

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

2019 Soybeans Top 30 Harvest Report

Iowa Northwest [IANW] BOYDEN, IA
Jason Diekevers, Sioux County, IA 51234

Early-Season Test	2.1 - 2.4 Day CRM S2019IANW01a
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Sure Start 2, Roundup, Calisto.
SOIL DESCRIPTION:	Sac-Primghar silty clay loam, moderately drained, non-irrigated
SOIL CONDITION:	very high P, high K, 6.5 pH, 4.7% OM, 26.5 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Pre-Emerge Sonic. Pot-Emerge Avalanche, Roundup, Zidua, Select.
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 6 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 19 128.2 /A

TEST COMMENTS:

After waiting for 5.8" of rain from May to dry off and corn fields to get planted, several bean fields in the area were planted the first week of June. July provided another 5.3" to developing root systems that sat in saturated soils for extended periods. Plant stands were around 90% of planted population and flowered well. Excellent soil fertility and drainage allowed this crop to make the most of an abbreviated season. Soybean yields in the upper 50's to low 60's seems to be pretty common in this part of northwest Iowa.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS HISOY	HS 24X80	RRX	2.4	R	69.0	10.7	1	124.7	586	1
NK BRAND	S21-W8X §	RRX	2.1	R	66.3	10.2	1	130.7	564	2
CHAMPION	24X98N	RRX	2.4	R	66.0	12.2	1	129.2	561	3
TITAN PRO	TP-24X87	RRX	2.4	R	65.6	12.2	1	125.3	558	5
HOEGEMEYER	1910 E	E3	1.9	R	65.6	10.8	6	124.0	558	4
GOLDEN HARVEST	GH1915X §	RRX	1.9	R	64.9	10.3	1	128.7	552	6
HEFTY	H23X0	RRX	2.3	R	64.9	11.0	1	129.5	552	7
ASGROW	AG20X9 §	RRX	2.0	R	64.6	10.8	1	131.6	549	8
FS HISOY	HS 21X90	RRX	2.1	R	64.5	10.8	1	123.1	548	9
GOLDEN HARVEST	GH2230X	RRX	2.2	R	64.2	10.2	1	128.4	546	10
LATHAM	L2295R2X	RRX	2.2	R	64.2	10.5	4	133.1	546	11
LEGEND	LS 201E964N	E3	2.1	R	64.1	11.2	1	130.4	545	12
CREDENZ	CZ 2360GTLL	LG27	2.3	MR	63.9	10.5	1	132.9	543	13
PIONEER	P24A99X §	RRX	2.4	R	63.7	10.7	1	123.3	541	15
PIONEER	P21A28X §	RRX	2.1	R	63.6	10.4	1	132.0	541	14
LATHAM	L 2395 LLGT27	LG27	2.3	R	63.5	10.6	1	129.9	540	17
HEFTY	Z2301E	E3	2.3	R	63.5	11.1	1	132.1	540	16
HEFTY	Z2400E	E3	2.4	R	63.0	10.7	1	128.0	536	18
HOEGEMEYER	2202 NX	RRX	2.2	R	62.8	11.4	1	126.3	534	19
HEFTY	H24X8	RRX	2.4	MR	62.5	12.2	4	128.5	531	20
CHAMPION	2220GTLL	LG27	2.2	R	62.3	10.9	1	126.3	530	21
KRUGER	K2X-2283	RRX	2.2	R	61.8	12.4	4	125.3	525	22
LEGEND	LS 20X963N	RRX	2.0	MR	61.5	10.2	1	127.5	523	23
CHAMPION	2370EN	E3	2.3	R	60.9	10.9	1	131.9	518	24
KRUGER	K2X-2172	RRX	2.1	R	60.6	10.9	1	123.0	515	25
LATHAM	L2368R2X	RRX	2.3	R	60.4	11.0	1	129.4	513	26
CREDENZ	CZ 2040GTLL	LG27	2.0	R	60.2	11.0	1	127.7	512	27
TITAN PRO	22E8	E3	2.2	R	60.1	10.8	1	126.2	511	29
LATHAM	L 2429 E3	E3	2.4	R	59.9	11.1	1	130.2	509	30
CHAMPION	21X99N	RRX	2.1	R	59.5	10.2	1	128.0	506	31
CROPLAN	R2C2450 CK	RR2Y	2.4	R	60.1	10.5	1	127.0	511	28

