

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

2019 Soybeans Top 30 Harvest Report

Iowa North Central [IANC] IOWA FALLS, IA
Mike Aldinger, Hardin County, IA 50126

Early-Season Test 2.1 - 2.5 Day CRM
S2019IANC03a

Top 30 of 47 For Gross Income
(Sorted by Yield)
Average of (3) Replications

PREV. CROP/HERB: Corn / Callisto Xtra, AMS,
Durango

SOIL DESCRIPTION: Nicollet loam, moderately
drained, non-irrigated

SOIL CONDITION: very high P, high K, 7.1 pH,
5.2% OM, 27.0 CEC

TILLAGE/CULTIVATION: Conventional W/ Fall Till

PEST MANAGEMENT: Authority First, Flexstar Ams
Roundup, Priaxor, Cobalt

Applied N-P-K (units): 0-0-0

SEEDING - RATE - ROW: Jun 4 144.0 /A 30" spacing

HARVESTED - STAND: Oct 18 129.4 /A

TEST COMMENTS:

Planting was pushed back into June, and the delay of corn and soybean planting progress in the area was wide spread. Emergence suffered just a little but final stands were still adequate for high yield potential. Showers remained consistent and abundant through the growing season. This field received 21.9" from planting through October 1, 5.2" over the 30 year average. Plants were short at harvest, but internodes were close and seed size was very good. A few later maturity varieties may have been impacted by frost. Those varieties threshed well but were very slow to dry down.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
CORNELIUS	P3 2023E	E3	2.3	R	65.5	12.1	0	127.0	557	1
ASGROW	AG20X9	RRX	2.0	R	65.2	11.4	0	129.3	554	2
TITAN PRO	23E9	E3	2.3	R	65.2	12.5	0	127.7	554	3
TITAN PRO	22E8	E3	2.2	R	63.8	11.8	0	130.9	542	4
KRUGER	K2X-2573	RRX	2.5	R	63.7	12.4	0	126.8	541	5
CHAMPION	2190EN	E3	2.1	R	63.2	11.7	0	131.6	537	6
TITAN PRO	24GL9	LG27	2.4	R	62.4	12.8	0	130.9	530	7
GENESIS	G2181GL	LG27	2.2	R	62.2	11.7	0	131.7	529	8
HEFTY	H23X0	RRX	2.3	R	62.1	11.6	0	131.7	528	9
HEFTY	H25X0	RRX	2.5	R	61.8	11.7	0	128.0	525	11
CORNELIUS	CB24X64	RRX	2.4	R	61.8	12.5	0	122.3	525	10
GOLDEN HARVEST	GH2230X	RRX	2.2	R	61.5	11.1	0	130.3	523	12
HOEGEMEYER	2540 E	E3	2.5	R	61.1	11.8	0	131.5	519	13
PIONEER	P21A28X GC	RRX	2.1	R	60.8	11.5	0	130.2	517	14
CHAMPION	24X98N	RRX	2.4	R	60.6	12.5	0	127.7	515	15
HEFTY	Z2300E	E3	2.3	R	60.3	11.6	0	130.7	513	17
CHAMPION	21X99N	RRX	2.1	R	60.3	11.3	0	133.2	513	16
LATHAM	L 2178 LLGT27	LG27	2.1	R	60.3	11.5	12	131.0	513	18
GOLDEN HARVEST	GH2041X	RRX	2.0	R	60.1	11.2	0	133.6	511	20
PIONEER	P24A99X §	RRX	2.4	R	59.6	11.6	3	133.5	507	21
NK BRAND	S21-W8X	RRX	2.1	R	59.5	11.3	0	133.1	506	22
RENK	RS250NX	RRX	2.5	R	59.1	12.2	0	130.7	502	27
ARMOR	X25D59	RRX	2.5	MR	59.1	11.5	0	130.0	502	23
RENK	RS248NX	RRX	2.4	R	59.1	12.4	0	130.4	502	26
CORNELIUS	P3 2022B	LG27	2.2	R	59.0	11.6	0	127.0	502	24
LATHAM	L 2429 E3	E3	2.4	R	59.0	11.8	0	131.7	502	25
GENESIS	G2340E	E3	2.3	R	58.8	12.2	0	123.7	500	28
FS HISOY	HS 23X70	RRX	2.3	R	58.7	11.5	0	130.5	499	29
CHAMPION	2220GTL	LG27	2.2	R	58.5	11.4	0	126.0	497	30
GOLDEN HARVEST	GH2552X	RRX	2.5	MR	58.3	12.8	0	129.5	496	31
CROPLAN	R2C2450 CK	RR2Y	2.4	R	60.2	12.0	0	130.9	512	19

Corey Rozenboom

Corey Rozenboom

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Averages = **59.2** **11.9** **0** **129.4** **504**
LSD (0.10) = 3.4 0.4 3
LSD (0.25) = 1.8 0.2 2
C.V. = 5.4

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

Report Date: 10/21/2019

Revised:10/25/2019 (data change, incorrect product removed from early-season test)

