2016 Soybean Top 30 Harvest Report

Iowa North [IANO] NEW HAMPTON Mark Bruening, Chickasaw County, IA 50659



PREV. CROP/HERB: Corn / Halex GT, Lumax

SOIL DESCRIPTION: Clyde clay loam, well drained, non-irrigated

SOIL CONDITIONS: High P, high K, 6.8 pH, 4.5 % OM

TILLAGE/CULTIVATION: No-til

PEST MANAGEMENT: Fierce, Roundup, Quilt Xcel, Hero

SEEDED - RATE - ROW: May 17 155,000 /A 15" Spacing

Top 30 of 54

For Gross Income (Sorted by Yield)

Average of (3) Replications

Early-Season Test

S2016IANO04a

Maturity Group 1.8 - 2.1

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HARVESTED - STAND:	Oct 14	146,700 /A						Avera	age of (3) F	Replication
				SCN	Seed	Yield	Moisture	Lodging	Stand	Gross
Company/Brand	Product/Branc	d† Technol.†	Mat.	Resist.	Trt.†	◆ Bu/A	%	%	(x 1000)	Income
Latham	L2084R2	RR2Y	2.0	R	CCB,Me	75.3	13.6	0	146.4	\$658
Steyer	2102R2	RR2Y	2.1	MR	SStd	73.2	13.6	0	142.9	\$640
Stine	19RF32 §	RR2Y	1.9	R	SFI	72.9	13.5	0	146.4	\$637
Pfister	19R24	RR2Y	1.9	R	CCB	72.9	13.7	0	148.1	\$637
Asgrow	AG1935 §	RR2Y	1.9	R	ACi	72.9	13.7	0	146.4	\$637
Renk	RS213NR2	RR2Y	2.1	R	CMBV	72.4	13.6	0	148.1	\$633
Channel	2108R2	RR2Y	2.1	R	ACi	72.4	13.9	0	146.4	\$632
Stine	20RD20 §	RR2Y	2.0	R	SFI	72.3	13.7	0	146.4	\$632
Champion	19R85N	RR2Y	1.9	R	AC,PV	71.7	13.4	0	144.7	\$627
Cornelius	CB20R44	RR2Y	2.0	R	CMBV,IL	71.7	13.6	0	146.4	\$627
Prairie Brand	PB-2024R2	RR2Y	2.1	R	CCB,In	71.7	13.6	0	148.1	\$627
Pfister	21R203	RR2Y	2.1	R	CCB	71.2	13.7	0	148.1	\$622
NorthStar	NS 2031NR2	RR2Y	2.0	R	CMBV	71.2	13.8	0	144.7	\$622
Kruger	K2-2103	RR2Y	2.1	R	ACi	71.2	13.8	0	148.1	\$622
Champion	20R35N	RR2Y	2.0	R	AC,PV	70.5	13.7	0	144.7	\$616
Asgrow	AG2035 §	RR2Y	2.0	R	ACi	70.4	13.5	0	148.1	\$615
Pfister	18R201	RR2Y	1.8	R	CCB	70.3	12.9	0	146.4	\$615
LG Seeds	C1870R2	RR2Y	1.8	R	CCB	69.4	13.2	0	142.9	\$607
Prairie Brand	PB-2197R2	RR2Y	2.1	R	CCB,In	69.2	13.6	0	146.4	\$605
Pfister	21R205	RR2Y	2.1	R	CCB	68.5	13.5	0	149.8	\$599
NK Brand	S20-T6 §	RR2Y	2.0	MR	CCB,Me	67.4	13.4	0	148.1	\$589
Cornelius	CB19R71	RR2Y	1.9	R	CMBV,IL	67.0	13.6	0	148.1	\$585
Prairie Brand	PB-1947R2	RR2Y	1.9	R	CCB,In	67.0	13.6	0	144.7	\$585
Dairyland	DSR-2110/R2	Y RR2Y	2.1	R	CMB	66.6	13.8	0	148.1	\$582
Dairyland	DSR-1870/R2	Y RR2Y	1.8	R	CMB	65.7	14.0	0	146.4	\$574
NorthStar	NS 1916NR2	RR2Y	2.0	R	CMBV	65.5	13.4	0	146.4	\$573
Titan Pro	TP-21X46	RRX	2.1	R	None	65.0	13.2	0	144.7	\$568
Hefty	H20X7	RRX	2.0	MR	DST	64.9	12.8	0	144.7	\$568
FS HiSoy	HS 19A50	RR2Y	1.9	R	ACi,Cl	64.9	12.9	0	148.1	\$568
Steyer	2103XR	RRX	2.1	MR	SStd	64.9	12.9	0	149.8	\$568
Croplan	R2C2200 CK	RR2Y	2.2	R	WCX	66.6	13.7	0	148.1	\$582
17					Averages =	66.1	13.5	0	146.7	\$578
Corey Magen	loom			LS	SD (0.10) =	4.2	0.7	ns		
Corey Rozenboom				LS	SD (0.25) =	2.9	0.5	ns		

