

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

2019 Soybeans Top 30 Harvest Report

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

Early-Season Test	1.7 - 2.1 Day CRM S2019IANO04a
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Halex GT, Callisto Extra
SOIL DESCRIPTION:	Floyd-Clyde clay loam, well drained, non-irrigated
SOIL CONDITION:	medium P, medium K, 6.7 pH, 5.9% OM, 18.2 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Sonic, Boundary, 2-4d, Delaro, Warrior, Prefix, Fusilade
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 15 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 18 127.8 /A

TEST COMMENTS:

A lot of water here this season. This field received 4.5" of rain on May 18, three days after planting. A gentle slope of the test site allowed the water to run off well, but plant stands were impacted by the extended saturation and some washing. Once out of the ground, plants were healthy and flowered well. Showers were consistent through the season and generally excessive, ending at 29.7" for the season from planting through Oct 1, 9.5" above the 30 year average. Late August through early Sept also trended cooler than average.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
CORNELIUS	CB21X55	RRX	2.1	R	66.0	12.4	1	120.8	561	1
FS HISOY	HS 19A50	RR2Y	1.9	R	66.0	12.4	1	126.0	561	2
CHAMPION	21X99N	RRX	2.1	R	65.8	12.4	1	127.9	559	3
KRUGER	K2X-2073	RRX	2.0	R	65.1	12.4	1	132.9	553	4
NORTHSTAR	NS 62115NXR2	RRX	2.1	R	65.1	12.4	1	124.8	552	7
HEFTY	Z1800E	E3	1.8	R	65.0	12.5	1	132.6	552	5
NK BRAND	S20-J5X	RRX	2.0	R	65.0	12.4	1	127.0	552	6
NK BRAND	S21-W8X	RRX	2.1	R	64.8	12.4	1	130.2	551	9
CHAMPION	2190EN	E3	2.1	R	64.8	12.4	1	133.4	551	8
ASGROW	AG20X9	RRX	2.0	R	64.7	12.5	1	127.2	550	10
LATHAM	L 1748R2	RR2Y	1.7	R	64.2	12.4	1	122.1	546	11
TITAN PRO	20GL8	LG27	2.0	R	63.4	12.3	1	127.4	539	12
HOEGEMEYER	1910 E	E3	1.9	R	63.3	12.4	1	125.5	538	13
LATHAM	L 2084R2	RR2Y	2.0	R	63.0	12.5	1	127.7	536	14
GENESIS	G2140E	E3	2.1	R	62.9	12.4	1	128.5	535	15
BECKS	2088FP	LLGT	2.0	MR	62.8	12.3	1	120.0	534	16
TITAN PRO	18E9	E3	1.8	R	62.8	12.6	1	126.5	534	18
CREDENZ	CZ 2040GTLL	LG27	2.0	R	62.6	12.3	1	131.2	532	19
ASGROW	AG19X0	RRX	1.9	R	62.4	12.6	1	131.2	530	20
FS HISOY	HS 21X90	RRX	2.1	R	62.2	12.4	1	122.3	529	21
TITAN PRO	19E8	E3	1.9	R	62.1	12.5	1	131.2	528	22
HEFTY	Z1900E	E3	1.9	R	62.0	12.4	1	132.7	527	24
PIONEER	P18A98X §	RRX	1.8	R	62.0	12.4	1	132.9	527	25
CREDENZ	CZ 1859GTLL	LG27	1.8	R	62.0	12.5	1	127.7	527	23
HEFTY	H20X0	RRX	2.0	R	61.5	12.4	1	124.7	523	26
CORNELIUS	CB20X22	RRX	2.0	R	61.4	12.4	1	123.6	522	27
FS HISOY	HS 19X90	RRX	1.9	R	61.3	12.4	1	135.7	521	28
NK BRAND	S14-U9X	RRX	1.4	MR	61.3	12.4	1	127.9	520	29
KRUGER	K2X-2052	RRX	2.0	R	61.0	12.4	24	125.0	518	30
CREDENZ	CZ 1549GTLL	LG27	1.5	R	60.3	12.5	1	124.5	513	31
CROPLAN	R2C2200 CK	RR2Y	2.2	R	62.8	12.5	1	127.9	534	17

Corey Rozenboom

Corey Rozenboom

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Averages =	61.9	12.4	2	127.8	527
LSD (0.10) =	1.9	0.1	5		
LSD (0.25) =	1.0	0.0	3		
C.V. =	2.9				

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$8.50

Report Date: 10/23/2019

Revised: 10/23/2019 (entry correction to USB sponsored)

Additional reports available at www.firstseedtests.com

† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different

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2019 Soybeans Top 30 Harvest Report

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Mark Bruening, Chickasaw County, IA 50659

Full-Season Test	2.2 - 2.5 Day CRM S2019IANO04b
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Halex GT, Callisto Extra
SOIL DESCRIPTION:	Floyd-Clyde clay loam, well drained, non-irrigated
SOIL CONDITION:	medium P, medium K, 6.7 pH, 5.9% OM, 18.2 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Sonic, Boundary, 2-4d, Delaro, Warrior, Prefix, Fusilade
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 15 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 18 126.2 /A

