

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

2019 Soybeans Top 30 Harvest Report

Iowa North [IANO] LEDYARD, IA
Brian Thilges, Kossuth County, IA 50484

Early-Season Test	1.7 - 2.1 Day CRM S2019IANO02a
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Atrazine, Surestart, Glyphosate
SOIL DESCRIPTION:	Nicollet-Clarion clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	high P, high K, 7.4 pH, 4.6% OM, 24.5 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Zidua Pro, Flexstar Gt + Outlook
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 15 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 15 131.6 /A

TEST COMMENTS:

Wet spring weather allowed for narrow planting windows that were few and far between in the area. By mid-May this site was no-tilled into Nicollet clay loam that has excellent fertility. From planting until June 1, 4.7" of rain saturated soils and challenged young plants. Plant stands were good in spite of the excess moisture. Rainfall was consistent through much of the season, ending around 24" from planting through Oct. 1. That's 5" above the 30-year average for this area in that time frame.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
ASGROW	AG20X9	RRX	2.0	R	69.9	14.0	1	133.7	593	1
KRUGER	K2X-1862	RRX	1.8	R	68.5	13.8	1	132.6	581	2
HEFTY	Z1900E	E3	1.9	R	66.8	13.9	1	125.3	567	3
FS HISOY	HS 21X90	RRX	2.1	R	66.7	13.8	1	130.7	566	4
FS HISOY	HS 19A50	RR2Y	1.9	R	65.5	13.9	1	128.2	556	5
CORNELIUS	CB20X22	RRX	2.0	R	65.4	14.0	1	127.3	555	6
GENESIS	G2140E	E3	2.1	R	65.4	14.0	1	132.7	555	7
KRUGER	K2X-2073	RRX	2.0	R	65.2	13.9	1	133.9	553	8
NK BRAND	S20-J5X	RRX	2.0	R	65.2	14.0	1	131.0	553	9
CREDENZ	CZ 1850GTLL	LG27	1.8	MR	64.3	13.9	1	135.5	545	10
NORTHSTAR	NS 62115NXR2	RRX	2.1	R	64.0	13.9	1	132.0	543	12
ASGROW	AG17X8	RRX	1.7	R	64.0	13.9	1	133.9	543	11
HEFTY	Z1800E	E3	1.8	R	63.6	14.1	1	133.7	539	13
LATHAM	L 2159 R2X	RRX	2.1	R	63.3	13.9	1	134.6	537	14
CREDENZ	CZ 1549GTLL	LG27	1.5	R	63.2	14.1	1	129.0	536	15
HEFTY	H20X0	RRX	2.0	R	63.1	13.9	1	131.1	535	16
RENK	RS200NX	RRX	2.1	R	62.9	13.9	1	130.7	534	17
TITAN PRO	20E9	E3	2.0	R	62.8	14.0	1	133.2	533	18
NORTHSTAR	NS 91895NE3	E3	1.8	R	62.8	14.1	1	134.1	532	19
TITAN PRO	19E8	E3	1.9	R	62.5	14.0	1	130.0	530	20
FS HISOY	HS 18X70	RRX	1.8	R	62.1	13.9	1	132.2	527	22
CORNELIUS	CB21X55	RRX	2.1	R	62.1	13.8	1	129.0	527	21
PIONEER	P18A98X §	RRX	1.8	R	61.8	13.9	1	133.2	524	23
FS HISOY	HS 19X90	RRX	1.9	R	61.7	13.8	1	134.7	523	24
LATHAM	L 2178 LLGT27	LG27	2.1	R	61.6	13.9	1	132.9	522	25
NK BRAND	S14-U9X	RRX	1.4	MR	61.4	13.9	1	132.7	521	26
NK BRAND	S21-W8X	RRX	2.1	R	61.4	13.9	1	131.9	521	27
HOEGEMEYER	1910 E	E3	1.9	R	61.1	14.0	1	133.9	518	28
TITAN PRO	20GL8	LG27	2.0	R	60.9	13.7	1	130.0	517	29
LATHAM	L 2084R2	RR2Y	2.0	R	60.8	13.8	1	133.7	516	30
CROPLAN	R2C2200 CK	RR2Y	2.2	R	60.6	13.9	1	130.5	514	32

Corey Rozenboom

Corey Rozenboom

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Averages = **62.2** **13.9** **1** **131.6** **527**