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.75 GMO; \$8.75 non-GMO

TEST COMMENTS: Wet early spring weather delayed planting here but much of the remainder of the season received consistent rain that provided good conditions during flowering and seed fill. Reports of sudden death syndrome (SDS) were common in the area but did not infect the test site. Fungicide and insecticide were applied at RS. Plant heights for most varieties at harvest were tall by lodging was not an issue.

Page 1 of 5

† See last page for abbreviation descriptions. Results in **bold** are significantly above test average by LSD (0.10). **ns** = column values not significantly different.

Additional reports available at www.firstseedtests.com

Revised:

Report Date: 10/16/2016

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

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Prev. years avg. yield, 53.5 bu/a, 14 yrs

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TILLAGE/CULTIVATION: No-til

PEST MANAGEMENT: Fierce, Roundup, Quilt Xcel, Hero

SEEDED - RATE - ROW: May 17 155,000 /A 15" Spacing

Full-Season Test Maturity Group 2.2 - 2.5

S2016IANO04b

Top 30 of 36

For Gross Income (Sorted by Yield)

Average of (3) Replications

SEEDED STILL ROWS	way ii	.00,000 // (.о ор	···9					201110 (20110	
HARVESTED - STAND:	Oct 14	145,900 /A						Avera	age of (3) F	Replications
				SCN	Seed	Yield	Moisture	Lodging	Stand	Gross
Company/Brand	Product/Bran	nd† Technol.	† Mat.	Resist.	Trt.†	◆ Bu/A	* %	%	(x 1000)	Income
Renk	RS246NR2	RR2Y	2.4	R	CMBV	72.0	13.4	0	148.1	\$629
Croplan	R2C2450 §	RR2Y	2.4	R	WCX	71.7	13.5	0	141.2	\$627
Federal	F247NRR2Y	GC RR2Y	2.4	R	MAG	69.4	13.6	0	146.4	\$606
Latham	L2482R2	RR2Y	2.4	R	CCB,Me	69.2	13.4	0	142.9	\$605
Dairyland	DSR-2330/R2	2Y RR2Y	2.3	R	CMB	69.2	13.5	0	142.9	\$605
FS HiSoy	HS 23A42	RR2Y	2.3	R	ACi	69.0	13.8	0	148.1	\$603
Titan Pro	TP-24R26	RR2Y	2.4	R	IS	68.9	13.3	0	149.8	\$602
Prairie Brand	PB-2486R2	RR2Y	2.4	R	CCB,In	68.9	13.5	0	146.4	\$602
Pfister	24R201	RR2Y	2.4	R	CCB	68.9	13.5	0	146.4	\$602
Stine	24RH62 §	RR2Y	2.4	R	SFI	68.8	13.5	0	142.9	\$601
Latham	L2228R2	RR2Y	2.2	R	CCB,Me	68.7	13.7	0	148.1	\$600
LG Seeds	C2520R2	RR2Y	2.5	R	CCB	68.4	13.4	0	146.4	\$598
Channel	2306R2	RR2Y	2.3	R	ACi	68.1	13.2	3	146.4	\$596
LG Seeds	C2441R2	RR2Y	2.4	R	CCB	67.8	13.3	0	146.4	\$593
NorthStar	NS 2362NR2	RR2Y	2.3	R	CMBV	67.5	13.8	0	146.4	\$590
Channel	2416R2X §	RRX	2.4	R	ACi	66.5	13.1	0	146.4	\$582
Hefty	H24X6	RRX	2.4	MR	DST	66.3	13.3	1	144.7	\$580
Latham	L2348R2X	RRX	2.3	R	CCB,Me	66.1	13.5	0	144.7	\$578
Cornelius	CB22R34	RR2Y	2.2	R	CMBV,IL	66.0	13.4	3	144.7	\$577
Cornelius	CB23X45	RRX	2.3	R	ACi	65.9	13.5	0	146.4	\$576
Titan Pro	TP-23X76	RRX	2.3	R	IS	65.6	13.3	0	142.9	\$574
Federal	F2170NR2X	GC RRX	2.1	R	MAG	65.4	12.9	3	149.8	\$572
Hefty	H25X7	RRX	2.5	MR	DST	65.1	14.0	0	146.4	\$568
Prairie Brand	PB-2296R2	RR2Y	2.2	R	CCB,In	64.8	13.6	5	146.4	\$566
Pioneer	P25T51R §	RR	2.5	R	EE,G	64.3	13.5	0	144.7	\$562
NK Brand	S25-L9 §	RR2Y	2.5	R	CCB,Me	62.5	14.3	0	146.4	\$545
Pioneer	P22T41R2 §	RR2Y	2.2	R	EE,G	62.3	14.0	0	142.9	\$544
Hefty	H23X7	RRX	2.3	S	DST	61.9	13.1	0	142.9	\$542
Asgrow	AG24X7 §	RRX	2.4	R	ACi	61.9	13.0	3	146.4	\$542
NorthStar	NS 62332NX	R2 RRX	2.3	R	CMBV	60.9	13.8	0	146.4	\$532
Croplan	R2C2200 CK	RR2Y	2.2	R	WCX	69.2	14.2	0	146.4	\$604
77					Averages =	65.1	13.6	1	145.9	\$569
Corey /lazen	room			LS	SD (0.10) =	= 3.6	ns	ns		
Corey Rozenboom				LS	SD (0.25) =	2.5	ns	ns		