TEST COMMENTS:

A lot of water here this season. This field received 4.5" of rain on May 18, three days after planting. A gentle slope of the test site allowed the water to run off well, but plant stands were impacted by the extended saturation and some washing. Once out of the ground, plants were healthy and flowered well. Showers were consistent through the season and generally excessive, ending at 29.7" for the season from planting through Oct 1, 9.5" above the 30 year average. Late August through early Sept also trended cooler than average.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
CORNELIUS	CB24X64	RRX	2.4	R	68.9	12.8	1	128.9	586	1
CORNELIUS	P3 2023E	E3	2.3	R	68.0	12.7	1	128.5	578	2
LATHAM	L 2549R2X	RRX	2.5	R	67.9	12.6	1	127.5	577	3
NORTHSTAR	NS 82265NLG+	LG27	2.2	R	66.2	12.6	1	124.5	563	4
FS HISOY	HS 24X80	RRX	2.4	R	66.1	12.6	1	126.0	562	5
NORTHSTAR	NS 92335NE3	E3	2.3	R	66.0	12.7	1	131.1	561	6
PIONEER	P25A70R §	RR	2.5	R	65.2	12.7	1	129.9	554	7
TITAN PRO	23E9	E3	2.3	R	64.4	12.7	1	128.0	547	9
CORNELIUS	P3 2022B	LG27	2.2	R	64.3	12.6	1	129.4	547	8
LEGEND	LS 24LGT053N	LG27	2.4	R	64.2	12.6	1	128.2	546	10
NORTHSTAR	NS 62294NXR2	RRX	2.2	MR	63.8	12.5	1	128.5	542	11
GENESIS	G2340E	E3	2.3	R	63.8	12.6	1	128.9	542	12
HEFTY	H24X8	RRX	2.4	MR	63.5	12.7	1	129.4	540	13
STINE	25GA62	LG27	2.5	R	63.3	12.6	1	130.3	538	14
HEFTY	Z2300E	E3	2.3	R	63.2	12.6	1	122.3	537	15
KRUGER	K2X-2283	RRX	2.2	R	63.2	12.6	1	129.7	537	16
RENK	RS248NX	RRX	2.4	R	63.2	12.8	1	125.8	537	17
PIONEER	P24A99X §	RRX	2.4	R	62.8	12.5	1	129.5	534	18
CREDENZ	CZ 2360GTLL	LG27	2.3	MR	62.7	12.6	1	123.6	533	19
NK BRAND	S25-V8X	RRX	2.5	MR	62.6	12.8	1	124.7	532	20
HEFTY	H23X0	RRX	2.3	R	62.5	12.6	1	128.3	531	21
RENK	RS250NX	RRX	2.5	R	62.4	12.7	1	120.0	530	22
FS HISOY	HS 22X90	RRX	2.2	R	62.1	12.6	1	133.1	528	23
LATHAM	L 2395 LLGT27	LG27	2.3	R	62.1	12.6	1	130.2	528	24
LEGEND	LS 23E052N	E3	2.3	R	62.1	12.7	1	123.0	528	25
CHAMPION	24X98N	RRX	2.4	R	62.0	12.7	1	120.6	527	26
LATHAM	L 2578 LLGT27	LG27	2.5	R	61.9	12.7	1	124.7	526	28
FS HISOY	HS 23X70	RRX	2.3	R	61.8	12.5	1	127.7	525	29
GOLDEN HARVEST	GH2552X	RRX	2.5	MR	61.6	12.8	1	117.6	524	30
TITAN PRO	25E8	E3	2.5	R	61.6	12.7	1	121.1	524	31
CROPLAN	R2C2200 CK	RR2Y	2.2	R	62.0	12.6	1	123.8	527	27

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Averages =	62.4	12.6	1	126.2	531
LSD (0.10) =	2.2	0.2	0		
LSD (0.25) =	1.1	0.1	0		
C.V. =	3.3				