LSD (0.10) = 3.0 0.1 0

LSD (0.25) = 1.6 0.0 0

C.V. = 4.5

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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Full-Season Test	2.2 - 2.5 Day CRM S2019IANO02b
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Atrazine, Surestart, Glyphosate
SOIL DESCRIPTION:	Nicollet-Clarion clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	high P, high K, 7.4 pH, 4.6% OM, 24.5 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Zidua Pro, Flexstar Gt + Outlook
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 15 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 15 130.7 /A

TEST COMMENTS:

Wet spring weather allowed for narrow planting windows that were few and far between in the area. By mid-May this site was no-tilled into Nicollet clay loam that has excellent fertility. From planting until June 1, 4.7" of rain saturated soils and challenged young plants. Plant stands were good in spite of the excess moisture. Rainfall was consistent through much of the season, ending around 24" from planting through Oct. 1. That's 5" above the 30-year average for this area in that time frame.

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	68.1	14.4	1	132.7	577	1
CHAMPION	24X98N	RRX	2.4	R	67.4	14.3	1	130.9	571	2
RENK	RS248NX	RRX	2.4	R	67.1	14.2	1	129.5	569	4
FS HISOY	HS 24X80	RRX	2.4	R	67.0	13.6	1	129.4	569	3
GENESIS	G2181GL	LG27	2.2	R	66.9	14.2	1	129.4	566	5
LATHAM	L 2549R2X	RRX	2.5	R	66.1	13.0	1	130.9	561	6
PIONEER	P25A70R §	RR	2.5	R	65.9	14.7	1	127.4	558	7
RENK	RS250NX	RRX	2.5	R	64.4	14.2	1	131.2	546	8
LATHAM	L 2395 LLGT27	LG27	2.3	R	64.3	14.2	1	130.2	545	9
HEFTY	H24X8	RRX	2.4	MR	64.2	14.4	1	136.7	544	10
PIONEER	P24A99X §	RRX	2.4	R	63.9	14.2	1	137.7	542	11
LATHAM	L 2578 LLGT27	LG27	2.5	R	63.7	14.3	1	133.2	540	12
CORNELIUS	P3 2022B	LG27	2.2	R	63.6	13.9	1	129.4	539	13
NORTHSTAR	NS 92335NE3	E3	2.3	R	63.2	14.2	1	134.9	536	14
NORTHSTAR	NS 62294NXR2	RRX	2.2	MR	62.8	14.2	13	128.7	532	15
LEGEND	LS 24LGT053N	LG27	2.4	R	62.4	13.9	1	133.2	529	16
CORNELIUS	P3 2025B	LG27	2.5	R	62.1	13.7	1	132.2	527	17
CREDENZ	CZ 2360GTLL	LG27	2.3	MR	61.4	14.2	1	129.1	520	18
NORTHSTAR	NS 82265NLG+	LG27	2.2	R	61.2	13.8	9	134.2	519	20
ASGROW	AG25X0	RRX	2.5	R	61.1	13.6	1	129.8	519	19
GOLDEN HARVEST	GH2552X	RRX	2.5	MR	60.9	14.5	5	130.4	516	21
KRUGER	K2X-2573	RRX	2.5	R	60.7	13.5	1	129.6	515	22
TITAN PRO	24GL9	LG27	2.4	R	60.4	14.2	1	132.4	512	23
CREDENZ	CZ 2550GTLL	LG27	2.5	MR	60.0	14.7	1	130.4	508	24
CHAMPION	2220GTLL	LG27	2.2	R	59.7	13.3	1	121.6	507	25
TITAN PRO	25E8	E3	2.5	R	59.7	14.3	1	124.3	506	27
NK BRAND	S25-V8X	RRX	2.5	MR	59.7	14.6	13	133.7	505	28
HEFTY	Z2300E	E3	2.3	R	59.2	13.9	1	128.5	502	29
KRUGER	K2X-2283	RRX	2.2	R	58.9	14.2	1	125.8	499	30
STINE	25GA62	LG27	2.5	R	58.4	14.2	1	137.4	495	31
CROPLAN	R2C2200 CK	RR2Y	2.2	R	59.7	14.0	1	134.4	506	26

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Averages =	60.5	14.1	2	130.7	511
LSD (0.10) =	3.1	0.4	5		
LSD (0.25) =	1.6	0.2	3		
C.V. =	4.8				

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

Report Date: 10/23/2019

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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
