

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

2019 Soybeans Top 30 Harvest Report

Iowa Northwest [IANW] HARTLEY, IA
Clint Van Beek, O'Brien County, IA 51346

Early-Season Test	2.1 - 2.4 Day CRM S2019IANW02a
Top 30 of 36	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Resicore
SOIL DESCRIPTION:	Galva silty clay loam, well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 6.5 pH, 4.9% OM, 26.5 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Zidua Pro, Flexstar, Roundup, Leverage 360
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 4 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 15 127.9 /A

TEST COMMENTS:

Wet spring weather pushed back soybean planting in this area several weeks beyond normal planting dates. Once in the ground, weather patterns were seasonal. This site is very high in fertility which produced tall plants and created an environment favoring white mold. There were noticeable differences in plant heights and white mold severity among varieties. Differences in lodging were also noted.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NK BRAND	S21-W8X §	RRX	2.1	R	63.9	13.0	1	134.1	543	1
GOLDEN HARVEST	GH1915X §	RRX	1.9	R	63.1	13.1	1	127.9	536	2
PIONEER	P24A99X §	RRX	2.4	R	62.4	13.6	14	130.5	530	3
ASGROW	AG20X9 §	RRX	2.0	R	61.0	13.3	1	130.2	518	4
PIONEER	P21A28X §	RRX	2.1	R	60.9	13.0	1	130.2	518	5
LATHAM	L 2395 LLGT27	LG27	2.3	R	60.5	13.8	1	129.7	513	6
CHAMPION	2220GTLL	LG27	2.2	R	60.1	13.8	18	125.7	510	7
HEFTY	H23X0	RRX	2.3	R	59.7	13.6	1	129.3	507	8
LATHAM	L2295R2X	RRX	2.2	R	59.7	13.2	20	130.4	507	9
KRUGER	K2X-2283	RRX	2.2	R	59.6	13.9	1	122.1	506	10
LEGEND	LS 20X963N	RRX	2.0	MR	59.0	13.3	1	130.4	501	12
CREDENZ	CZ 2040GTLL	LG27	2.0	R	58.6	13.0	1	130.2	498	13
CREDENZ	CZ 2360GTLL	LG27	2.3	MR	58.3	13.6	1	123.5	495	14
GOLDEN HARVEST	GH2230X	RRX	2.2	R	57.6	13.2	9	128.2	489	15
FS HISOY	HS 21X90	RRX	2.1	R	57.2	13.4	1	121.5	486	16
HEFTY	H24X8	RRX	2.4	MR	57.1	13.9	9	130.7	484	17
CHAMPION	21X99N	RRX	2.1	R	56.9	13.4	1	127.5	483	18
HOEGEMEYER	1910 E	E3	1.9	R	55.6	13.5	6	125.8	472	19
LEGEND	LS 201E964N	E3	2.1	R	55.5	13.5	1	126.8	471	20
FS HISOY	HS 24X80	RRX	2.4	R	54.8	13.8	1	129.0	465	21
TITAN PRO	22E8	E3	2.2	R	54.8	13.4	1	126.3	465	23
KRUGER	K2X-2172	RRX	2.1	R	54.7	13.4	30	123.5	465	22
HOEGEMEYER	2202 NX	RRX	2.2	R	53.9	14.2	1	125.5	457	24
FS HISOY	HS 23X70	RRX	2.3	R	53.8	14.3	1	126.2	456	25
TITAN PRO	24GL9	LG27	2.4	R	53.7	13.7	1	126.3	456	26
TITAN PRO	TP-24X87	RRX	2.4	R	53.4	13.9	24	128.5	453	27
LATHAM	L2368R2X	RRX	2.3	R	53.0	13.8	1	127.5	450	28
CHAMPION	24X98N	RRX	2.4	R	50.8	13.9	10	131.6	431	29
HEFTY	Z2301E	E3	2.3	R	50.3	14.1	17	126.3	426	30
NK BRAND	S18-G4X §	RRX	1.8	R	47.5	13.5	26	127.3	403	31
CROPLAN	R2C2450 CK	RR2Y	2.4	R	59.0	13.4	1	125.0	501	11

Corey Rozenboom

Corey Rozenboom

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Averages =	55.1	13.6	7	127.9	468
LSD (0.10) =	4.7	0.3	12		
LSD (0.25) =	2.5	0.2	6		
C.V. =	8.1				

