

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

## 2020 Soybeans Top 30 Harvest Report

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

<b>Early-Season Test</b>	1.9 - 2.4 Day CRM S2020IANW02a
<b>Top 30 of 42</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Resicore, Roundup
<b>SOIL DESCRIPTION:</b>	Sac silty clay loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	medium P, medium K, 6.9 pH, 3.9% OM, 20.5 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Authority Supreme, Warrant Ultra, Section 3, Roundup, Priaxor, Baythroid XI, Ppz 41.8 Select
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 4 144.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Sep 29 129.6 /A

### TEST COMMENTS:

*Soybean yields in northwest Iowa are all over the board this season due largely to rain showers that were very hit or miss. Areas that received key rains seem to be producing well, and those that missed the August rainfall struggled. This site was right on track until July when drought conditions began to take a toll. The season from 5/1 to 9/15 ended 5.8" below the 30-yr average. Evidence of some dicamba damage to the E3 an LG27 varieties was apparent earlier in the season and should be considered when evaluating performance of those varieties at this site.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
CREDENZ	CZ 2360GTLL	GT27	2.3	MR	<b>59.4</b>	12.8	0	128.3	561	1
FS HISOY	HS 24X80	RRX	2.4	R	<b>58.0</b>	12.0	0	128.0	548	2
GOLDEN HARVEST	GH2329X	RRX	2.3	MR	<b>55.3</b>	12.6	0	130.3	523	3
NK BRAND	S23-G5X	RRX	2.3	MR	<b>53.6</b>	12.5	0	130.7	507	4
NK BRAND	S21-W8X §	RRX	2.1	R	<b>53.4</b>	12.5	0	132.7	505	5
CROPLAN	CP2128X GC	RRX	2.1	R	<b>52.4</b>	12.4	0	131.7	495	6
GOLDEN HARVEST	GH1915X §	RRX	1.9	R	<b>52.1</b>	12.4	0	129.3	492	7
HEFTY	H23X0	RRX	2.3	R	<b>52.0</b>	12.4	0	130.0	491	8
LATHAM	L 2295 R2X	RRX	2.2	R	<b>51.7</b>	12.6	0	127.0	489	9
HEFTY	H23X9	RRX	2.3	MR	<b>51.1</b>	12.2	0	127.3	483	10
RENK	RS248NX	RRX	2.4	R	50.1	11.9	0	127.7	473	11
GENESIS	G2350E	E3	2.3	R	50.1	12.8	0	127.3	473	12
PIONEER	P18A98X §	RRX	1.8	R	49.9	12.7	0	130.3	472	13
CREDENZ	CZ 2121GTLL	GT27	2.1	NA	49.8	13.1	0	129.7	471	14
APEX	AE2110	E3	2.1	R	49.3	12.6	0	126.7	466	15
TITAN PRO	21E0	E3	2.1	R	48.9	12.7	0	126.7	462	16
ZINESTO	Z2001E	E3	2.0	R	48.8	12.8	0	132.0	461	17
GENESIS	G1950E	E3	1.9	R	48.7	12.4	0	127.0	460	18
LOYAL	L2130E	E3	2.1	R	48.0	12.7	0	127.7	454	20
LATHAM	L 2184 R2X	RRX	2.1	R	47.8	12.2	0	132.3	452	21
CREDENZ	CZ 2040GTLL	GT27	2.0	R	47.6	12.7	0	129.3	450	22
APEX	AE1910	E3	1.9	R	47.6	12.2	0	128.7	450	23
TITAN PRO	19E0	E3	1.9	R	47.4	12.2	0	128.3	448	24
LATHAM	L 2228 R2	RR2Y	2.2	R	46.9	12.0	0	132.3	443	25
GENESIS	G2190GL	GT27	2.1	R	46.9	13.1	0	129.7	443	26
FS HISOY	HS 21X90	RRX	2.1	R	46.7	12.2	0	130.0	441	27
FS HISOY	HS 22X00	RRX	2.2	R	46.7	12.3	0	130.0	441	28
HOEGEMEYER	2245 E	E3	2.2	R	46.6	12.3	0	129.3	440	29
APEX	AE2310	E3	2.3	R	46.0	12.7	0	130.0	435	30
LATHAM	L 2395 LLGT27	GT27	2.3	R	45.7	13.0	0	130.7	432	31
CROPLAN	CP2400X CK	RRX	2.4	R	48.5	11.6	0	131.3	458	19

*Corey Rozenboom*

Corey Rozenboom

corey.rozenboom@firstseedtests.com, (319) 830-8886

Averages = **48.3** **12.4** **0** **129.6** **456**

LSD (0.10) = 2.6 0.3 ns

LSD (0.25) = 1.4 0.1 ns

C.V. = 5.2

Historic yield: 58.8 bu/a, 9 yr(s)

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$9.45

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

## 2020 Soybeans Top 30 Harvest Report

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

<b>Full-Season Test</b>	2.5 - 2.8 Day CRM S2020IANW02b
<b>Top 30 of 42</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Resicore, Roundup
<b>SOIL DESCRIPTION:</b>	Sac silty clay loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	medium P, medium K, 6.9 pH, 3.9% OM, 20.5 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Authority Supreme, Warrant Ultra, Section 3, Roundup, Priaxor, Baythroid XI, Ppz 41.8 Select
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 4 144.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Sep 29 129.7 /A