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

Iowa North Central [IANC] IOWA FALLS, IA
Mike Aldinger, Hardin County, IA 50126

Full-Season Test 2.6 - 2.9 Day CRM
S2019IANC03b

Top 30 of 48 For Gross Income
(Sorted by Yield)
Average of (3) Replications

PREV. CROP/HERB: Corn / Callisto Xtra, AMS,
Durango

SOIL DESCRIPTION: Nicollet loam, moderately
drained, non-irrigated

SOIL CONDITION: very high P, high K, 7.1 pH,
5.2% OM, 27.0 CEC

TILLAGE/CULTIVATION: Conventional W/ Fall Till

PEST MANAGEMENT: Authority First, Flexstar Ams
Roundup, Priaxor, Cobalt

Applied N-P-K (units): 0-0-0

SEEDING - RATE - ROW: Jun 4 144.0 /A 30" spacing

HARVESTED - STAND: Oct 18 125.8 /A

TEST COMMENTS:

Planting was pushed back into June, and the delay of corn and soybean planting progress in the area was wide spread. Emergence suffered just a little but final stands were still adequate for high yield potential. Showers remained consistent and abundant through the growing season. This field received 21.9" from planting through October 1, 5.2" over the 30 year average. Plants were short at harvest, but internodes were close and seed size was very good. A few later maturity varieties may have been impacted by frost. Those varieties threshed well but were very slow to dry down.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
LATHAM	L 2682R2X	RRX	2.6	R	68.1	14.2	0	130.2	577	1
GOLDEN HARVEST	GH2788X	RRX	2.7	R	66.0	13.2	0	130.7	561	2
HEFTY	Z2700E	E3	2.7	R	65.8	14.2	0	130.0	558	3
CORNELIUS	P3 1928E	E3	2.8	R	65.5	15.4	0	126.5	554	4
ARMOR	28-D68	RRX	2.7	MR	65.1	12.9	0	129.4	553	5
RENK	RS280NX	RRX	2.8	R	64.8	15.8	0	127.7	547	6
NK BRAND	S29-K3X	RRX	2.9	R	64.6	16.4	0	123.5	545	7
LEGEND	LS 29LGT907N	LG27	2.9	R	63.5	17.0	0	131.1	535	9
GENESIS	G2840E	E3	2.7	R	63.1	14.2	0	120.5	535	10
NK BRAND	S27-M8X	RRX	2.7	R	63.0	12.6	0	120.8	536	8
ASGROW	AG26X0	RRX	2.6	R	62.9	13.1	0	129.7	534	11
CREDENZ	CZ 2579GTLL	LG27	2.5	MR	61.7	14.2	12	126.7	523	13
ARMOR	X28E89	E3	2.7	MR	61.2	13.4	0	128.3	520	14
LEGEND	LS 29X052N	RRX	2.9	R	61.2	15.8	0	129.2	517	15
CORNELIUS	CB26E60	E3	2.6	R	60.1	15.5	0	115.8	508	16
CHAMPION	2889EN	E3	2.8	R	59.3	14.9	0	125.2	502	17
CREDENZ	CZ 2830GTLL GC	LG27	2.8	R	59.1	15.4	0	121.8	500	19
TITAN PRO	28GL9	LG27	2.8	R	59.1	14.8	0	124.1	500	20
KRUGER	K2X-2673	RRX	2.6	R	59.1	12.5	0	123.5	502	18
ASGROW	AG27X0	RRX	2.7	R	58.9	14.3	0	126.0	499	21
FS HISOY	HS 29X80	RRX,ST	2.9	R	58.8	15.7	0	124.5	497	22
PIONEER	P25A70R \$	RR	2.5	R	58.5	13.2	0	129.2	497	23
CORNELIUS	CB27X81	RRX	2.7	R	58.0	14.4	0	122.1	491	24
HEFTY	H28X0	RRX	2.8	R	57.8	15.8	0	132.4	488	25
FS HISOY	HS 27X90	RRX	2.7	R	57.6	16.5	0	125.1	486	27
LEGEND	LS 28X840N	RRX	2.8	MR	57.5	13.8	0	125.8	488	26
TITAN PRO	28E8	E3	2.8	R	57.2	14.9	0	119.0	484	28
TITAN PRO	TP-28X47	RRX	2.8	R	57.2	15.1	0	124.1	484	29
LATHAM	L 2887R2X	RRX	2.8	R	56.9	14.1	0	127.8	482	30
LEGEND	LS 25X924N	RRX	2.5	MR	56.6	13.4	0	124.2	481	31
CROPLAN	R2C2450 CK	RR2Y	2.4	R	61.8	11.9	0	128.0	525	12

Corey Rozenboom

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Averages = **58.5** **14.8** **1** **125.8** **495**
LSD (0.10) = 3.5 1.4 7
LSD (0.25) = 1.8 0.7 3
C.V. = 5.7

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

Report Date: 10/21/2019

Revised:10/25/2019 (data change, incorrect product removed from early-season test)

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2019 Soybeans - Iowa North Central [IANC]

Early-Season Test Products (47 Total)

