2017 Soybean Top 30 Harvest Report

Iowa North [IANO] ALGONA Merlin Eischeid, Kossuth County, IA 50511 farmers' independent research of seed technologies
Test by: North Iowa F.I.R.S.T., Inc, Sanborn, IA

Early-Season Test Maturity Group 1.7 - 2.1

S2017IANO02a

Top 30 of 54

PREV. CROP/HERB: Corn / Harness, Roundup, Impact, Hornet
SOIL DESCRIPTION: Clarion clay loam, mod. well drained, non-irrigated
SOIL CONDITIONS: High P, medium K, 7.5 pH, 4.2% OM, 29.4 CEC

TILLAGE/CULTIVATION: Conventional w/ fall till

PEST MANAGEMENT: Matador, Roundup, Top Gun, Intensity One

Oct 17

APPLIED N-P-K (units): 0-0-0

HARVESTED - STAND:

SEEDED - RATE - ROW: May 30 141,000 /A 30" Spacing

134,300 /A

For Gross Income (Sorted by Yield)

Average of (3) Replications

THURVESTED STAND.	00017 101	,000 // (CCN	. Violal -	Malakuma	- مامام -	Chanad	Current	
Company/Brand	Product/Brand†	Technol.†	Mat.	SCN Resist.	↓ Yield ↓ Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Ir \$/Acre	ncome Rank
Champion	20X98N	RRX	2.0	R	63.6	13.5	1	135.0	\$572	1
Hefty	H18X8	RRX	1.8	R	63.1	13.5	1	133.8	\$567	2
Cornelius	CB18X80	RRX	1.8	R	62.8	13.3	1	133.6	\$565	3
Dairyland	DSR-2110/R2Y	RR2Y	2.1	R	62.4	13.4	1	137.7	\$561	4
Prairie Brand	PB-2197R2	RR2Y	2.1	R	61.9	13.4	1	137.7	\$556	5
Latham	L1845R2X	RRX	1.8	MR	61.8	13.5	1	134.6	\$556	6
Becks	185R2	RR2Y	1.8	R	61.7	13.7	1	130.8	\$554	7
LG Seeds	C1838RX	RRX	1.8	R	61.5	13.4	1	129.3	\$553	8
NK Brand	S20-T6 §	RR2Y	2.0	MR	61.5	13.4	1	132.5	\$553	9
	LS 20X746N	RRX	2.0	R	61.4	13.4	1	137.4	\$553 \$552	10
Legend Pfister	21R205	RR2Y	2.0	R	61.3	13.5	1	129.1	\$552 \$551	11
Kruger	K2X-1862	RRX	1.8	R	60.8	13.6	1	133.6	\$546	12
	LS 17X802N	RRX	1.7	R	60.8	13.4	1	136.0	\$546	13
Legend			1.7					135.2		14
Titan Pro	TP-18X97 RS195NR2	RRX	1.8	MR R	60.5 60.4	13.5 13.5	1		\$544 \$542	
Renk		RR2Y					1	130.0	\$543	15
Asgrow	AG21X7 §	RRX RR2Y	2.1 1.9	R	60.4	13.6	1	138.2 135.7	\$543	16
Champion	18R37N			R	60.1	13.4	1		\$540	17
Dairyland	DSR-1950/R2Y	RR2Y	1.9	R	59.6	13.4	1	134.1	\$536	19
Latham	L2184R2X	RRX	2.1	R	59.5	13.5	1	138.3	\$535	20
Cornelius	CB19R71	RR2Y	1.9	R	59.5	13.7	1	137.7	\$535	21
LG Seeds	C1870R2	RR2Y	1.8	R	59.4	13.4	1	135.2	\$534	22
Champion	20R35N	RR2Y	2.0	R	59.4	13.4	1	133.8	\$534	23
Channel	1917R2X	RRX	1.9	R	59.4	13.4	1	134.4	\$534	24
Channel	2017R2X	RRX	2.0	MR	59.4	13.4	1	135.4	\$534	25
Stine	19RF32 §	RR2Y	1.9	R	59.3	13.5	1	132.9	\$533	26
Titan Pro	TP-20X57	RRX	2.0	MR	59.2	13.8	1	133.8	\$532	27
Asgrow	AG17X8 §	RRX	1.7	R	59.1	13.6	1	134.6	\$531	28
Cornelius	CB20R44	RR2Y	2.0	R -	59.0	13.5	1	135.7	\$530	29
Latham	L2084R2	RR2Y	2.0	R -	58.9	13.4	1	130.0	\$530	30
Titan Pro	TP-21X46	RRX	2.1	R	58.8	13.5	1	133.0	\$529	31
Croplan	R2C2200 CK	RR2Y	2.2	R	59.7	13.5	1	133.2	\$537	18
Corey Magn	Loom			rerages =	59.2	13.5	1	134.3	\$532	
_ / ~				(0.10) =	2.6	1.2	ns			
Corey Rozenboom			LSD	(0.25) =	1.4	0.6	ns			
corey.rozenboom@	firstseedtests.com, (319)	9) 830-8886		C.V. =	4.2		Prev. years avg. yield, 55.7 bu/a, 10 yrs			