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.020 Prices = \$8.75 GMO; \$8.75 non-GMO

TEST COMMENTS: Wet early spring weather delayed planting here but much of the remainder of the season received consistent rain that provided good conditions during flowering and seed fill. Reports of sudden death syndrome (SDS) were common in the area but did not infect the test site. Fungicide and insecticide were applied at RS. Plant heights for most varieties at harvest were tall by lodging was not an issue.

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Prev. years avg. yield, 53.5 bu/a, 14 yrs

Report Date: 10/16/2016 Revised:



Seed Trt

CMBV
SStd
SStd
SFI
SFI
IS
IS
None

2016 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.	,
Asgrow	AG1935 §	RR2Y	1.9	R	ACi	Renk	RS213NR2	RR2Y	2.1	Ì
Asgrow	AG2035 §	RR2Y	2.0	R	ACi	Steyer	2102R2	RR2Y	2.1	
Champion	19R85N	RR2Y	1.9	R	AC,PV	Steyer	2103XR	RRX	2.1	
Champion	19X97N	RRX	1.9	R	AC,PV	Stine	19RF32 §	RR2Y	1.9	_
Champion	20R35N	RR2Y	2.0	R	AC,PV	Stine	20RD20 §	RR2Y	2.0	
Champion	21X77N	RRX	2.1	R	AC,PV	Titan Pro	TP-19X06	RRX	1.9	
Channel	2108R2	RR2Y	2.1	R	ACi	Titan Pro	TP-20R25	RR2Y	2.0	_
Cornelius	CB19R71	RR2Y	1.9	R	CMBV,IL	Titan Pro	TP-21R55	RR2Y	2.1	
Cornelius	CB20R44	RR2Y	2.0	R	CMBV,IL	Titan Pro	TP-21X46	RRX	2.1	
Cornelius	CB21X22	RRX	2.1	R	ACi	Thairi 10	11 21/40	TUOT	2.1	_
Croplan	R2C2200 CK	RR2Y	2.2	R	WCX					
Dairyland	DSR-1870/R2Y	RR2Y	1.8	R	CMB					
Dairyland Dairyland	DSR-2017/R2Y	RR2Y	2.0	R	CMB					_
Dairyland Dairyland	DSR-2017/R21 DSR-2110/R2Y	RR2Y	2.0	R	CMB] [
FS HiSoy	HS 18X60	RRX	1.8	R	ACi,Cl] [
FS HiSoy	HS 19A50	RR2Y	1.0	R	ACI,CI	1				_
FS HiSoy	HS 21X60	RRX	2.1	R	ACI,CI ACi,Cl] [
rs nisoy Hefty	H18X7	RRX	1.8	MR	DST] [
Hefty	H20X7	RRX	2.0	MR	DST	l				
Hefty	H21X6	RRX	2.1	MR						
Kruger	K2-1801	RR2Y	1.8	R	ACi					
Kruger	K2-1001	RR2Y	2.1	R	ACi					_
Latham	L1858R2	RR2Y	1.8	R	CCB,Me					
Latham	L1968R2	RR2Y	1.9	R	CCB,Me					
Latham	L2084R2	RR2Y	2.0	R	CCB,Me					_
Latham	L2184R2X	RRX	2.1	R	SS S					
LG Seeds	C1870R2	RR2Y	1.8	R	CCB					
LG Seeds LG Seeds	C2126RX	RRX	2.1	R	CCB					_
NK Brand	S20-T6 §	RR2Y	2.0	MR	CCB,Me					
NorthStar	NS 1916NR2	RR2Y	2.0	R	CMBV] [
NorthStar	NS 2031NR2	RR2Y	2.0	R	CMBV	1				_
NorthStar	NS 61882NXR2	RRX	1.8	R	CMBV] [
NorthStar	NS 62002NXR2	RRX	2.0	R	CMBV] [
Pfister	18R201	RR2Y	1.8	R	CCB	1				
Pfister	19R24	RR2Y	1.9	R	CCB] [
Pfister	21R203	RR2Y	2.1	R	CCB] [
Pfister	21R205	RR2Y	2.1	R	CCB	1				_
Pioneer	P20T79R2 §	RR2Y	2.0	R	None] [
Prairie Brand	PB-1822R2	RR2Y	1.8	R	CCB,In] [
Prairie Brand	PB-1022R2 PB-1947R2	RR2Y	1.9	R	CCB,In	1				_
Prairie Brand	PB-1947R2 PB-2024R2	RR2Y	2.1	R	CCB,III] [
Prairie Brand	PB-2024R2 PB-2197R2	RR2Y	2.1	R	CCB,III] [
Renk	RS177NX	RRX	1.8	R	CMBV	1				_
Renk	RS195NR2	RR2Y	1.9	R	CMBV] [
Renk	RS207NX	RRX	2.0	R	CMBV					



