

**2017 Soybean Top 30 Harvest Report**  
 Iowa North Central [ IANC ] WATERLOO  
 Rottinghaus Farms, Black Hawk County, IA 50703



PREV. CROP/HERB: Corn / Corvus, atrazine, Laudis  
 SOIL DESCRIPTION: Marquis-Readlyn silty clay loam, well drained, non-irrigated  
 SOIL CONDITIONS: Very high P, very high K, 5.8 pH, 2.9% OM, 15.8 CEC  
 TILLAGE/CULTIVATION: Strip-till  
 PEST MANAGEMENT: Fierce, 2,4-D, Roundup  
 APPLIED N-P-K (units): 0-0-0  
 SEEDED - RATE - ROW: May 27 140,300 /A 30" Spacing  
 HARVESTED - STAND: Oct 19 132,600 /A

**Early-Season Test**  
**Maturity Group 2.1 - 2.5**  
 S2017IANC04a

**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
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	<b>63.9</b>	12.5	0	129.9	\$575	1
Kruger	K2X-2152	RRX	2.1	MR	<b>63.4</b>	12.9	0	132.8	\$571	2
Hefty	H22X7	RRX	2.2	R	<b>63.3</b>	12.5	0	135.2	\$570	3
Legend	LS 24R563N	RR2Y	2.4	R	<b>62.9</b>	12.7	0	132.5	\$566	4
Latham	L2228R2	RR2Y	2.2	R	<b>62.5</b>	12.9	0	133.0	\$563	6
Cornelius	CB24X64	RRX	2.4	R	<b>62.2</b>	13.0	0	135.2	\$560	7
Kruger	K2X-2261	RRX	2.2	R	<b>62.0</b>	12.5	0	133.9	\$558	8
Cornelius	CB24R82	RR2Y	2.4	R	<b>61.6</b>	12.7	0	128.5	\$554	9
Hefty	H25X8	RRX	2.5	R	61.2	12.8	0	135.9	\$551	10
Cornelius	CB22X73	RRX	2.2	R	61.1	12.5	0	128.1	\$550	11
FS HiSoy	HS 25X70	RRX	2.5	R	61.1	12.9	0	131.4	\$550	12
Titan Pro	TP-21X46	RRX	2.1	R	60.8	12.7	0	127.8	\$547	13
FS HiSoy	HS 23X70	RRX	2.3	R	60.8	12.9	0	131.1	\$547	14
Pfister	21R205	RR2Y	2.1	R	60.7	12.8	0	128.6	\$546	15
Prairie Brand	PB-2197R2	RR2Y	2.1	R	60.4	12.8	0	133.6	\$544	16
Pfister	24R201	RR2Y	2.4	R	60.4	12.9	0	135.5	\$544	17
Jacobsen Seed	J761NR2X	RRX	2.1	R	60.4	13.0	0	134.1	\$544	18
Golden Harvest	GH2230X	RRX	2.2	R	60.4	13.0	0	130.9	\$544	19
Stine	21RI32 §	RR2Y	2.1	R	60.1	12.7	0	131.1	\$541	20
LG Seeds	C2520R2	RR2Y	2.5	R	60.0	12.9	0	135.3	\$540	21
Latham	L2184R2X	RRX	2.1	R	60.0	13.1	0	130.2	\$540	22
Renk	RS246NR2	RR2Y	2.4	R	59.8	12.9	0	129.9	\$538	23
Asgrow	AG21X7 §	RRX	2.1	R	59.7	12.7	0	131.4	\$537	24
Titan Pro	TP-24X87	RRX	2.4	MR	59.6	12.7	0	135.2	\$536	25
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	59.4	12.9	0	135.3	\$535	26
Titan Pro	TP-24R26	RR2Y	2.4	R	59.3	12.8	0	133.3	\$534	27
Cornelius	CB22R88	RR2Y	2.2	R	59.2	12.7	0	135.9	\$533	28
Prairie Brand	PB-2486R2	RR2Y	2.4	R	59.1	12.8	0	133.0	\$532	29
FS HiSoy	HS 24X70	RRX	2.4	R	59.1	12.9	0	134.1	\$532	30
Hefty	H22X8	RRX	2.2	R	59.0	12.6	0	131.6	\$531	31
Croplan	R2C2450 CK	RR2Y	2.4	R	<b>62.7</b>	12.6	0	134.4	\$564	5

*Corey Rozenboom*

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

Averages = **59.3** **12.8** **0** **132.6** **\$534**  
 LSD (0.10) = 2.0 ns ns  
 LSD (0.25) = 1.0 ns ns  
 C.V. = 3.2

Prev. years avg. yield, 53.6 bu/a, 2 yrs

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$9.00 GMO; \$9.00 non-GMO

**TEST COMMENTS:** This site was planted into strip-tilled corn following a period of mid-May showers. White mold was found on scattered plants and appeared variety specific. July was dry. August was cool. Through the season, 7.7" came during vegetative stages, 2.2" from bloom thru full pod and 3.4" from beginning seed through maturity. Rainfall total, planting to R6 was 4.4" below the 30-yr area average.

