IL						
NK Brand	S20-T6 §	RR2Y	2.0	MR	CCB,Me						
NorthStar	NS 2031NR2	RR2Y	2.0	R	CCB						
NorthStar	NS 62002NXR2	RRX	2.0	R	CCB						
Pfister	20R23	RR2Y	2.0	R	CCB						
Pfister	21R205	RR2Y	2.1	R	CCB						
Prairie Brand	PB-1947R2	RR2Y	1.9	R	CMB						
Prairie Brand	PB-2197R2	RR2Y	2.1	R	CMB						
Renk	RS188NX	RRX	1.8	R	AM,IL						

**2017 Soybean - Iowa North [ IANO ]**

**Full-Season Test Products (42 Total)**

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Champion	22R07N	RR2Y	2.2	R	EL
Champion	22R38N	RR2Y	2.2	R	EL
Champion	23X78N	RRX	2.3	R	ELV
Champion	24R87N	RR2Y	2.4	R	EL
Cornelius	CB22R88	RR2Y	2.2	R	PG+
Cornelius	CB22X73	RRX	2.2	R	PG+
Cornelius	CB24R82	RR2Y	2.4	R	PG+
Cornelius	CB24X64	RRX	2.4	R	PG+
Croplan	R2C2200 CK	RR2Y	2.2	R	W,IL
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	CMB
Federal	F2480NR2X	RR2Y	2.4	R	MAG
FS HiSoy	HS 23A42	RR2Y	2.3	R	ACi, IL
FS HiSoy	HS 23X70	RRX	2.3	R	ACi, IL
FS HiSoy	HS 24X70	RRX	2.4	R	ACi, IL
FS HiSoy	HS 25X70	RRX	2.5	R	ACi, IL
Golden Harvest	GH2537X §	RRX	2.5	R	CCB,Me
Hefty	H22X8	RRX	2.2	R	DST
Hefty	H23X8	RRX	2.3	S	DST
Hefty	H24X8	RRX	2.4	R	DST
Hefty	H25X8	RRX	2.5	R	DST
Kruger	K2X-2261	RRX	2.2	R	ACi
Latham	L2228R2	RR2Y	2.2	R	CCB,Me
Latham	L2368R2X	RRX	2.3	R	CCB,Me
Latham	L2458EXGT	BG	2.4	R	SS+
Latham	L2482R2	RR2Y	2.4	R	SS+
LG Seeds	C2201RX	RRX	2.2	R	ASfi,IL
LG Seeds	C2255R2	RR2Y	2.2	R	ASfi,IL
LG Seeds	C2441R2	RR2Y	2.4	R	ASfi,IL
NorthStar	NS 2362NR2	RR2Y	2.3	R	CCB
NorthStar	NS 62323NX2	RRX	2.3	R	CCB
Pfister	24R201	RR2Y	2.4	R	CCB
Pioneer	P22T41R2 §	RR2Y	2.2	R	None
Pioneer	P22T73R §	RR	2.2	R	EE,G,IL
Pioneer	P25T51R §	RR	2.5	R	EE,G
Prairie Brand	PB-2228R2	RR2Y	2.2	R	CMB
Prairie Brand	PB-2486R2	RR2Y	2.4	R	CMB
Renk	RS228NX	RRX	2.2	R	AM,IL
Renk	RS246NR2	RR2Y	2.4	R	AM,IL
Renk	RS248NX	RRX	2.4	R	AM,IL
Stine	24RH62 §	RR2Y	2.4	R	SFI
Titan Pro	TP-24R26	RR2Y	2.4	R	IS,IL
Titan Pro	TP-24X87	RRX	2.4	MR	IS,IL

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt

## Footnotes and Abbreviation Descriptions

### Brand Footnotes

^	G2 <sup>®</sup> brand seed is distributed by NuTech Seed, LLC. RPM <sup>®</sup> brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX <sup>®</sup> brand seed is distributed by Seed Consultants, Inc. VPM <sup>®</sup> brand seed is distributed by AgVenture, Inc. XL <sup>®</sup> brand seed is distributed by Beck's Superior Hybrids. Curry <sup>®</sup> , G2 <sup>®</sup> , HPT <sup>®</sup> , RPM <sup>®</sup> , Supreme EX <sup>®</sup> , VPM <sup>®</sup> and XL <sup>®</sup> are registered trademarks of DuPont Pioneer.
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

BG	Balance™ GT
LL	LibertyLink <sup>®</sup>
None	Conventional, non-GMO
RR	Glyphosate tolerant
RR2Y	Genuity <sup>®</sup> Roundup Ready 2 Yield <sup>®</sup>
RRX	Roundup Ready 2 Xtend <sup>®</sup>
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 unavailable	Gr+	Great Start™ Max Plus
A2020	Alert 2020™	I	insecticide
AC	Acceleron <sup>®</sup> fungicide products	IL	ILeVO <sup>®</sup>
ACi	Acceleron <sup>®</sup> fungicide and insecticide products	In	Intego™ Solo
AG	ArmourGuard™	IS	Intego™ Suite
AM	ApronMaxx <sup>®</sup>	MAG	Maximum ArmourGuard™
ASfi	AgriShield <sup>®</sup> F+I	Me	Mertect <sup>®</sup>
AVB	Avicta <sup>®</sup> Complete Beans	Mg	Magnum ST™ (standard)
AVBV	Avicta <sup>®</sup> Complete Beans with Vibrance <sup>®</sup>	NCFI	N-Compass™ Plus F/I
CCB	Clariva™ Complete Beans	None	untreated
CI	Clariva™ pn	Pd	proTect D™
CMB	CruiserMaxx <sup>®</sup> Beans	Pdi	proTect D/I™
CMBV	CruiserMaxx <sup>®</sup> Beans with Vibrance <sup>®</sup>	PG+	Profit Guard +™
DPHB	DPH Boost <sup>®</sup>	PS	MAS Pro-Shield
DST	Dominance™ ST	PV	Poncho <sup>®</sup> /Votivo <sup>®</sup>
DX	Defend™ Extra	SDPI	Servo™ DPI
EcTC	Eclipse™ US Total coverage	SFI	Stine XP fungicide & insecticide
EE	Evergol™ Energy	SS	Soyshield™
EL	Elevate™ F+I	SS+	Soyshield Plus™
ELV	Elevate™ VIP (F+I+N)	SStd	SureStand™
En	Encase <sup>®</sup>	TE	Trius Elite™
EQV	Equity <sup>®</sup> VIP	TT	Turbo Treat™
Es	Escalate™	W	Warden <sup>®</sup> CX
F	fungicide	Wr	Warden <sup>®</sup> RTA
G	Gaicho <sup>®</sup>	YPP	YP Pro™

\* Seed treatments may include unspecified plant health promoting components.