

2017 Soybean Top 30 Harvest Report

Iowa North [IANO] OSAGE

Dale Hemann, Mitchell County, IA 50461



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

PREV. CROP/HERB: Corn / Acuron, atrazine
 SOIL DESCRIPTION: Maxfield silty clay loam, well drained, non-irrigated
 SOIL CONDITIONS: Very high P, medium K, 7.4 pH, 5.1% OM, 27.6 CEC
 TILLAGE/CULTIVATION: Conventional w/ fall till
 PEST MANAGEMENT: Roundup, Dual II Magnum, Prefix, Roundup, Fusilade
 APPLIED N-P-K (units): 0-0-0
 SEEDED - RATE - ROW: May 26 140,300 /A 30" Spacing
 HARVESTED - STAND: Oct 17 121,500 /A

Early-Season Test
Maturity Group 1.7 - 2.1
 S2017IANO03a

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
Legend	LS 20X746N	RRX	2.0	R	56.0	13.6	0	121.3	\$503	1
Latham	L2184R2X	RRX	2.1	R	55.5	13.4	0	122.8	\$499	2
Latham	L2084R2	RR2Y	2.0	R	55.4	13.4	0	119.6	\$498	3
FS HiSoy	HS 18X70	RRX	1.8	R	54.8	13.3	0	123.5	\$493	4
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	54.7	13.3	0	121.4	\$492	5
Kruger	K2X-1862	RRX	1.8	R	54.4	13.6	0	121.0	\$489	6
Becks	185R2	RR2Y	1.8	R	54.3	13.6	0	118.2	\$488	7
Cornelius	CB20X56	RRX	2.0	R	54.0	13.4	0	121.7	\$486	8
Champion	20R35N	RR2Y	2.0	R	53.7	13.6	0	120.5	\$483	9
Kruger	K2X-2152	RRX	2.1	MR	53.6	13.5	0	121.4	\$482	10
Channel	2017R2X	RRX	2.0	MR	53.4	13.4	0	118.9	\$480	11
Asgrow	AG20X7 §	RRX	2.0	R	53.3	13.6	0	124.7	\$479	12
Titan Pro	TP-21X46	RRX	2.1	R	53.1	13.4	0	123.2	\$477	13
Golden Harvest	GH1915X	RRX	1.9	R	52.9	13.6	0	119.3	\$475	14
Renk	RS188NX	RRX	1.8	R	52.8	13.5	0	123.5	\$475	15
Titan Pro	TP-18X97	RRX	1.8	MR	52.7	13.6	0	120.0	\$474	16
Golden Harvest	GH1852X §	RRX	1.8	R	52.7	13.7	0	119.3	\$474	17
Champion	20X98N	RRX	2.0	R	52.6	13.6	0	119.3	\$473	18
Champion	21X77N	RRX	2.1	R	52.6	13.6	0	118.5	\$473	19
Champion	18R37N	RR2Y	1.9	R	52.5	13.4	0	119.6	\$472	20
Channel	1917R2X	RRX	1.9	R	52.3	13.4	0	122.2	\$470	21
Hefty	H20X7	RRX	2.0	R	52.3	13.6	0	124.1	\$470	22
NorthStar	NS 2031NR2	RR2Y	2.0	R	52.1	13.9	0	124.2	\$468	23
Prairie Brand	PB-2197R2	RR2Y	2.1	R	52.0	13.4	0	123.9	\$468	24
NorthStar	NS 62002NXR2	RRX	2.0	R	52.0	13.9	0	123.8	\$467	25
Latham	L1845R2X	RRX	1.8	MR	51.7	13.4	0	125.6	\$465	26
Kruger	K2X-2052	RRX	2.0	R	51.7	13.7	0	119.4	\$465	27
Pfister	21R205	RR2Y	2.1	R	51.6	13.3	0	120.8	\$464	28
Renk	RS207NX	RRX	2.0	R	51.6	13.7	0	124.1	\$464	29
Latham	L1748R2	RR2Y	1.7	R	51.5	13.4	0	121.6	\$463	30
Croplan	R2C2200 CK	RR2Y	2.2	R	50.8	13.3	0	119.7	\$457	37

Corey Rozenboom

Corey Rozenboom

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Averages = **51.6** **13.5** **0** **121.5** **\$464**
 LSD (0.10) = 2.2 0.3 ns
 LSD (0.25) = 1.2 0.2 ns
 C.V. = 4.0

Prev. years avg. yield, 54.8 bu/a, 6 yrs

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

TEST COMMENTS: *Tough soybean year in the area. White mold was common in many fields as well as this plot. Flat pods in the tops of plants and sclerotia in bean samples was typical across varieties. Many plants were tall but not podded well enough for big yields. Seasonal rainfall totals from planting through R6 on Sept 13 ended at about 3.5" below the 30-yr average for this area.*