Company/Brand	Product/Brand	Technology	SCN	RM
ARMOR	X21E99	E3	MR	2.1
ARMOR	X23E09	E3	MR	2.3
ARMOR	X25D59	RRX	MR	2.5
ASGROW	AG20X9	RRX	R	2.0
CHAMPION	2190EN	E3	R	2.1
CHAMPION	21X99N	RRX	R	2.1
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
CREDENZ	CZ 2040GTLL	LG27	R	2.0
CREDENZ	CZ 2360GTLL	LG27	MR	2.3
CREDENZ	CZ 2550GTLL	LG27	MR	2.5
CROPLAN	R2C2450 CK	RR2Y	R	2.4
FS HISOY	HS 21X90	RRX	R	2.1
FS HISOY	HS 22X90	RRX	R	2.2
FS HISOY	HS 23X70	RRX	R	2.3
FS HISOY	HS 24X80	RRX	R	2.4
GENESIS	G2181GL	LG27	R	2.2
GENESIS	G2340E	E3	R	2.3
GOLDEN HARVEST	GH2041X	RRX	R	2.0
GOLDEN HARVEST	GH2230X	RRX	R	2.2
GOLDEN HARVEST	GH2552X	RRX	MR	2.5
HEFTY	H23X0	RRX	R	2.3
HEFTY	H25E0	E3	R	2.5
HEFTY	H25X0	RRX	R	2.5
HEFTY	Z2300E	E3	R	2.3
HOEGEMEYER	2202 NX	RRX	R	2.2
HOEGEMEYER	2540 E	E3	R	2.5
KRUGER	K2X-2172	RRX	R	2.1
KRUGER	K2X-2283	RRX	R	2.2
KRUGER	K2X-2573	RRX	R	2.5
LATHAM	L 2178 LLGT27	LG27	R	2.1
LATHAM	L 2429 E3	E3	R	2.4
LATHAM	L 2482R2	RR2Y	R	2.4

Company/Brand	Brand/Product	Technology	RM	SCN
NK BRAND	S21-W8X	RRX	R	2.1
NK BRAND	S25-V8X	RRX	MR	2.5
PIONEER	P21A28X GC	RRX	R	2.1
PIONEER	P24A99X §	RRX	R	2.4
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	TP-24X87	RRX	R	2.4

2019 Soybeans - Iowa North Central [IANC]

Full-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	SCN	RM
ARMOR	28-D68	RRX	MR	2.7
ARMOR	X28E89	E3	MR	2.7
ASGROW	AG26X0	RRX	R	2.6
ASGROW	AG27X0	RRX	R	2.7
ASGROW	AG29X9	RRX	R	2.9
CHAMPION	27X90N	RRX	R	2.7
CHAMPION	2820GTLL	LG27	R	2.8
CHAMPION	2889EN	E3	R	2.8
CHAMPION	28X78N	RRX	R	2.8
CORNELIUS	CB26E60	E3	R	2.6
CORNELIUS	CB26X78	RRX	R	2.6
CORNELIUS	CB27X81	RRX	R	2.7
CORNELIUS	P3 1928E	E3	R	2.8
CREDENZ	CZ 2579GTLL	LG27	MR	2.5
CREDENZ	CZ 2830GTLL GC	LG27	R	2.8
CREDENZ	CZ 2889GTLL	LG27	MR	2.8
CROPLAN	R2C2450 CK	RR2Y	R	2.4
FS HISOY	HS 26X90	RRX	R	2.6
FS HISOY	HS 27X90	RRX	R	2.7
FS HISOY	HS 28X70	RRX	R	2.8
FS HISOY	HS 29X80	RRX,ST	R	2.9
GENESIS	G2840E	E3	R	2.7
GOLDEN HARVEST	GH2788X	RRX	R	2.7
GOLDEN HARVEST	GH2981X	RRX	R	2.9
HEFTY	H28X0	RRX	R	2.8
HEFTY	Z2700E	E3	R	2.7
HEFTY	Z2900E	E3	R	2.9
KRUGER	K2X-2652	RRX	R	2.6
KRUGER	K2X-2673	RRX	R	2.6
KRUGER	K2X-2863	RRX	R	2.8
KRUGER	K2X-2971	RRX	R	2.9
LATHAM	L 2682R2X	RRX	R	2.6
LATHAM	L 2839 LLGT27	LG27	R	2.8
LATHAM	L 2887R2X	RRX	R	2.8
LATHAM	L 2949 E3	E3	R	2.9
LEGEND	LS 25X924N	RRX	MR	2.5

Company/Brand	Brand/Product	Technology	RM	SCN
LEGEND	LS 28X840N	RRX	MR	2.8
LEGEND	LS 29LGT907N	LG27	R	2.9
LEGEND	LS 29X052N	RRX	R	2.9
NK BRAND	S27-M8X	RRX	R	2.7
NK BRAND	S29-K3X	RRX	R	2.9
PIONEER	P25A70R §	RR	R	2.5
PIONEER	P27A17X §	RRX	R	2.7
RENK	RS280NX	RRX	R	2.8
STINE	27EA23	E3	R	2.7
TITAN PRO	28E8	E3	R	2.8
TITAN PRO	28GL9	LG27	R	2.8
TITAN PRO	TP-28X47	RRX	R	2.8

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