Corey Rozenboom

Corey Rozenboom

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Averages =	62.2	10.9	2	128.2	529
LSD (0.10) =	2.2	0.4	3		
LSD (0.25) =	1.1	0.2	2		
C.V. =	3.3				

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 full-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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Top 30 of 41	For Gross Income (Sorted by Yield) Average of (3) Replications
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SOIL DESCRIPTION:	Sac-Primghar silty clay loam, moderately drained, non-irrigated
SOIL CONDITION:	very high P, high K, 6.5 pH, 4.7% OM, 26.5 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Pre-Emerge Sonic. Pot-Emerge Avalanche, Roundup, Zidua, Select.
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 6 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 19 129.5 /A

TEST COMMENTS:

After waiting for 5.8" of rain from May to dry off and corn fields to get planted, several bean fields in the area were planted the first week of June. July provided another 5.3" to developing root systems that sat in saturated soils for extended periods. Plant stands were around 90% of planted population and flowered well. Excellent soil fertility and drainage allowed this crop to make the most of an abbreviated season. Soybean yields in the upper 50's to low 60's seems to be pretty common in this part of northwest Iowa.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
KRUGER	K2X-2673	RRX	2.6	R	69.4	11.4	1	130.4	590	1
STINE	27EA23	E3	2.7	R	69.2	13.1	1	127.3	588	2
LATHAM	L 2839 LLGT27	LG27	2.8	R	68.7	13.8	1	128.8	583	4
AGRIGOLD	G2505RX GC	RRX	2.5	R	68.7	11.5	1	129.2	584	3
CREDENZ	CZ 2830GTLL	LG27	2.8	R	68.4	13.9	1	128.2	580	5
LATHAM	L 2549R2X	RRX	2.5	R	66.8	11.3	1	130.2	568	6
HOEGEMEYER	2540 E	E3	2.5	R	65.9	11.1	1	129.0	560	7
NK BRAND	S27-M8X	RRX	2.7	R	65.6	12.2	1	126.0	558	8
CHAMPION	2889EN	E3	2.8	R	65.0	12.9	1	129.5	552	11
HEFTY	Z2700E	E3	2.7	R	65.0	12.7	1	131.2	552	12
CHAMPION	25X70N	RRX	2.5	R	64.9	11.8	1	126.3	552	10
ASGROW	AG27X0	RRX	2.7	R	64.9	12.3	1	129.0	552	9
HOEGEMEYER	2781 NX	RRX	2.7	R	64.8	14.4	4	132.4	549	15
PIONEER	P25A70R GC	RR	2.5	R	64.8	12.7	1	133.1	551	13
FS HISOY	HS 25X70	RRX	2.5	R	64.7	12.2	1	131.9	550	14
FS HISOY	HS 27X90	RRX	2.7	R	64.1	15.1	1	128.5	542	16
GOLDEN HARVEST	GH2788X	RRX	2.7	R	63.8	11.3	1	131.0	542	17
LATHAM	L 2578 LLGT27	LG27	2.5	R	63.6	11.5	1	134.7	541	18
CHAMPION	27X90N	RRX	2.7	R	63.5	16.6	1	132.0	535	24
KRUGER	K2X-2652	RRX	2.6	R	63.4	12.5	1	129.2	539	19
PIONEER	P27A17X §	RRX	2.7	R	63.2	11.8	1	130.4	537	20
TITAN PRO	28E8	E3	2.8	R	63.2	13.4	1	129.0	537	21
TITAN PRO	28GL9	LG27	2.8	R	63.1	13.6	1	131.0	536	23
CHAMPION	2820GTLL	LG27	2.8	R	63.0	12.6	1	132.9	536	22
HEFTY	H25X0	RRX	2.5	R	62.6	12.2	1	129.0	532	25
ASGROW	AG26X0	RRX	2.6	R	62.2	11.1	1	130.4	529	26
BECKS	2559X2	RRX	2.5	R	61.0	13.7	1	129.2	518	29
GOLDEN HARVEST	GH2552X	RRX	2.5	MR	60.9	13.4	9	131.2	517	30
ASGROW	AG25X0	RRX	2.5	R	60.9	11.0	1	123.3	518	28
FS HISOY	HS 28X70	RRX	2.8	R	60.1	13.2	1	127.9	511	31
CROPLAN	R2C2450 CK	RR2Y	2.4	R	61.6	10.8	1	128.5	524	27