2016 Soybean - Iowa North [IANO]

Full-Season Test Products (36 Total)

Asgrow AG24X7 § RRX 2.4 R ACi Channel 2306R2 RR2Y 2.3 R ACi Channel 2416R2X § RRX 2.4 R ACi Cornelius CB22R34 RR2Y 2.2 R CMBV,IL Cornelius CB23X45 RRX 2.3 R ACi Croplan R2C2200 CK RR2Y 2.2 R WCX Croplan R2C2450 § RR2Y 2.4 R WCX Dairyland DSR-2330/R2Y RR2Y 2.3 R CMB Federal F2170NR2X GC RRX 2.1 R MAG Federal F247NRR2Y GC RR2Y 2.4 R MAG FS HiSoy HS 23A42 RR2Y 2.3 R ACi	iny/Bran
Channel 2306R2 RR2Y 2.3 R ACi Channel 2416R2X § RRX 2.4 R ACi Cornelius CB22R34 RR2Y 2.2 R CMBV,IL Cornelius CB23X45 RRX 2.3 R ACi Croplan R2C2200 CK RR2Y 2.2 R WCX Croplan R2C2450 § RR2Y 2.4 R WCX Dairyland DSR-2330/R2Y RR2Y 2.3 R CMB Federal F2170NR2X GC RRX 2.1 R MAG Federal F247NRR2Y GC RR2Y 2.4 R MAG FS HiSoy HS 23A42 RR2Y 2.3 R ACi	
Cornelius CB22R34 RR2Y 2.2 R CMBV,IL Cornelius CB23X45 RRX 2.3 R ACi Croplan R2C2200 CK RR2Y 2.2 R WCX Croplan R2C2450 § RR2Y 2.4 R WCX Dairyland DSR-2330/R2Y RR2Y 2.3 R CMB Federal F2170NR2X GC RRX 2.1 R MAG Federal F247NRR2Y GC RR2Y 2.4 R MAG FS HiSoy HS 23A42 RR2Y 2.3 R ACi	
Cornelius CB23X45 RRX 2.3 R ACi Croplan R2C2200 CK RR2Y 2.2 R WCX Croplan R2C2450 § RR2Y 2.4 R WCX Dairyland DSR-2330/R2Y RR2Y 2.3 R CMB Federal F2170NR2X GC RRX 2.1 R MAG Federal F247NRR2Y GC RR2Y 2.4 R MAG FS HiSoy HS 23A42 RR2Y 2.3 R ACi	
Croplan R2C2200 CK RR2Y 2.2 R WCX Croplan R2C2450 § RR2Y 2.4 R WCX Dairyland DSR-2330/R2Y RR2Y 2.3 R CMB Federal F2170NR2X GC RRX 2.1 R MAG Federal F247NRR2Y GC RR2Y 2.4 R MAG FS HiSoy HS 23A42 RR2Y 2.3 R ACi	
Croplan R2C2450 § RR2Y 2.4 R WCX Dairyland DSR-2330/R2Y RR2Y 2.3 R CMB Federal F2170NR2X GC RRX 2.1 R MAG Federal F247NRR2Y GC RR2Y 2.4 R MAG FS HiSoy HS 23A42 RR2Y 2.3 R ACi	
Dairyland DSR-2330/R2Y RR2Y 2.3 R CMB Federal F2170NR2X GC RRX 2.1 R MAG Federal F247NRR2Y GC RR2Y 2.4 R MAG FS HiSoy HS 23A42 RR2Y 2.3 R ACi	
Federal F2170NR2X GC RRX 2.1 R MAG Federal F247NRR2Y GC RR2Y 2.4 R MAG FS HiSoy HS 23A42 RR2Y 2.3 R ACi	
Federal F247NRR2Y GC RR2Y 2.4 R MAG FS HiSoy HS 23A42 RR2Y 2.3 R ACi	
FS HiSoy HS 23A42 RR2Y 2.3 R ACi	
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FO LICO LIC 00VC0 DDV 0.0 D AC: OI	
