

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

## 2019 Soybeans Top 30 Harvest Report

Iowa Northwest [IANW] GALVA, IA  
Tom Andresen, Ida County, IA 51025

<b>Early-Season Test</b>	2.1 - 2.4 Day CRM S2019IANW03a
<b>Top 30 of 36</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Surpass + Atrazine, Impact
<b>SOIL DESCRIPTION:</b>	Galva silty clay loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, high K, 5.9 pH, 4.1% OM, 22.4 CEC
<b>TILLAGE/CULTIVATION:</b>	No-Till
<b>PEST MANAGEMENT:</b>	Prowl + Authority Mtz, Pursuit
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	Jun 4 144.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 28 121.6 /A

### TEST COMMENTS:

Many soybean fields were planted in June this season due to delayed corn planting that used up the narrow planting windows available in May. There was plenty of moisture in the soil profile in June to allow for good stands, but the compressed growing season for late planted beans also experienced below average rainfall until September as well as cooler than average temperatures. Stress wasn't obviously noticeable and plants were relatively healthy, however, reduced vegetative growth prior to flowering did reduce overall yield potential.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
HEFTY	Z2301E	E3	2.3	R	<b>65.8</b>	13.3	1	131.7	559	1
FS HISOY	HS 24X80	RRX	2.4	R	<b>65.1</b>	13.2	1	124.5	553	2
FS HISOY	HS 21X90	RRX	2.1	R	<b>64.7</b>	13.2	1	116.4	550	3
PIONEER	P24A99X §	RRX	2.4	R	<b>63.8</b>	13.2	1	120.1	542	4
CHAMPION	2370EN	E3	2.3	R	<b>63.5</b>	13.3	1	124.7	539	5
HOEGEMEYER	2202 NX	RRX	2.2	R	<b>63.3</b>	13.2	4	125.0	538	6
LEGEND	LS 201E964N	E3	2.1	R	<b>63.0</b>	13.2	1	120.1	535	7
LATHAM	L2295R2X	RRX	2.2	R	<b>63.0</b>	13.2	1	126.3	535	8
HEFTY	H23X0	RRX	2.3	R	<b>62.6</b>	13.1	1	118.8	532	9
TITAN PRO	22E8	E3	2.2	R	<b>62.3</b>	13.2	1	121.0	529	10
CHAMPION	2220GTLL	LG27	2.2	R	61.7	13.1	28	122.0	524	11
GOLDEN HARVEST	GH1915X §	RRX	1.9	R	61.6	13.1	1	115.4	523	12
LATHAM	L 2395 LLGT27	LG27	2.3	R	61.3	13.2	1	127.7	521	13
TITAN PRO	24GL9	LG27	2.4	R	61.1	13.1	1	123.0	519	14
NK BRAND	S21-W8X §	RRX	2.1	R	61.1	13.1	1	123.3	519	15
GOLDEN HARVEST	GH2230X	RRX	2.2	R	60.8	13.1	1	112.9	517	16
CHAMPION	24X98N	RRX	2.4	R	60.3	13.3	1	123.8	512	17
CREDENZ	CZ 2360GTLL	LG27	2.3	MR	59.9	13.1	1	122.5	509	18
KRUGER	K2X-2283	RRX	2.2	R	59.8	13.1	1	111.1	508	19
TITAN PRO	23E9	E3	2.3	R	59.7	13.3	1	123.8	507	20
ASGROW	AG20X9 §	RRX	2.0	R	59.0	13.1	1	114.2	501	21
HEFTY	H24X8	RRX	2.4	MR	58.6	13.3	1	124.0	498	22
LATHAM	L2368R2X	RRX	2.3	R	58.5	13.2	1	120.0	497	23
LATHAM	L 2429 E3	E3	2.4	R	58.5	13.3	1	125.0	497	24
CREDENZ	CZ 2040GTLL	LG27	2.0	R	57.3	13.1	1	128.0	487	26
TITAN PRO	TP-24X87	RRX	2.4	R	57.2	13.4	1	122.1	486	27
PIONEER	P21A28X §	RRX	2.1	R	56.8	13.2	1	122.1	483	28
HOEGEMEYER	1910 E	E3	1.9	R	56.3	13.3	6	121.8	478	29
HEFTY	Z2400E	E3	2.4	R	56.3	13.2	1	122.5	478	30
FS HISOY	HS 23X70	RRX	2.3	R	56.0	13.1	1	121.3	476	31
CROPLAN	R2C2450 CK	RR2Y	2.4	R	58.0	13.0	1	124.7	493	25

*Corey Rozenboom*

Corey Rozenboom

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Averages =	<b>59.6</b>	<b>13.2</b>	<b>3</b>	<b>121.6</b>	<b>507</b>
LSD (0.10) =	2.5	0.1	10		
LSD (0.25) =	1.3	0.1	5		
C.V. =	3.9				

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

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## 2019 Soybeans Top 30 Harvest Report

