

## 2017 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 / Verdict, Armezon, atrazine  
 SOIL DESCRIPTION: Webster-Nicollet clay loam, well drained, non-irrigated  
 SOIL CONDITIONS: Very high P, medium K, 7.0 pH, 4.5% OM, 31.2 CEC  
 TILLAGE/CULTIVATION: Conventional w/ fall till  
 PEST MANAGEMENT: Zidua Pro, Warrant, Flexstar, Select  
 APPLIED N-P-K (units): 0-0-0  
 SEEDED - RATE - ROW: May 30 141,000 /A 30" Spacing  
 HARVESTED - STAND: Oct 19 130,200 /A

**Early-Season Test**  
**Maturity Group 2.1 - 2.5**  
 S2017IANC02a

### 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
Cornelius	CB22X73	RRX	2.2	R	62.5	12.3	1	129.3	\$563	1
Hefty	H25X8	RRX	2.5	R	61.4	12.4	1	134.0	\$553	2
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	61.2	12.5	1	131.4	\$551	3
Cornelius	CB24R82	RR2Y	2.4	R	61.0	12.4	1	132.4	\$549	4
Hefty	H22X8	RRX	2.2	R	60.7	12.5	1	134.4	\$546	5
Titan Pro	TP-24R26	RR2Y	2.4	R	60.5	12.6	1	128.0	\$545	6
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	60.2	12.5	1	127.8	\$542	7
Kruger	K2X-2152	RRX	2.1	MR	59.9	12.5	1	132.9	\$539	8
LG Seeds	C2520R2	RR2Y	2.5	R	59.4	12.4	1	130.7	\$535	10
Prairie Brand	PB-2486R2	RR2Y	2.4	R	59.4	12.5	1	130.3	\$535	11
Pfister	24R201	RR2Y	2.4	R	59.3	12.5	1	128.8	\$534	12
Pfister	21R205	RR2Y	2.1	R	59.2	12.3	1	136.1	\$533	13
LG Seeds	C2441R2	RR2Y	2.4	R	59.2	12.5	1	130.8	\$533	14
Renk	RS246NR2	RR2Y	2.4	R	59.1	12.5	1	128.3	\$532	15
Asgrow	AG23X8 §	RRX	2.3	R	59.0	12.4	1	130.7	\$531	16
Prairie Brand	PB-2197R2	RR2Y	2.1	R	58.9	12.5	1	131.8	\$530	17
Legend	LS 24R563N	RR2Y	2.4	R	58.8	12.4	1	132.7	\$529	18
Jacobsen Seed	J761NR2X	RRX	2.1	R	58.2	12.4	1	129.9	\$524	19
Kruger	K2X-2261	RRX	2.2	R	58.1	12.3	1	132.2	\$523	20
Cornelius	CB22R88	RR2Y	2.2	R	58.1	12.4	1	132.9	\$523	21
Golden Harvest	GH2537X §	RRX	2.5	R	58.1	12.5	1	129.7	\$523	22
FS HiSoy	HS 24X70	RRX	2.4	R	58.0	12.4	1	130.2	\$522	23
Asgrow	AG21X7 §	RRX	2.1	R	57.6	12.5	1	129.6	\$518	24
Renk	RS228NX	RRX	2.2	R	57.1	12.3	1	130.7	\$514	25
Stine	21RI32 §	RR2Y	2.1	R	57.1	12.6	1	124.7	\$514	26
Champion	24R87N	RR2Y	2.4	R	56.8	12.7	1	131.8	\$511	27
NK Brand	S22-S1 §	RR2Y	2.2	R	56.7	12.5	1	129.7	\$510	28
Champion	22R07N	RR2Y	2.2	R	56.1	12.4	1	130.2	\$505	29
Prairie Brand	PB-2228R2	RR2Y	2.2	R	56.0	12.5	1	128.5	\$504	30
FS HiSoy	HS 25X70	RRX	2.5	R	55.9	12.4	1	134.4	\$503	31
Croplan	R2C2450 CK	RR2Y	2.4	R	59.8	12.6	1	131.0	\$538	9

Corey Rozenboom

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

Averages = **56.5** **12.5** **1** **130.2** **\$509**  
 LSD (0.10) = 1.8 ns ns  
 LSD (0.25) = 1.0 ns ns  
 C.V. = 3.1

Prev. years avg. yield, 48.7 bu/a, 5 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 can be a tough area for beans and it was very dry here. Plant heights were a bit shorter than normal. Several pods were found with a seed that didn't fill. Through the season, 3" came during vegetative stages, 1.4" from bloom to full pod and 5.7" from beginning seed through maturity. Late August rains came but earlier plant stress couldn't be overcome to bring big yields. Seed size varied.