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

TEST COMMENTS: After a dry July, a few late August showers delivered enough rain to fill pods and save some yield. Plants had signs of drought stress during July. There were some flat pods found at harvest. Seasonal rainfall totals from planting to R6 were 1.4" below the 30-yr average. Through the season, 2.4" came during vegetative stages, 2.1" from bloom to full pod and 9.7" from beginning seed to mature.

† 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 Top 30 Harvest Report

Iowa North [IANO] ALGONA Merlin Eischeid, Kossuth County, IA 50511 farmers' independent research of seed technologies
Test by: North lowa F.I.R.S.T., Inc, Sanborn, IA

Full-Season Test
Maturity Group 2.2 - 2.5

S2017IANO02b

PREV. CROP/HERB: Corn / Harness, Roundup, Impact, Hornet
SOIL DESCRIPTION: Clarion clay loam, mod. well drained, non-irrigated
SOIL CONDITIONS: High P, medium K, 7.5 pH, 4.2% OM, 29.4 CEC

TILLAGE/CULTIVATION: Conventional w/ fall till

PEST MANAGEMENT: Matador, Roundup, Top Gun, Intensity One

APPLIED N-P-K (units): 0-0-0

SEEDED - RATE - ROW: May 30 141,000 /A 30" Spacing For Gross Income (Sorted by Yield)
HARVESTED - STAND: Oct 17 134,700 /A Average of (3) Replications