FS HiSoy HS 23X60 RRX 2.3 R ACi,Cl	
Hefty H23X7 RRX 2.3 S DST	
Hefty H24X6 RRX 2.4 MR DST	
Hefty H25X7 RRX 2.5 MR DST	
Latham L2228R2 RR2Y 2.2 R CCB,Me	
Latham L2348R2X RRX 2.3 R CCB,Me	
Latham L2454R2X RRX 2.4 S CCB,Me	
Latham L2482R2 RR2Y 2.4 R CCB,Me	
LG Seeds C2441R2 RR2Y 2.4 R CCB	
LG Seeds C2520R2 RR2Y 2.5 R CCB	
NK Brand S22-S1 § RR2Y 2.2 R CCB,Me	
NK Brand S25-L9 § RR2Y 2.5 R CCB,Me	
NorthStar NS 2282NR2 RR2Y 2.2 R CMBV	
NorthStar NS 2362NR2 RR2Y 2.3 R CMBV	
NorthStar NS 62332NXR2 RRX 2.3 R CMBV	
Pfister 24R201 RR2Y 2.4 R CCB	
Pioneer P22T41R2 § RR2Y 2.2 R EE,G	
Pioneer P25T51R § RR 2.5 R EE,G	
Prairie Brand PB-2296R2 RR2Y 2.2 R CCB,In	
Prairie Brand PB-2486R2 RR2Y 2.4 R CCB,In	
Renk RS246NR2 RR2Y 2.4 R CMBV	
Stine 24RE03 § RR2Y 2.4 MR SFI	
Stine 24RH62 § RR2Y 2.4 R SFI	
Titan Pro TP-23X76 RRX 2.3 R IS	
Titan Pro TP-24R26 RR2Y 2.4 R IS	



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.
 § United Soybean Board sponsored entry

Soybean Technologies

LL	LibertyLink®
None	Conventional, non-GMO
Р	Plenish®
RR	glyphosate tolerant
RR2Y	Genuity® Roundup Ready 2 Yield®
RRX	Genuity® Roundup Ready 2 Xtend®
ST	sulfonylurea tolerant

Soybean Cyst Nematode (SCN) Resistance Rating

S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

Soybean Seed Treatments*

<u> </u>			
n/a	info unavailable	IL	ILeVO®
AC	Acceleron® fungicide products	In	Intego™ Solo
ACi	Acceleron® fungicide and insecticide products	IS	Intego™ Suite
AG	ArmourGuard™	MAG	Maximum ArmourGuard™
AM	ApronMaxx®	Me	Mertect®
AVB	Avicta® Complete Beans	Mg	Magnum ST™ (standard)
CCB	Clariva™ Complete Beans	NCFI	N-Compass™ Plus F/I
Cl	Clariva™ pn	None	untreated
CMB	CruiserMaxx® Beans	PV	Poncho®/Votivo®
CMBV	CruiserMaxx® Beans with Vibrance	SDPI	Servo™ DPI
DPHB	DPH Boost®	SFI	Stine XP fungicide & insecticide
DST	Dominance™ ST	SS	Soyshield™
DX	Defend™ Extra	SS+	Soyshield Plus™
EE	Evergol™ Energy	SStd	SureStand™
En	Encase®	TE	Trius™ Elite
G	Gaucho®	WCX	Warden® CX
Gr+	Great Start™ Max Plus		

 $[\]ensuremath{^{*}}$ Seed treatments may include unspecified plant health promoting components.