Iowa Northwest [IANW] GALVA, IA  
Tom Andresen, Ida County, IA 51025

<b>Full-Season Test</b>	2.5 - 2.8 Day CRM S2019IANW03b
<b>Top 30 of 41</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Surpass + Atrazine, Impact
<b>SOIL DESCRIPTION:</b>	Galva silty clay loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, high K, 5.9 pH, 4.1% OM, 22.4 CEC
<b>TILLAGE/CULTIVATION:</b>	No-Till
<b>PEST MANAGEMENT:</b>	Prowl + Authority Mtz, Pursuit
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	Jun 4 144.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 28 120.0 /A

### TEST COMMENTS:

Many soybean fields were planted in June this season due to delayed corn planting that used up the narrow planting windows available in May. There was plenty of moisture in the soil profile in June to allow for good stands, but the compressed growing season for late planted beans also experienced below average rainfall until September as well as cooler than average temperatures. Stress wasn't obviously noticeable and plants were relatively healthy, however, reduced vegetative growth prior to flowering did reduce overall yield potential.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
TITAN PRO	28E8	E3	2.8	R	<b>65.6</b>	13.1	1	121.1	558	1
PIONEER	P27A17X §	RRX	2.7	R	<b>65.1</b>	13.3	1	123.6	553	2
TITAN PRO	28GL9	LG27	2.8	R	<b>65.0</b>	13.2	1	121.8	552	3
AGRIGOLD	G2505RX GC	RRX	2.5	R	<b>64.9</b>	13.1	1	122.3	552	4
PIONEER	P27T59R GC	RR	2.7	R	<b>64.6</b>	13.1	1	128.7	549	5
CREDENZ	CZ 2830GTLL	LG27	2.8	R	<b>64.3</b>	13.1	1	123.5	546	6
HEFTY	H25X0	RRX	2.5	R	<b>64.2</b>	13.1	1	127.8	546	7
LATHAM	L 2549R2X	RRX	2.5	R	<b>63.6</b>	13.2	1	126.1	540	8
HEFTY	Z2700E	E3	2.7	R	<b>63.2</b>	13.1	1	120.1	537	9
KRUGER	K2X-2673	RRX	2.6	R	<b>63.1</b>	13.2	1	118.0	536	10
ASGROW	AG26X0	RRX	2.6	R	62.3	13.2	1	128.9	529	11
FS HISOY	HS 27X90	RRX	2.7	R	62.2	13.3	1	118.6	528	12
PIONEER	P25A70R GC	RR	2.5	R	62.2	13.2	1	123.0	528	13
HOEGEMEYER	2540 E	E3	2.5	R	62.1	13.2	1	122.3	528	14
STINE	27EA23	E3	2.7	R	62.1	13.2	1	116.1	528	15
HOEGEMEYER	2781 NX	RRX	2.7	R	62.1	13.2	1	122.5	528	16
CHAMPION	2820GTLL	LG27	2.8	R	61.6	13.2	1	120.8	523	17
FS HISOY	HS 28X70	RRX	2.8	R	61.2	13.1	1	118.1	520	18
BECKS	2559X2	RRX	2.5	R	61.1	13.1	1	118.3	519	19
CHAMPION	27X90N	RRX	2.7	R	61.0	13.2	1	123.5	518	20
KRUGER	K2X-2573	RRX	2.5	R	60.9	13.0	1	116.3	518	21
ASGROW	AG25X0	RRX	2.5	R	60.8	13.2	1	118.5	517	22
KRUGER	K2X-2652	RRX	2.6	R	60.7	13.2	1	117.3	516	23
CHAMPION	25X70N	RRX	2.5	R	60.3	13.1	1	120.6	512	24
FS HISOY	HS 25X70	RRX	2.5	R	60.2	13.1	1	110.2	512	25
TITAN PRO	TP-28X47	RRX	2.8	R	59.7	13.1	1	118.8	507	26
LATHAM	L 2839 LLGT27	LG27	2.8	R	59.5	13.2	1	118.9	505	27
LATHAM	L 2578 LLGT27	LG27	2.5	R	59.3	13.2	1	122.3	504	28
ASGROW	AG27X0	RRX	2.7	R	58.6	13.0	1	122.7	498	30
CHAMPION	2889EN	E3	2.8	R	58.4	13.2	1	120.8	496	31
CROPLAN	R2C2450 CK	RR2Y	2.4	R	59.1	13.0	4	123.8	502	29

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Averages =	<b>60.4</b>	<b>13.1</b>	<b>1</b>	<b>120.0</b>	<b>513</b>
LSD (0.10) =	2.0	ns	ns		
LSD (0.25) =	1.0	ns	ns		
C.V. =	3.1				

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

## 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	L 2395 LLGT27	LG27	R	2.3
LATHAM	L 2429 E3	E3	R	2.4
LATHAM	L2295R2X	RRX	R	2.2
LATHAM	L2368R2X	RRX	R	2.3
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

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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

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S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

### Soybeans Technologies\*

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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

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