2016 Soybean Top 30 Harvest Report

Iowa North [IANO] EMMETSBURG Iowa Lakes Comm. College, Tom Quastad, Palo Alto County, IA 50536



PREV. CROP/HERB: Corn / Breakfree NXT Lite, Realm Q

SOIL DESCRIPTION: Nicollet-Clarion clay loam, mod. well drained, non-irrigated

SOIL CONDITIONS: Mod. High P, high K, 6.9 pH, 4.4 % OM

TILLAGE/CULTIVATION: Conventional w/ fall till

PEST MANAGEMENT: Enlite, Roundup, Stratego, Cobalt

SEEDED - RATE - ROW: May 18 155,000 /A 15" Spacing

Early-Season Test Maturity Group 1.8 - 2.1

S2016IANO01a

Top 30 of 54

For Gross Income (Sorted by Yield) Average of (3) Replications

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HARVESTED - STAND:	Oct 11	144,800 /A						Avera	age of (3) F	Replications
				SCN	Seed	Yield	Moisture	Lodging	Stand	Gross
Company/Brand	Product/Brand	d† Technol.†	Mat.	Resist.	Trt.†	◆ Bu/A ◆	%	%	(x 1000)	Income
Titan Pro	TP-21X46	RRX	2.1	R	None	82.0	13.0	0	142.9	\$718
Pfister	21R205	RR2Y	2.1	R	CCB	79.5	13.5	0	148.1	\$695
Prairie Brand	PB-1822R2	RR2Y	1.8	R	CCB,In	79.3	14.1	8	146.4	\$692
Asgrow	AG1935 §	RR2Y	1.9	R	ACi	78.6	13.6	0	146.4	\$687
FS HiSoy	HS 21X60	RRX	2.1	R	ACi,Cl	78.3	13.1	0	142.9	\$685
Champion	20R35N	RR2Y	2.0	R	AC,PV	77.5	13.5	0	141.2	\$677
Kruger	K2-2103	RR2Y	2.1	R	ACi	77.0	13.5	0	139.5	\$673
LG Seeds	C2126RX	RRX	2.1	R	CCB	76.9	13.3	0	144.7	\$672
Cornelius	CB20R44	RR2Y	2.0	R	CMBV,IL	76.8	13.5	0	149.8	\$671
Hefty	H20X7	RRX	2.0	MR	DST	76.4	13.3	0	141.2	\$668
Stine	20RD20 §	RR2Y	2.0	R	SFI	76.4	13.5	0	146.4	\$668
Channel	2108R2	RR2Y	2.1	R	ACi	76.3	13.5	0	148.1	\$667
FS HiSoy	HS 18X60	RRX	1.8	R	ACi,CI	76.2	13.9	0	139.5	\$665
Prairie Brand	PB-2024R2	RR2Y	2.1	R	CCB,In	76.1	13.5	0	148.1	\$665
Dairyland	DSR-2110/R2	Y RR2Y	2.1	R	CMB	76.0	13.4	0	144.7	\$664
Renk	RS213NR2	RR2Y	2.1	R	CMBV	76.0	13.5	0	146.4	\$664
NK Brand	S20-T6 §	RR2Y	2.0	MR	CCB,Me	76.0	13.8	0	142.9	\$664
Asgrow	AG2035 §	RR2Y	2.0	R	ACi	75.5	13.6	0	144.7	\$660
Latham	L1968R2	RR2Y	1.9	R	CCB,Me	75.0	13.2	0	146.4	\$656
Titan Pro	TP-21R55	RR2Y	2.1	R	IS	74.7	13.6	3	142.9	\$653
Steyer	2103XR	RRX	2.1	MR	SStd	74.4	13.6	3	142.9	\$650
Champion	19R85N	RR2Y	1.9	R	AC,PV	73.5	14.1	3	142.9	\$642
Dairyland	DSR-1870/R2	Y RR2Y	1.8	R	CMB	73.0	13.3	0	142.9	\$638
Titan Pro	TP-20R25	RR2Y	2.0	R	IS	72.9	14.4	0	148.1	\$636
LG Seeds	C1870R2	RR2Y	1.8	R	CCB	72.8	13.5	5	148.1	\$636
Stine	19RF32 §	RR2Y	1.9	R	SFI	72.7	13.3	0	144.7	\$636
Latham	L2184R2X	RRX	2.1	R	SS	72.7	13.5	0	144.7	\$635
Cornelius	CB21X22	RRX	2.1	R	ACi	72.6	13.6	1	148.1	\$634
NorthStar	NS 62002NXI	R2 RRX	2.0	R	CMBV	72.5	13.6	0	146.4	\$634
Prairie Brand	PB-2197R2	RR2Y	2.1	R	CCB,In	72.5	14.1	0	142.9	\$633
Croplan	R2C2200 CK	RR2Y	2.2	R	WCX	74.5	13.9	3	144.7	\$651
Covery Magen	boom				Averages =		13.7	1	144.8	\$637
					SD(0.10) =		0.7	ns		
Corey Rozenboom	e	(040) 000 0000		LS	SD (0.25) =		0.5	ns		1 43
corey.rozenboom@firstseedtests.com, (319) 830-8886							u/a, 13 yrs			

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

TEST COMMENTS: Many area fields were planted in late May. Much of June was dry, but rains returned in first couple weeks of July. September was wet resulting in excellent seed fill and yields well above average. Largest rain events were 1.7" July 7, 1.9" July 10-11, followed by 3.5" Sept 5-7. Seasonal rainfall totals from planting through R6 on Aug 4 ended at about 0.5" 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: 10/12/2016 Revised