† 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: Strip-till  
 PEST MANAGEMENT: Fierce, 2,4-D, Roundup  
 APPLIED N-P-K (units): 0-0-0  
 SEEDED - RATE - ROW: May 27 140,300 /A 30" Spacing  
 HARVESTED - STAND: Oct 19 132,400 /A

**Full-Season Test**  
**Maturity Group 2.6 - 2.9**  
 S2017IANC04b

**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
Champion	28R85N	RR2Y	2.8	R	<b>60.6</b>	13.4	0	132.2	\$545	2
Kruger	K2X-2852	RRX	2.8	R	<b>60.3</b>	13.0	0	134.2	\$543	3
Hefty	H26X7	RRX	2.6	R	<b>59.5</b>	13.0	0	133.3	\$536	4
Latham	L2758R2	RR2Y	2.7	R	<b>59.5</b>	13.0	0	132.2	\$536	5
Pioneer	P28T08R §	RR	2.8	R	<b>58.6</b>	13.1	0	131.6	\$527	6
Dairyland	DSR-2909/R2Y	RR2Y	2.9	R	57.4	13.1	0	133.8	\$516	7
Latham	L2887R2X	RRX	2.8	R	57.4	13.1	0	129.2	\$516	8
Titan Pro	TP-26R35	RR2Y	2.6	MR	57.1	13.1	0	132.3	\$514	9
Champion	26X98N	RRX	2.6	R	57.1	13.3	0	138.1	\$514	10
Titan Pro	TP-26X37	RRX	2.6	MR	57.0	13.3	0	132.0	\$513	11
FS HiSoy	HS 29X70	RRX	2.9	R	56.9	13.1	0	131.4	\$512	12
Pfister	29R25	RR2Y	2.9	R	56.9	13.1	0	129.1	\$512	13
Channel	2617R2X	RRX	2.6	R	56.9	13.1	0	132.8	\$512	14
Cornelius	CB26R30	RR2Y	2.6	MR	56.8	13.1	0	130.2	\$511	15
Dairyland	DSR-2616/R2Y	RR2Y	2.6	MR	56.6	13.3	0	133.9	\$509	16
Kruger	K2X-2652	RRX	2.6	R	56.4	13.0	0	131.1	\$508	17
Stine	28RH02 §	RR2Y	2.8	R	56.1	13.1	0	134.7	\$505	18
Hefty	H27X6	RRX	2.7	R	55.8	13.0	0	133.1	\$502	19
Renk	RS288NX	RRX	2.8	R	55.6	13.3	0	133.3	\$500	20
Golden Harvest	GH2788X	RRX	2.7	R	55.4	13.1	0	129.5	\$498	21
Cornelius	CB28X73	RRX	2.8	R	55.4	13.2	0	133.0	\$498	22
Kruger	K2X-2863	RRX	2.8	R	55.4	13.2	0	134.2	\$498	23
Renk	RS268NX	RRX	2.6	R	55.4	13.3	0	131.1	\$498	24
Champion	26R36N	RR2Y	2.6	MR	55.2	13.1	0	131.4	\$497	25
Legend	LS 27R524N	RR2Y	2.7	R	55.1	13.0	0	137.0	\$496	26
Latham	L2982EXGT	BG	2.9	R	54.6	13.0	0	128.6	\$491	27
Cornelius	CB27X81	RRX	2.7	R	54.4	13.0	0	130.6	\$490	28
Jacobsen Seed	J878NR2X	RRX	2.8	R	53.9	13.2	0	134.1	\$485	29
Hefty	H29X8	RRX	2.9	R	53.7	13.1	0	129.7	\$483	30
Channel	2918R2X	RRX	2.9	R	53.7	13.2	0	133.4	\$483	31
Croplan	R2C2450 CK	RR2Y	2.4	R	<b>60.8</b>	13.2	0	132.5	\$547	1

*Corey Rozenboom*

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Averages = **55.3** **13.1** **0** **132.4** **\$498**  
 LSD (0.10) = 2.5 ns ns  
 LSD (0.25) = 1.3 ns ns  
 C.V. = 4.3

Prev. years avg. yield, 53.6 bu/a, 2 yrs

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$9.00 GMO; \$9.00 non-GMO

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Report Date: 10/22/2017 Revised:

## 2017 Soybean - Iowa North Central [ IANC ]

### Early-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Asgrow	AG21X7 §	RRX	2.1	R	ACi
Asgrow	AG23X8 §	RRX	2.3	R	ACi
Asgrow	AG24X7 §	RRX	2.4	R	ACi
Champion	21X77N	RRX	2.1	R	EL
Champion	22R07N	RR2Y	2.2	R	EL
Champion	22R38N	RR2Y	2.2	R	EL
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	R2C2450 CK	RR2Y	2.4	R	W,IL
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	CMB
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	CMB
Federal	F2480NR2X	RRX	2.4	R	MAG
FS HiSoy	HS 22X70	RRX	2.2	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	GH1852X §	RRX	1.8	R	CCB,Me
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	H22X7	RRX	2.2	R	DST
Hefty	H22X8	RRX	2.2	R	DST
Hefty	H23X8	RRX	2.3	S	DST
Hefty	H25X8	RRX	2.5	R	DST
Jacobsen Seed	J761NR2X	RRX	2.1	R	AC,PV
Jacobsen Seed	J764NR2	RR2Y	2.4	R	AC,PV
Jacobsen Seed	J774NR2X	RRX	2.4	R	AC,PV
Kruger	K2X-2052	RRX	2.0	R	ACi
Kruger	K2X-2152	RRX	2.1	MR	ACi
Kruger	K2X-2261	RRX	2.2	R	ACi
Latham	L2184R2X	RRX	2.1	R	CCB,Me
Latham	L2228R2	RR2Y	2.2	R	CCB,Me
Latham	L2368R2X	RRX	2.3	R	CCB,Me
Latham	L2484R2X	RRX	2.4	R	SS+
Legend	LS 24R563N	RR2Y	2.4	R	YPP
LG Seeds	C2441R2	RR2Y	2.4	R	ASfi,IL
LG Seeds	C2520R2	RR2Y	2.5	R	ASfi,IL
NK Brand	S22-S1 §	RR2Y	2.2	R	CCB,Me
Pfister	21R205	RR2Y	2.1	R	CCB
Pfister	24R201	RR2Y	2.4	R	CCB
Prairie Brand	PB-2197R2	RR2Y	2.1	R	CMB
Prairie Brand	PB-2228R2	RR2Y	2.2	R	CMB
Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Prairie Brand	PB-2486R2	RR2Y	2.4	R	CMB
Renk	RS213NR2	RR2Y	2.1	R	EcTC
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	21RI32 §	RR2Y	2.1	R	SF1
Titan Pro	TP-21X46	RRX	2.1	R	IS,IL
Titan Pro	TP-24R26	RR2Y	2.4	R	IS,IL
Titan Pro	TP-24X87	RRX	2.4	MR	IS,IL

**2017 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
Champion	26R36N	RR2Y	2.6	MR	EL						
Champion	26X98N	RRX	2.6	R	None						
Champion	28R85N	RR2Y	2.8	R	EL						
Champion	28X78N	RRX	2.8	R	EL						
Channel	2617R2X	RRX	2.6	R	ACi						
Channel	2918R2X	RRX	2.9	R	ACi						
Cornelius	CB26R30	RR2Y	2.6	MR	PG+						
Cornelius	CB26X70	RRX	2.6	R	PG+						
Cornelius	CB27X81	RRX	2.7	R	PG+						
Cornelius	CB28X73	RRX	2.8	R	PG+						
Croplan	R2C2450 CK	RR2Y	2.4	R	W,IL						
Dairyland	DSR-2616/R2Y	RR2Y	2.6	MR	CMB						
Dairyland	DSR-2909/R2Y	RR2Y	2.9	R	CMB						
FS HiSoy	HS 27X60	RRX	2.7	R	ACi, IL						
FS HiSoy	HS 28X70	RRX	2.8	R	ACi, IL						
FS HiSoy	HS 29X70	RRX	2.9	R	ACi, IL						
Golden Harvest	GH2788X	RRX	2.7	R	CCB,Me						
Hefty	H26X7	RRX	2.6	R	DST						
Hefty	H27X6	RRX	2.7	R	DST						
Hefty	H28X8	RRX	2.8	R	DST						
Hefty	H29X8	RRX	2.9	R	DST						
Jacobsen Seed	J876NR2X	RRX	2.6	R	AC,PV						
Jacobsen Seed	J878NR2X	RRX	2.8	R	AC,PV						
Kruger	K2X-2652	RRX	2.6	R	ACi						
Kruger	K2X-2852	RRX	2.8	R	ACi						
Kruger	K2X-2863	RRX	2.8	R	ACi						
Latham	L2682R2X	RRX	2.6	R	SS+						
Latham	L2758R2	RR2Y	2.7	R	CCB,Me						
Latham	L2887R2X	RRX	2.8	R	CCB,Me						
Latham	L2982EXGT	BG	2.9	R	SS+						
Legend	LS 27R524N	RR2Y	2.7	R	YPP						
Legend	LS 28X840N	RRX	2.8	R	YPP						
LG Seeds	C2888RX	RRX	2.8	R	ASfi,IL						
Pfister	26R207	RR2Y	2.6	R	CCB						
Pfister	29R25	RR2Y	2.9	R	CCB						
Pioneer	P25T51R §	RR	2.5	R	EE,G						
Pioneer	P27T59R §	RR	2.7	R	None						
Pioneer	P28T08R §	RR	2.8	R	None						
Renk	RS268NX	RRX	2.6	R	AM,IL						
Renk	RS288NX	RRX	2.8	R	AM,IL						
Stine	28RH02 §	RR2Y	2.8	R	SFI						
Stine	29RI32 §	RR2Y	2.9	R	SFI						
Titan Pro	TP-26R35	RR2Y	2.6	MR	IS,IL						
Titan Pro	TP-26X37	RRX	2.6	MR	IS,IL						
Titan Pro	TP-28X47	RRX	2.8	MR	IS,IL						

## 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.