

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

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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

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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

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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	60.7	13.7	1	125.6	\$545	1
Titan Pro	TP-24X87	RRX	2.4	MR	59.8	13.9	1	128.6	\$537	2
Latham	L2368R2X	RRX	2.3	R	59.6	14.5	1	123.6	\$535	3
FS HiSoy	HS 25X70	RRX	2.5	R	59.3	13.6	1	132.7	\$533	4
Prairie Brand	PB-2486R2	RR2Y	2.4	R	59.3	13.8	1	128.3	\$533	5
Hefty	H24X8	RRX	2.4	R	59.0	13.9	1	129.5	\$530	6
Titan Pro	TP-24R26	RR2Y	2.4	R	58.9	13.7	1	128.0	\$529	7
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	58.9	13.8	1	126.9	\$529	8
Champion	22R38N	RR2Y	2.2	R	58.9	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
Kruger	K2X-2261	RRX	2.2	R	56.4	14.2	1	128.8	\$506	21
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

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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.*

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Footnotes and Abbreviation Descriptions

Brand Footnotes

^	G2 [®] brand seed is distributed by NuTech Seed, LLC. RPM [®] brand seed is distributed by Doebler's PA Hybrids, Inc. Supreme EX [®] brand seed is distributed by Seed Consultants, Inc. VPM [®] brand seed is distributed by AgVenture, Inc. XL [®] brand seed is distributed by Beck's Superior Hybrids. Curry [®] , G2 [®] , HPT [®] , RPM [®] , Supreme EX [®] , VPM [®] and XL [®] 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 [®]
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 unavailable	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
AG	ArmourGuard™	IS	Intego™ Suite
AM	ApronMaxx [®]	MAG	Maximum ArmourGuard™
ASfi	AgriShield [®] F+I	Me	Mertect [®]
AVB	Avicta [®] Complete Beans	Mg	Magnum ST™ (standard)
AVBV	Avicta [®] Complete Beans with Vibrance [®]	NCFI	N-Compass™ Plus F/I
CCB	Clariva™ Complete Beans	None	untreated
CI	Clariva™ pn	Pd	proTect D™
CMB	CruiserMaxx [®] Beans	Pdi	proTect D/I™
CMBV	CruiserMaxx [®] Beans with Vibrance [®]	PG+	Profit Guard +™
DPHB	DPH Boost [®]	PS	MAS Pro-Shield
DST	Dominance™ ST	PV	Poncho [®] /Votivo [®]
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 [®]	TE	Trius Elite™
EQV	Equity [®] VIP	TT	Turbo Treat™
Es	Escalate™	W	Warden [®] CX
F	fungicide	Wr	Warden [®] RTA
G	Gaicho [®]	YPP	YP Pro™

* Seed treatments may include unspecified plant health promoting components.