† 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: 10/22/2017 Revised:

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SOIL CONDITIONS: Very high P, medium K, 7.0 pH, 4.5% OM, 31.2 CEC  
TILLAGE/CULTIVATION: Conventional w/ fall till  
PEST MANAGEMENT: Zidua Pro, Warrant, Flexstar, Select  
APPLIED N-P-K (units): 0-0-0  
SEEDED - RATE - ROW: May 30 141,000 /A 30" Spacing  
HARVESTED - STAND: Oct 19 129,600 /A

**Full-Season Test**  
**Maturity Group 2.6 - 2.9**  
S2017IANC02b

### 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
Hefty	H26X7	RRX	2.6	R	66.1	12.5	1	129.4	\$595	1
Hefty	H29X8	RRX	2.9	R	64.5	12.6	1	129.1	\$581	2
Latham	L2982EXGT	BG	2.9	R	63.9	12.5	1	133.0	\$575	3
Stine	28RH02 §	RR2Y	2.8	R	63.1	12.6	1	124.6	\$568	4
Renk	RS288NX	RRX	2.8	R	62.6	12.6	1	130.0	\$563	5
Channel	2617R2X	RRX	2.6	R	62.3	12.5	1	131.0	\$561	6
Kruger	K2X-2652	RRX	2.6	R	61.6	12.5	1	131.1	\$554	7
Champion	28X78N	RRX	2.8	R	61.5	12.6	1	126.9	\$554	8
Jacobsen Seed	J876NR2X	RRX	2.6	R	61.4	12.6	1	130.0	\$553	9
Cornelius	CB26X70	RRX	2.6	R	60.5	12.6	1	132.1	\$545	10
Cornelius	CB27X81	RRX	2.7	R	60.5	12.8	1	127.2	\$545	11
Cornelius	CB28X73	RRX	2.8	R	60.4	12.6	1	129.7	\$544	12
Champion	28R85N	RR2Y	2.8	R	60.3	12.6	1	130.5	\$543	13
Legend	LS 27R524N	RR2Y	2.7	R	60.1	12.5	1	131.4	\$541	14
FS HiSoy	HS 29X70	RRX	2.9	R	59.9	12.6	1	127.5	\$539	15
Pioneer	P28T08R §	RR	2.8	R	59.4	12.5	1	129.7	\$535	17
Pioneer	P27T59R §	RR	2.7	R	59.1	12.5	1	131.0	\$532	18
Titan Pro	TP-26X37	RRX	2.6	MR	59.0	12.6	1	130.8	\$531	19
LG Seeds	C2888RX	RRX	2.8	R	58.8	12.7	1	130.7	\$529	20
Latham	L2887R2X	RRX	2.8	R	58.6	12.5	1	130.7	\$527	21
Latham	L2682R2X	RRX	2.6	R	58.5	12.5	1	126.3	\$527	22
Jacobsen Seed	J878NR2X	RRX	2.8	R	58.3	12.5	1	131.1	\$525	23
Kruger	K2X-2863	RRX	2.8	R	58.2	12.6	1	130.5	\$524	24
Kruger	K2X-2852	RRX	2.8	R	58.2	12.7	1	130.7	\$524	25
Hefty	H28X8	RRX	2.8	R	57.8	12.6	1	130.0	\$520	26
Legend	LS 28X840N	RRX	2.8	R	57.7	12.5	1	128.5	\$519	27
Golden Harvest	GH2788X	RRX	2.7	R	57.7	12.6	1	129.3	\$519	28
Champion	26R36N	RR2Y	2.6	MR	57.7	12.6	1	126.7	\$519	29
Pioneer	P25T51R §	RR	2.5	R	57.1	12.4	1	130.5	\$514	30
Hefty	H27X6	RRX	2.7	R	56.9	12.6	1	131.8	\$512	31
Croplan	R2C2450 CK	RR2Y	2.4	R	59.8	12.6	1	130.5	\$538	16

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Averages =	58.2	12.6	1	129.6	\$524
LSD (0.10) =	2.3	0.2	0.9		
LSD (0.25) =	1.2	0.1	0.5		
C.V. =	3.5				

Prev. years avg. yield, 48.7 bu/a, 5 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 can be a tough area for beans and it was very dry here. Plant heights were a bit shorter than normal. Several pods were found with a seed that didn't fill. Through the season, 3" came during vegetative stages, 1.4" from bloom to full pod and 5.7" from beginning seed through maturity. Late August rains came but earlier plant stress couldn't be overcome to bring big yields. Seed size varied.

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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	Company/Brand	Product/Brand	Technol.	Mat.	SCN	Seed Trt
Asgrow	AG21X7 §	RRX	2.1	R	ACi	Prairie Brand	PB-2486R2	RR2Y	2.4	R	CMB
Asgrow	AG23X8 §	RRX	2.3	R	ACi	Renk	RS213NR2	RR2Y	2.1	R	EcTC
Asgrow	AG24X7 §	RRX	2.4	R	ACi	Renk	RS228NX	RRX	2.2	R	AM,IL
Champion	21X77N	RRX	2.1	R	EL	Renk	RS246NR2	RR2Y	2.4	R	AM,IL
Champion	22R07N	RR2Y	2.2	R	EL	Renk	RS248NX	RRX	2.4	R	AM,IL
Champion	22R38N	RR2Y	2.2	R	EL	Stine	21RI32 §	RR2Y	2.1	R	SF1
Champion	24R87N	RR2Y	2.4	R	EL	Titan Pro	TP-21X46	RRX	2.1	R	IS,IL
Cornelius	CB22R88	RR2Y	2.2	R	PG+	Titan Pro	TP-24R26	RR2Y	2.4	R	IS,IL
Cornelius	CB22X73	RRX	2.2	R	PG+	Titan Pro	TP-24X87	RRX	2.4	MR	IS,IL
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						

## 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.