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$8.50

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Early-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	SCN	RM
ASGROW	AG17X8	RRX	R	1.7
ASGROW	AG19X0	RRX	R	1.9
ASGROW	AG20X9	RRX	R	2.0
BECKS	2088FP	LLGT	MR	2.0
CHAMPION	2190EN	E3	R	2.1
CHAMPION	21X99N	RRX	R	2.1
CORNELIUS	CB20X22	RRX	R	2.0
CORNELIUS	CB21X55	RRX	R	2.1
CORNELIUS	P3 2018E	E3	R	1.8
CREDENZ	CZ 1549GTLL	LG27	R	1.5
CREDENZ	CZ 1850GTLL	LG27	MR	1.8
CREDENZ	CZ 1859GTLL	LG27	R	1.8
CREDENZ	CZ 2040GTLL	LG27	R	2.0
CROPLAN	R2C2200 CK	RR2Y	R	2.2
FS HISOY	HS 18X70	RRX	R	1.8
FS HISOY	HS 19A50	RR2Y	R	1.9
FS HISOY	HS 19X90	RRX	R	1.9
FS HISOY	HS 21X90	RRX	R	2.1
GENESIS	G2140E	E3	R	2.1
HEFTY	H17X0	RRX	R	1.7
HEFTY	H20X0	RRX	R	2.0
HEFTY	Z1800E	E3	R	1.8
HEFTY	Z1900E	E3	R	1.9
HOEGEMEYER	1910 E	E3	R	1.9
KRUGER	K2X-1773	RRX	MR	1.7
KRUGER	K2X-1862	RRX	R	1.8
KRUGER	K2X-2052	RRX	R	2.0
KRUGER	K2X-2073	RRX	R	2.0
LATHAM	L 1748R2	RR2Y	R	1.7
LATHAM	L 2084R2	RR2Y	R	2.0
LATHAM	L 2159 R2X	RRX	R	2.1
LATHAM	L 2178 LLGT27	LG27	R	2.1
LEGEND	LS 21X003N	RRX	R	2.1
NK BRAND	S14-U9X	RRX	MR	1.4
NK BRAND	S20-J5X	RRX	R	2.0
NK BRAND	S21-W8X	RRX	R	2.1

Company/Brand	Brand/Product	Technology	RM	SCN
NORTHSTAR	NS 62115NXR2	RRX	R	2.1
NORTHSTAR	NS 82024NLG+	LG27	R	2.0
NORTHSTAR	NS 91895NE3	E3	R	1.8
PIONEER	P18A98X §	RRX	R	1.8
RENK	RS200NX	RRX	R	2.1
TITAN PRO	18E9	E3	R	1.8
TITAN PRO	19E8	E3	R	1.9
TITAN PRO	20E9	E3	R	2.0
TITAN PRO	20GL8	LG27	R	2.0

Full-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	SCN	RM
ASGROW	AG25X0	RRX	R	2.5
BECKS	2559X2 GC	RRX	R	2.5
CHAMPION	2220GTLL	LG27	R	2.2
CHAMPION	24X98N	RRX	R	2.4
CORNELIUS	CB24X64	RRX	R	2.4
CORNELIUS	P3 2022B	LG27	R	2.2
CORNELIUS	P3 2023E	E3	R	2.3
CORNELIUS	P3 2025B	LG27	R	2.5
CREDENZ	CZ 2360GTLL	LG27	MR	2.3
CREDENZ	CZ 2550GTLL	LG27	MR	2.5
CREDENZ	CZ 2579GTLL	LG27	MR	2.5
CROPLAN	R2C2200 CK	RR2Y	R	2.2
FS HISOY	HS 22X90	RRX	R	2.2
FS HISOY	HS 23X70	RRX	R	2.3
FS HISOY	HS 24X80	RRX	R	2.4
FS HISOY	HS 25X70	RRX	R	2.5
GENESIS	G2181GL	LG27	R	2.2
GENESIS	G2340E	E3	R	2.3
GOLDEN HARVEST	GH2552X	RRX	MR	2.5
HEFTY	H23X0	RRX	R	2.3
HEFTY	H24X8	RRX	MR	2.4
HEFTY	H25E0	E3	R	2.5
HEFTY	Z2300E	E3	R	2.3
KRUGER	K2X-2283	RRX	R	2.2
KRUGER	K2X-2573	RRX	R	2.5
LATHAM	L 2395 LLGT27	LG27	R	2.3
LATHAM	L 2429 E3	E3	R	2.4
LATHAM	L 2549R2X	RRX	R	2.5
LATHAM	L 2578 LLGT27	LG27	R	2.5
LEGEND	LS 23E052N	E3	R	2.3
LEGEND	LS 24LGT053N	LG27	R	2.4
NK BRAND	S25-B6X	RRX	R	2.5
NK BRAND	S25-V8X	RRX	MR	2.5
NORTHSTAR	NS 62294NXR2	RRX	MR	2.2
NORTHSTAR	NS 82265NLG+	LG27	R	2.2
NORTHSTAR	NS 92335NE3	E3	R	2.3

Company/Brand	Brand/Product	Technology	RM	SCN
PIONEER	P24A99X §	RRX	R	2.4
PIONEER	P25A70R §	RR	R	2.5
RENK	RS248NX	RRX	R	2.4
RENK	RS250NX	RRX	R	2.5
STINE	25GA62	LG27	R	2.5
TITAN PRO	22E8	E3	R	2.2
TITAN PRO	23E9	E3	R	2.3
TITAN PRO	24GL9	LG27	R	2.4
TITAN PRO	25E8	E3	R	2.5

Footnotes and Abbreviations Descriptions

Brand Footnotes

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 Cyst Nematode (SCN) Resistance Rating

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

Soybeans Technologies*

E3	Enlist E3™
G27	GT27™
LL	LibertyLink®
None	Conventional, non-GMO
RR	Glyphosate tolerant
RR2Y	Genuity® Roundup Ready 2 Yield®
RRX	Roundup Ready 2 Xtend®
ST	Sulfonylurea herbicide tolerant
