

2019 Soybeans Top 30 Performance Summary for Iowa North [IANO]

Early-Season Test

1.7 - 2.1 Day CRM

S2019IANOa

Top 30 of 45

For Gross Income (Sorted by Yield), (12) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A	Protein (%)	Oil (%)	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Ledyard	Lu Verne	New Hampton	Osage
FS HISOY	HS 19A50	RR2Y	1.9	R	64.1	33.6	18.8	13.5	1	544	1	65.5	67.2	66.0	57.6
ASGROW	AG20X9	RRX	2.0	R	63.2	32.9	18.8	13.6	1	536	2	69.9	64.6	64.7	53.5
NORTHSTAR	NS 62115NXR2	RRX	2.1	R	62.0	33.2	18.6	13.6	1	526	3	64.0	65.2	65.1	53.7
NK BRAND	S20-J5X	RRX	2.0	R	61.9	33.6	18.9	13.5	1	525	4	65.2	64.8	65.0	52.5
CHAMPION	2190EN	E3	2.1	R	61.7	34.1	18.6	13.7	1	523	5	57.7	68.4	64.8	55.8
KRUGER	K2X-1862	RRX	1.8	R	61.7	32.2	19.7	13.5	9	523	6	68.5	62.5	60.4	55.3
NK BRAND	S21-W8X	RRX	2.1	R	61.6	33.4	19.1	13.6	1	523	7	61.4	64.7	64.8	55.6
KRUGER	K2X-2073	RRX	2.0	R	61.3	34.5	18.4	13.5	6	520	8	65.2	59.8	65.1	54.9
CORNELIUS	CB20X22	RRX	2.0	R	61.2	33.1	18.7	13.5	1	519	9	65.4	64.8	61.4	53.0
TITAN PRO	20E9	E3	2.0	R	61.0	34.0	18.8	13.7	1	518	10	62.8	65.6	58.9	56.7
CORNELIUS	CB21X55	RRX	2.1	R	61.0	33.6	19.0	13.6	1	518	11	62.1	59.7	66.0	56.1
GENESIS	G2140E	E3	2.1	R	60.8	33.9	18.8	13.7	1	516	12	65.4	60.5	62.9	54.5
HEFTY	H20X0	RRX	2.0	R	60.8	33.2	18.6	13.6	1	516	13	63.1	66.4	61.5	52.4
FS HISOY	HS 21X90	RRX	2.1	R	60.7	33.0	18.8	13.5	1	516	14	66.7	63.5	62.2	50.5
RENK	RS200NX	RRX	2.1	R	60.6	33.2	18.6	13.6	1	514	15	62.9	66.7	60.4	52.5
ASGROW	AG19X0	RRX	1.9	R	60.6	34.0	18.8	13.7	1	514	16	60.3	61.4	62.4	58.2
TITAN PRO	19E8	E3	1.9	R	60.3	32.7	19.9	13.7	1	511	18	62.5	61.6	62.1	54.8
LATHAM	L 1748R2	RR2Y	1.7	R	60.3	33.4	19.2	13.6	1	511	19	59.7	62.4	64.2	54.7
PIONEER	P18A98X §	RRX	1.8	R	60.2	33.2	19.2	13.6	1	511	20	61.8	62.5	62.0	54.5
LATHAM	L 2159 R2X	RRX	2.1	R	60.1	33.4	18.4	13.6	1	510	21	63.3	64.7	60.3	51.9
LATHAM	L 2084R2	RR2Y	2.0	R	59.9	33.9	19.2	13.7	2	509	22	60.8	63.5	63.0	52.5
HOEGEMEYER	1910 E	E3	1.9	R	59.6	33.2	18.7	13.7	5	505	23	61.1	62.8	63.3	51.1
ASGROW	AG17X8	RRX	1.7	R	59.5	33.4	19.6	13.6	1	505	24	64.0	62.3	58.6	53.3
HEFTY	Z1800E	E3	1.8	R	59.5	33.6	18.8	13.8	1	504	26	63.6	64.1	65.0	45.2
KRUGER	K2X-1773	RRX	1.7	MR	59.5	32.7	19.5	13.6	1	505	25	60.7	62.9	60.0	54.3
KRUGER	K2X-2052	RRX	2.0	R	59.5	34.0	19.0	13.6	7	504	27	60.5	61.9	61.0	54.4
CHAMPION	21X99N	RRX	2.1	R	59.4	34.2	18.7	13.6	5	504	28	59.7	62.4	65.8	49.8
LATHAM	L 2178 LLGT27	LG27	2.1	R	59.3	34.4	18.5	13.6	1	503	29	61.6	67.0	58.2	50.3
FS HISOY	HS 19X90	RRX	1.9	R	59.3	33.3	19.0	13.6	1	503	30	61.7	64.0	61.3	50.0
CORNELIUS	P3 2018E	E3	1.8	R	59.3	33.4	19.0	13.9	1	503	31	59.9	64.1	59.2	53.8
CROPLAN	R2C2200 CK	RR2Y	2.2	R	60.4	33.1	19.1	13.6	1	512	17	60.6	65.5	62.8	52.5

Corey Rozenboom

Averages =	59.8	33.4	19.0	13.6	2	508	62.2	62.7	61.9	52.4
LSD (0.10) =	2.4	0.4	0.2	0.1	3		3.0	2.8	1.9	2.4
LSD (0.25) =	1.3	0.2	0.1	0.0	2		1.6	1.5	1.0	1.3

Corey Rozenboom

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Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.02

Prices: GMO = \$8.50

† 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 Performance Summary for Iowa North [IANO]