† 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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SOIL CONDITIONS: Very high P, medium K, 7.4 pH, 5.1% OM, 27.6 CEC
TILLAGE/CULTIVATION: Conventional w/ fall till
PEST MANAGEMENT: Roundup, Dual II Magnum, Prefix, Roundup, Fusilade
APPLIED N-P-K (units): 0-0-0
SEEDED - RATE - ROW: May 26 140,300 /A 30" Spacing
HARVESTED - STAND: Oct 17 120,000 /A

Full-Season Test
Maturity Group 2.2 - 2.5
S2017IANO03b

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
LG Seeds	C2441R2	RR2Y	2.4	R	55.1	13.7	0	119.1	\$495	1
Pioneer	P22T41R2 §	RR2Y	2.2	R	55.1	13.8	0	119.3	\$495	2
Champion	22R07N	RR2Y	2.2	R	54.4	13.7	0	122.5	\$489	3
Titan Pro	TP-24R26	RR2Y	2.4	R	53.7	13.5	0	125.5	\$483	4
FS HiSoy	HS 24X70	RRX	2.4	R	53.6	13.4	0	122.1	\$482	5
FS HiSoy	HS 25X70	RRX	2.5	R	53.6	13.8	0	121.7	\$482	6
Renk	RS246NR2	RR2Y	2.4	R	53.4	13.6	0	124.4	\$480	7
Pioneer	P25T51R §	RR	2.5	R	53.3	14.0	0	117.9	\$479	8
LG Seeds	C2255R2	RR2Y	2.2	R	53.1	13.6	0	119.9	\$477	9
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	53.1	13.6	0	116.3	\$477	10
Prairie Brand	PB-2486R2	RR2Y	2.4	R	52.8	13.6	0	123.3	\$475	11
Champion	22R38N	RR2Y	2.2	R	52.7	13.9	0	117.4	\$473	12
Cornelius	CB24R82	RR2Y	2.4	R	52.6	13.6	0	121.0	\$473	13
Pfister	24R201	RR2Y	2.4	R	52.6	13.6	0	117.1	\$473	14
Stine	24RH62 §	RR2Y	2.4	R	52.5	13.7	0	116.4	\$472	15
Cornelius	CB22X73	RRX	2.2	R	52.2	13.5	0	123.3	\$469	16
Hefty	H24X8	RRX	2.4	R	52.1	13.8	0	117.5	\$468	17
Cornelius	CB22R88	RR2Y	2.2	R	52.0	13.5	0	118.9	\$467	18
Cornelius	CB24X64	RRX	2.4	R	52.0	13.5	0	123.5	\$467	19
Prairie Brand	PB-2228R2	RR2Y	2.2	R	52.0	13.5	0	120.8	\$467	20
Hefty	H25X8	RRX	2.5	R	52.0	13.6	3	118.5	\$467	21
NorthStar	NS 62323NX2	RRX	2.3	R	51.9	13.6	0	123.0	\$466	22
NorthStar	NS 2362NR2	RR2Y	2.3	R	51.8	13.6	0	116.4	\$466	23
LG Seeds	C2201RX	RRX	2.2	R	51.6	13.7	0	118.0	\$464	24
Latham	L2228R2	RR2Y	2.2	R	51.6	13.7	0	120.0	\$464	25
Champion	23X78N	RRX	2.3	R	51.6	13.7	0	115.5	\$464	26
Renk	RS228NX	RRX	2.2	R	51.5	13.7	0	121.9	\$463	27
Hefty	H22X8	RRX	2.2	R	51.3	13.7	0	111.5	\$461	28
Latham	L2368R2X	RRX	2.3	R	50.5	14.3	0	119.7	\$453	30
FS HiSoy	HS 23X70	RRX	2.3	R	49.8	13.4	0	121.0	\$448	31
Croplan	R2C2200 CK	RR2Y	2.2	R	50.6	13.4	0	122.1	\$455	29

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Averages = **51.4** **13.8** **0** **120.0** **\$462**
LSD (0.10) = 1.6 0.4 ns
LSD (0.25) = 0.8 0.2 ns
C.V. = 3.0

Prev. years avg. yield, 54.8 bu/a, 6 yrs

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

TEST COMMENTS: *Tough soybean year in the area. White mold was common in many fields as well as this plot. Flat pods in the tops of plants and sclerotia in bean samples was typical across varieties. Many plants were tall but not podded well enough for big yields. Seasonal rainfall totals from planting through R6 on Sept 13 ended at about 3.5" below the 30-yr average for this area.*

† 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	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						

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	Gaucha [®]	YPP	YP Pro™

* Seed treatments may include unspecified plant health promoting components.