2016 Soybean Top 30 Harvest Report

Iowa North [IANO] EMMETSBURG
Iowa Lakes Comm. College, Tom Quastad, Palo Alto County, IA 50536



Full-Season Test

S2016IANO01b

Top 30 of 36

Maturity Group 2.2 - 2.5

PREV. CROP/HERB: Corn / Breakfree NXT Lite, Realm Q

SOIL DESCRIPTION: Nicollet-Clarion clay loam, mod. well drained, non-irrigated

SOIL CONDITIONS: Mod. High P, high K, 6.9 pH, 4.4 % OM

TILLAGE/CULTIVATION: Conventional w/ fall till

PEST MANAGEMENT: Enlite, Roundup, Stratego, Cobalt

SEEDED - RATE - ROW: May 18 155,000 /A 15" Spacing For Gross Income (Sorted by Yield)

HARVESTED - STAND: Oct 11 143,850 /A Average of (3) Replications

TIMINATED STATES	00011 110,0	700 111							- 3 (-)	-1
				SCN	Seed	Yield	Moisture	Lodging		Gross
Company/Brand	Product/Brand†	Technol.†	Mat.	Resist	. Trt.†	* Bu/A *	%	%	(x 1000)	Income
NorthStar	NS 2362NR2	RR2Y	2.3	R	CMBV	81.6	13.8	16	148.1	\$713
NorthStar	NS 62332NXR2	RRX	2.3	R	CMBV	78.2	13.6	0	141.2	\$683
Pfister	24R201	RR2Y	2.4	R	CCB	77.6	13.7	12	144.7	\$678
Latham	L2482R2	RR2Y	2.4	R	CCB,Me	77.3	14.0	15	148.1	\$675
Latham	L2228R2	RR2Y	2.2	R	CCB,Me	77.3	13.8	16	146.4	\$675
Federal	F247NRR2Y GC	RR2Y	2.4	R	MAG	77.2	13.9	22	144.7	\$674
Dairyland	DSR-2330/R2Y	RR2Y	2.3	R	CMB	76.7	13.7	8	143.0	\$670
Titan Pro	TP-24R26	RR2Y	2.4	R	IS	76.3	13.7	8	144.7	\$667
LG Seeds	C2520R2	RR2Y	2.5	R	CCB	76.2	13.7	25	143.0	\$666
Prairie Brand	PB-2486R2	RR2Y	2.4	R	CCB,In	76.1	13.7	13	144.7	\$665
Renk	RS246NR2	RR2Y	2.4	R	CMBV	76.0	13.8	8	146.4	\$664
Stine	24RH62 §	RR2Y	2.4	R	SFI	75.9	13.8	3	144.7	\$663
LG Seeds	C2441R2	RR2Y	2.4	R	CCB	75.4	13.4	3	144.7	\$659
Pioneer	P25T51R §	RR	2.5	R	EE,G	73.8	14.2	7	144.7	\$644
Channel	2416R2X §	RRX	2.4	R	ACi	72.7	14.5	27	141.2	\$634
Hefty	H24X6	RRX	2.4	MR	DST	72.6	14.4	12	141.2	\$633
Latham	L2348R2X	RRX	2.3	R	CCB,Me	72.5	13.7	12	141.2	\$633
Titan Pro	TP-23X76	RRX	2.3	R	IS	72.4	13.9	4	143.0	\$632
FS HiSoy	HS 23A42	RR2Y	2.3	R	ACi	71.6	14.1	1	141.2	\$625
Cornelius	CB23X45	RRX	2.3	R	ACi	71.5	13.9	1	144.7	\$624
Cornelius	CB22R34	RR2Y	2.2	R	CMBV,IL	71.5	13.9	19	139.5	\$624
FS HiSoy	HS 23X60	RRX	2.3	R	ACi,Cl	71.2	14.3	3	144.7	\$621
Prairie Brand	PB-2296R2	RR2Y	2.2	R	CCB,In	70.8	14.1	21	146.4	\$618
Hefty	H25X7	RRX	2.5	MR	DST	70.4	14.3	1	139.5	\$614
Pioneer	P22T41R2 §	RR2Y	2.2	R	EE,G	68.6	14.2	21	143.0	\$599
Federal	F2170NR2X GC	RRX	2.1	R	MAG	68.5	13.8	11	141.2	\$598
Channel	2306R2	RR2Y	2.3	R	ACi	68.2	13.7	23	143.0	\$596
Latham	L2454R2X	RRX	2.4	S	CCB,Me	65.8	14.8	43	144.7	\$573
Asgrow	AG24X7 §	RRX	2.4	R	ACi	64.8	14.2	10	144.7	\$565
NK Brand	S25-L9 §	RR2Y	2.5	R	CCB,Me	63.7	14.7	11	144.7	\$555
Croplan	R2C2200 CK	RR2Y	2.2	R	WCX	71.8	14.0	16	144.7	\$627
0 7	1				Averages =	71.4	14.1	14	143.9	\$623
Corey Magn	Noon			L	SD (0.10) =		0.7	ns		
Corey Rozenboom	Corey Rozenboom					3.4	0.5	ns		
	firstseedtests.com, (31	9) 830-8886			C.V. =	5.2	Prev. ye	ears avg. y	/ield, 54.3 b	u/a, 13 yrs
,	6.12 0.12							<u> </u>	•	

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

TEST COMMENTS: Many area fields were planted in late May. Much of June was dry, but rains returned in first couple weeks of July. September was wet resulting in excellent seed fill and yields well above average. Largest rain events were 1.7" July 7, 1.9" July 10-11, followed by 3.5" Sept 5-7. Seasonal rainfall totals from planting through R6 on Aug 4 ended at about 0.5" below the 30-yr average for this area.

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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	
·	
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.