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Averages =	62.8	12.7	2	129.5	534
LSD (0.10) =	2.6	0.7	4		
LSD (0.25) =	1.4	0.4	2		
C.V. =	4.0				

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 full-season test)

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2019 Soybeans - Iowa Northwest [IANW]

Early-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	SCN	RM
ASGROW	AG20X9 §	RRX	R	2.0
CHAMPION	21X99N	RRX	R	2.1
CHAMPION	2220GTLL	LG27	R	2.2
CHAMPION	2370EN	E3	R	2.3
CHAMPION	24X98N	RRX	R	2.4
CREDENZ	CZ 2040GTLL	LG27	R	2.0
CREDENZ	CZ 2360GTLL	LG27	MR	2.3
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
GOLDEN HARVEST	GH1915X §	RRX	R	1.9
GOLDEN HARVEST	GH2230X	RRX	R	2.2
HEFTY	H23X0	RRX	R	2.3
HEFTY	H24X8	RRX	MR	2.4
HEFTY	Z2301E	E3	R	2.3
HEFTY	Z2400E	E3	R	2.4
HOEGEMEYER	1910 E	E3	R	1.9
HOEGEMEYER	2202 NX	RRX	R	2.2
KRUGER	K2X-2172	RRX	R	2.1
KRUGER	K2X-2283	RRX	R	2.2
LATHAM	L2295R2X	RRX	R	2.2
LATHAM	L2368R2X	RRX	R	2.3
LATHAM	L 2395 LLGT27	LG27	R	2.3
LATHAM	L 2429 E3	E3	R	2.4
LEGEND	LS 201E964N	E3	R	2.1
LEGEND	LS 20X963N	RRX	MR	2.0
NK BRAND	S18-G4X §	RRX	R	1.8
NK BRAND	S21-W8X §	RRX	R	2.1
PIONEER	P21A28X §	RRX	R	2.1
PIONEER	P24A99X §	RRX	R	2.4
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 Northwest [IANW]

Full-Season Test Products (41 Total)

Company/Brand	Product/Brand	Technology	SCN	RM
AGRIGOLD	G2505RX GC	RRX	R	2.5
ASGROW	AG25X0	RRX	R	2.5
ASGROW	AG26X0	RRX	R	2.6
ASGROW	AG27X0	RRX	R	2.7
BECKS	2559X2	RRX	R	2.5
CHAMPION	25X70N	RRX	R	2.5
CHAMPION	27X90N	RRX	R	2.7
CHAMPION	2820GTLL	LG27	R	2.8
CHAMPION	2889EN	E3	R	2.8
CREDENZ	CZ 2579GTLL	LG27	MR	2.5
CREDENZ	CZ 2830GTLL	LG27	R	2.8
CREDENZ	CZ 2889GTLL	LG27	MR	2.8
CROPLAN	R2C2450 CK	RR2Y	R	2.4
FS HISOY	HS 25X70	RRX	R	2.5
FS HISOY	HS 26X90	RRX	R	2.6
FS HISOY	HS 27X90	RRX	R	2.7
FS HISOY	HS 28X70	RRX	R	2.8
GOLDEN HARVEST	GH2552X	RRX	MR	2.5
GOLDEN HARVEST	GH2788X	RRX	R	2.7
HEFTY	H25E0	E3	R	2.5
HEFTY	H25X0	RRX	R	2.5
HEFTY	Z2700E	E3	R	2.7
HOEGEMEYER	2540 E	E3	R	2.5
HOEGEMEYER	2781 NX	RRX	R	2.7
KRUGER	K2X-2573	RRX	R	2.5
KRUGER	K2X-2652	RRX	R	2.6
KRUGER	K2X-2673	RRX	R	2.6
KRUGER	K2X-2863	RRX	R	2.8
LATHAM	L 2549R2X	RRX	R	2.5
LATHAM	L 2578 LLGT27	LG27	R	2.5
LATHAM	L 2839 LLGT27	LG27	R	2.8
NK BRAND	S25-V8X	RRX	MR	2.5
NK BRAND	S27-M8X	RRX	R	2.7
PIONEER	P25A70R GC	RR	R	2.5
PIONEER	P27A17X §	RRX	R	2.7
PIONEER	P27T59R GC	RR	R	2.7

Company/Brand	Brand/Product	Technology	RM	SCN
STINE	27EA23	E3	R	2.7
TITAN PRO	25E8	E3	R	2.5
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