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

Full-Season Test

2.2 - 2.5 Day CRM

S2019IANOb

Top 30 of 45

For Gross Income (Sorted by Yield), (12) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A	Protein (%)	Oil (%)	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Ledyard	Lu Verne	New Hampton	Osage
FS HISOY	HS 24X80	RRX	2.4	R	63.9	33.5	18.5	12.6	1	543	1	67.0	68.3	66.1	54.1
CORNELIUS	CB24X64	RRX	2.4	R	63.4	33.5	19.4	13.5	1	538	2	68.1	64.8	68.9	51.8
PIONEER	P25A70R §	RR	2.5	R	62.9	32.7	19.0	13.3	1	534	3	65.9	66.5	65.2	54.1
LATHAM	L 2549R2X	RRX	2.5	R	62.2	33.2	18.4	12.6	1	529	4	66.1	65.2	67.9	49.8
HEFTY	H24X8	RRX	2.4	MR	61.9	33.3	19.3	13.4	1	525	5	64.2	63.1	63.5	56.7
GENESIS	G2181GL	LG27	2.2	R	61.8	32.7	19.4	13.3	1	525	6	66.9	68.7	58.5	53.2
KRUGER	K2X-2283	RRX	2.2	R	61.4	32.6	19.7	13.0	1	521	7	58.9	65.3	63.2	58.1
RENK	RS248NX	RRX	2.4	R	61.3	33.2	19.6	13.4	1	520	8	67.1	61.9	63.2	52.8
NORTHSTAR	NS 62294NXR2	RRX	2.2	MR	61.0	33.7	18.5	13.1	5	518	10	62.8	64.9	63.8	52.3
PIONEER	P24A99X §	RRX	2.4	R	60.9	33.8	19.3	13.3	1	517	11	63.9	65.6	62.8	51.3
CHAMPION	24X98N	RRX	2.4	R	60.6	33.7	19.0	13.4	1	514	12	67.4	62.6	62.0	50.3
CREDENZ	CZ 2360GTLL	LG27	2.3	MR	60.4	32.9	19.4	13.2	1	513	13	61.4	63.6	62.7	53.8
CORNELIUS	P3 2022B	LG27	2.2	R	60.3	34.3	18.5	12.8	4	512	14	63.6	63.7	64.3	49.7
LEGEND	LS 24LGT053N	LG27	2.4	R	59.7	32.8	19.6	13.0	1	507	15	62.4	61.6	64.2	50.4
NORTHSTAR	NS 92335NE3	E3	2.3	R	59.6	32.8	18.6	13.2	1	506	16	63.2	56.7	66.0	52.5
LATHAM	L 2395 LLGT27	LG27	2.3	R	59.5	32.5	19.6	13.1	1	506	17	64.3	57.8	62.1	53.9
LATHAM	L 2578 LLGT27	LG27	2.5	R	59.5	33.4	18.8	13.2	1	505	18	63.7	60.4	61.9	52.0
CORNELIUS	P3 2025B	LG27	2.5	R	59.4	33.0	19.8	12.8	1	505	19	62.1	61.1	60.1	54.3
TITAN PRO	22E8	E3	2.2	R	59.4	32.1	19.7	13.1	1	504	20	56.3	64.2	61.4	55.6
HEFTY	Z2300E	E3	2.3	R	59.1	31.7	20.0	13.0	1	502	22	59.2	64.0	63.2	50.1
GOLDEN HARVEST	GH2552X	RRX	2.5	MR	59.1	33.3	18.9	13.3	2	502	21	60.9	62.3	61.6	51.7
NORTHSTAR	NS 82265NLG+	LG27	2.2	R	59.0	34.1	18.6	13.0	4	502	23	61.2	60.1	66.2	48.6
RENK	RS250NX	RRX	2.5	R	58.9	32.6	18.6	13.0	1	500	24	64.4	60.0	62.4	48.6
HEFTY	H23X0	RRX	2.3	R	58.7	33.3	19.0	13.0	1	499	25	57.9	64.3	62.5	50.1
FS HISOY	HS 25X70	RRX	2.5	R	58.5	32.9	19.4	13.2	1	497	26	58.3	65.9	59.6	50.1
NK BRAND	S25-V8X	RRX	2.5	MR	58.2	33.3	18.7	13.5	6	495	28	59.7	57.6	62.6	53.1
ASGROW	AG25X0	RRX	2.5	R	58.2	33.0	19.3	12.8	1	495	27	61.1	57.7	60.8	53.3
TITAN PRO	24GL9	LG27	2.4	R	58.2	32.6	19.5	13.0	1	494	29	60.4	62.3	59.3	50.7
TITAN PRO	25E8	E3	2.5	R	58.1	31.6	20.0	13.0	1	493	30	59.7	57.6	61.6	53.3
CREDENZ	CZ 2550GTLL	LG27	2.5	MR	57.9	32.9	18.9	13.2	1	492	31	60.0	58.3	60.3	53.0
CROPLAN	R2C2200 CK	RR2Y	2.2	R	61.0	33.3	18.9	13.1	1	518	9	59.7	67.9	62.0	54.3

Corey Rozenboom

Averages =	58.9	33.1	19.0	13.1	2	500	60.5	61.5	62.4	51.2
LSD (0.10) =	2.7	0.5	0.3	0.2	2		3.1	3.3	2.2	2.5
LSD (0.25) =	1.4	0.3	0.2	0.1	1		1.6	1.7	1.1	1.3

Corey Rozenboom

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Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.02

Prices: GMO = \$8.50

† 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 - Iowa North [IANO]

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

2019 Soybeans - Iowa North [IANO]

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™
LG27 or G27	LibertyLink® 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