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	2.5 - 2.8 Day CRM S2019IANW02b
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Resicore
SOIL DESCRIPTION:	Galva silty clay loam, well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 6.5 pH, 4.9% OM, 26.5 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Zidua Pro, Flexstar, Roundup, Leverage 360
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 4 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 15 126.1 /A

TEST COMMENTS:

Wet spring weather pushed back soybean planting in this area several weeks beyond normal planting dates. Once in the ground, weather patterns were seasonal. This site is very high in fertility which produced tall plants and created an environment favoring white mold. There were noticeable differences in plant heights and white mold severity among varieties. Differences in lodging were also noted.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
HEFTY	H25X0	RRX	2.5	R	61.9	14.9	1	124.8	524	1
PIONEER	P27A17X §	RRX	2.7	R	60.6	15.0	1	127.0	513	2
CHAMPION	25X70N	RRX	2.5	R	59.9	14.6	1	126.8	507	3
PIONEER	P25A70R GC	RR	2.5	R	59.9	14.9	1	129.0	507	5
KRUGER	K2X-2673	RRX	2.6	R	59.3	15.0	1	126.0	502	6
LATHAM	L 2549R2X	RRX	2.5	R	59.1	13.8	1	127.5	501	7
FS HISOY	HS 27X90	RRX	2.7	R	59.0	15.0	6	123.0	499	8
CHAMPION	27X90N	RRX	2.7	R	58.6	15.0	13	124.0	496	9
KRUGER	K2X-2863	RRX	2.8	R	58.3	15.3	1	122.5	493	10
LATHAM	L 2597 E3	E3	2.5	R	57.5	13.9	22	132.5	488	11
ASGROW	AG27X0	RRX	2.7	R	57.0	15.2	1	125.1	482	12
TITAN PRO	TP-28X47	RRX	2.8	R	56.5	15.5	1	120.3	477	13
AGRIGOLD	G2505RX GC	RRX	2.5	R	56.1	14.9	1	123.1	475	14
KRUGER	K2X-2652	RRX	2.6	R	55.9	15.0	35	126.3	473	15
ASGROW	AG26X0	RRX	2.6	R	55.7	14.6	1	128.0	472	16
FS HISOY	HS 28X70	RRX	2.8	R	55.7	15.4	1	124.3	471	17
LATHAM	L 2578 LLGT27	LG27	2.5	R	55.2	14.5	6	129.4	468	18
HOEGEMEYER	2540 E	E3	2.5	R	55.0	14.9	6	127.5	465	19
TITAN PRO	28GL9	LG27	2.8	R	54.9	15.3	1	129.0	464	21
HOEGEMEYER	2781 NX	RRX	2.7	R	54.8	15.0	22	127.3	464	20
GOLDEN HARVEST	GH2788X	RRX	2.7	R	54.5	14.9	1	122.3	461	22
FS HISOY	HS 26X90	RRX	2.6	R	54.4	15.0	25	128.7	460	23
TITAN PRO	28E8	E3	2.8	R	54.1	15.2	2	125.3	457	24
KRUGER	K2X-2573	RRX	2.5	R	53.9	14.6	4	127.8	456	26
HEFTY	Z2700E	E3	2.7	R	53.9	14.8	1	129.4	456	25
BECKS	2559X2	RRX	2.5	R	53.8	15.2	1	127.0	455	27
CHAMPION	2820GTLL	LG27	2.8	R	53.8	15.2	1	126.8	455	28
HEFTY	H25E0	E3	2.5	R	53.4	15.5	1	126.3	451	30
ASGROW	AG25X0	RRX	2.5	R	53.3	14.8	1	120.5	451	29
FS HISOY	HS 25X70	RRX	2.5	R	52.9	14.9	1	122.0	448	31
CROPLAN	R2C2450 CK	RR2Y	2.4	R	59.7	13.5	1	129.5	507	4

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Averages =	55.0	14.9	5	126.1	466
LSD (0.10) =	4.3	0.4	10		
LSD (0.25) =	2.3	0.2	5		
C.V. =	7.5				

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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† 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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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

Full-Season Test Products (42 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 2597 E3	E3	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

Company/Brand	Brand/Product	Technology	RM	SCN
PIONEER	P27T59R GC	RR	R	2.7
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