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				SCN	Yield	Moisture	Lodging	Stand	Gross Ir	come
Company/Brand	Product/Brand†	Technol.†	Mat.	Resist.	◆ Bu/A ◆	%	%	(x 1000)	\$/Acre	Rank
FS HiSoy	HS 23X70	RRX	2.3	R	65.4	13.4	1	133.2	\$588	1
Latham	L2228R2	RR2Y	2.2	R	63.0	13.4	1	133.2	\$566	2
Latham	L2368R2X	RRX	2.3	R	62.3	13.9	1	134.1	\$560	3
Titan Pro	TP-24R26	RR2Y	2.4	R	61.5	13.4	1	137.1	\$553	4
Prairie Brand	PB-2486R2	RR2Y	2.4	R	60.9	13.5	1	130.3	\$547	5
Latham	L2482R2	RR2Y	2.4	R	60.6	14.0	1	137.9	\$544	6
Cornelius	CB24R82	RR2Y	2.4	R	60.4	13.4	1	134.9	\$543	7
Stine	24RH62 §	RR2Y	2.4	R	60.2	13.6	1	135.5	\$541	8
Pioneer	P25T51R §	RR	2.5	R	60.1	13.5	1	136.6	\$540	10
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	60.0	13.4	1	131.9	\$540	11
Pfister	24R201	RR2Y	2.4	R	60.0	13.5	1	134.0	\$539	12
Titan Pro	TP-24X87	RRX	2.4	MR	59.9	13.3	1	135.8	\$539	13
Renk	RS246NR2	RR2Y	2.4	R	59.8	13.4	1	131.8	\$538	14
Hefty	H22X8	RRX	2.2	R	59.6	13.3	1	129.3	\$536	15
Cornelius	CB24X64	RRX	2.4	R	59.4	13.4	1	139.6	\$534	16
Prairie Brand	PB-2228R2	RR2Y	2.2	R	59.4	13.4	1	134.4	\$534	17
Champion	23X78N	RRX	2.3	R	59.4	13.5	1	138.0	\$534	18
FS HiSoy	HS 23A42	RR2Y	2.3	R	59.2	13.3	1	134.9	\$532	19
Golden Harvest	GH2537X §	RRX	2.5	R	59.2	13.9	1	134.3	\$532	20
Champion	22R07N	RR2Y	2.2	R	58.9	13.5	1	137.1	\$530	21
Cornelius	CB22X73	RRX	2.2	R	58.5	13.2	1	135.0	\$526	22
Hefty	H24X8	RRX	2.4	R	58.4	13.4	1	136.9	\$525	23
Champion	24R87N	RR2Y	2.4	R	58.2	13.8	1	134.9	\$523	24
Hefty	H25X8	RRX	2.5	R	58.1	13.4	1	134.7	\$522	25
LG Seeds	C2201RX	RRX	2.2	R	58.0	13.3	1	130.2	\$522	26
Champion	22R38N	RR2Y	2.2	R	57.8	13.4	1	132.7	\$520	27
FS HiSoy	HS 25X70	RRX	2.5	R	57.4	13.5	1	136.8	\$516	28
Latham	L2458EXGT	BG	2.4	R	57.2	13.5	1	135.5	\$514	29
Pioneer	P22T73R §	RR	2.2	R	57.1	13.5	1	135.2	\$513	30
Cornelius	CB22R88	RR2Y	2.2	R	56.6	13.4	1	134.4	\$509	31
Croplan	R2C2200 CK	RR2Y	2.2	R	60.1	13.4	1	132.2	\$540	9
2 -			Av	erages =	58.4	13.5	1	134.7	\$525	
Corey Magn	Noon		LSD	(0.10) =	2.5	0.9	ns			
Corey Rozenboom			LSD	(0.25) =	1.3	0.5	ns			
corey.rozenboom@	firstseedtests.com, (319) 8	30-8886		C.V. =	4.1		Prev. years avg. yield, 55.7 bu/a, 10 yrs			

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Report Date: 10/18/2017 Revised:



2017 Soybean - Iowa North [IANO]

Early-Season Test Products (54 Total)

	- 1 · /= ·			0.5::			5 1 1/F 1				
	Product/Brand	Technol.	Mat.		Seed Trt	Company/Brand	Product/Brand	Technol.		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							
Latham	L2084R2	RR2Y	2.0	R	CCB,Me						
Latham	L2184R2X	RRX	2.1	R	CCB,Me						
	LS 17X802N	RRX	1.7	R	YPP						
Legend	LS 20X746N	RRX	2.0	R	YPP						
Legend	LS 21X705N	RRX	2.0	R	YPP						
Legend 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)

	Product/Brand 22R07N 22R38N	Technol. RR2Y	Mat. 2.2	SCN R	Seed Tr EL
Champion Champion Champion			2.2	ĸ	
	22R38N		0.0		
(:namnion		RR2Y	2.2	R	EL
	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		BG	2.4	R	SS+
	L2458EXGT				
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
O 1 1 O	TP-24R26	RR2Y	2.4	R	IS,IL
Titan Pro					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. VPMaxx® brand seed is distributed by AgVenture, Inc. XL® brand
	seed is distributed by Beck's Superior Hybrids. Curry [®] , G2 [®] , HPT [®] , RPM [®] , Supreme EX [®] , VPMaxx [®] 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.
ξ	United Sovbean 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
Cl	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	Gaucho [®]	YPP	YP Pro™

^{*} Seed treatments may include unspecified plant health promoting components.