### TEST COMMENTS:

Soybean yields in northwest Iowa are all over the board this season due largely to rain showers that were very hit or miss. Areas that received key rains seem to be producing well, and those that missed the August rainfall struggled. This site was right on track until July when drought conditions began to take a toll. The season from 5/1 to 9/15 ended 5.8" below the 30-yr average. Evidence of some dicamba damage to the E3 and LG27 varieties was apparent earlier in the season and should be considered when evaluating performance of those varieties at this site.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
LATHAM	L 2549 R2X	RRX	2.5	R	<b>50.6</b>	11.9	0	129.3	478	1
TITAN PRO	25E0	E3	2.5	R	<b>48.4</b>	12.5	0	132.3	457	2
KRUGER	K2X-2673	RRX	2.6	R	<b>47.9</b>	12.0	0	129.7	453	3
TITAN PRO	28E8	E3	2.8	R	<b>47.9</b>	12.8	0	130.0	453	4
NK BRAND	S27-M8X §	RRX	2.7	R	<b>47.1</b>	12.6	0	132.7	445	6
LATHAM	L 2638 E3	E3	2.6	R	<b>47.1</b>	12.6	0	132.0	445	7
ASGROW	AG27X0 §	RRX	2.7	R	46.9	12.0	0	127.7	443	8
HEFTY	H28X8	RRX	2.8	R	46.7	12.3	0	126.0	441	9
GOLDEN HARVEST	GH2788X	RRX	2.7	R	46.7	12.6	0	126.7	441	10
APEX	AE2610	E3	2.6	R	46.6	12.6	0	130.3	440	11
PIONEER	P27A17X §	RRX	2.7	R	46.5	12.1	0	131.0	439	12
HOEGEMEYER	2660 E	E3	2.6	R	46.5	12.8	0	131.0	439	13
LATHAM	L 2887 R2X	RRX	2.8	R	46.0	12.1	0	131.3	435	14
CREDENZ	CZ 2550GTLL	GT27	2.5	MR	45.9	13.5	0	129.3	433	15
PIONEER	P25A04X GC	RRX	2.5	R	45.8	12.4	0	129.7	433	16
CHANNEL	2519R2X GC	RRX	2.5	S	45.8	11.9	0	128.0	433	17
PIONEER	P28T14E GC	E3	2.8	R	45.4	12.8	0	130.0	429	18
FS HISOY	HS 27X90	RRX	2.7	R	45.3	11.9	0	126.7	428	19
HEFTY	H25X0	RRX	2.5	R	45.3	11.8	0	132.0	428	20
STINE	27EC20 §	E3	2.7	R	45.2	12.9	0	132.3	427	21
GOLDEN HARVEST	GH2552X	RRX	2.5	MR	45.0	12.0	0	131.7	425	22
ASGROW	AG26X0 §	RRX	2.6	R	45.0	12.6	0	130.7	425	23
CREDENZ	CZ 2830GTLL	GT27	2.8	R	44.9	12.5	0	130.3	424	24
CREDENZ	CZ 2760GTLL	GT27	2.7	R	44.7	12.7	0	131.0	422	25
HEFTY	H25X8	RRX	2.5	MR	44.7	13.5	0	131.3	422	26
FS HISOY	HS 28X70	RRX	2.8	R	44.7	12.2	0	131.0	422	27
CHANNEL	2820R2X GC	RRX	2.8	NA	44.6	11.9	0	129.7	421	28
NK BRAND	S28-E3	E3	2.8	MR	44.3	12.9	0	127.7	419	29
PIONEER	P25T09E GC	E3	2.5	R	44.3	13.0	0	130.7	419	30
KRUGER	K2X-2573	RRX	2.5	R	44.2	12.3	0	128.3	418	31
CROPLAN	CP2400X CK	RRX	2.4	R	47.3	12.0	0	128.0	447	5
					Averages =	<b>45.0</b>	<b>12.5</b>	<b>0</b>	<b>129.7</b>	<b>426</b>
					LSD (0.10) =	2.0	0.6	ns		
					LSD (0.25) =	1.1	0.3	ns		
					C.V. =	4.3	Historic yield: 58.8 bu/a, 9 yr(s)			

*Corey Rozenboom*

Corey Rozenboom

corey.rozenboom@firstseedtests.com, (319) 830-8886

### Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.02

Prices: GMO = \$9.45

Report Date: 09/30/2020

Additional reports available at [www.firstseedtests.com](http://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

©2020, All rights reserved by Elite Field Genetics, LLC

## 2020 Soybeans - Iowa Northwest [ IANW ]

### Early-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
APEX	AE1910	E3	R	1.9	CMBV,SA
APEX	AE2110	E3	R	2.1	CMBV,SA
APEX	AE2310	E3	R	2.3	CMBV,SA
CREDENZ	CZ 2040GTLL	GT27	R	2.0	Treated
CREDENZ	CZ 2121GTLL	GT27	NA	2.1	Treated
CREDENZ	CZ 2230GTLL	GT27	MR	2.2	Treated
CREDENZ	CZ 2360GTLL	GT27	MR	2.3	PV,IL,OB
CROPLAN	CP2128X GC	RRX	R	2.1	W
CROPLAN	CP2400X CK	RRX	R	2.4	Untreated
FS HISOY	HS 21X90	RRX	R	2.1	ACi,SA,B-200
FS HISOY	HS 22X00	RRX	R	2.2	ACi,SA
FS HISOY	HS 23X70	RRX	R	2.3	ACi,SA,B-200
FS HISOY	HS 24X80	RRX	R	2.4	ACi,SA,B-200
GENESIS	G1950E	E3	R	1.9	CMBV,SA
GENESIS	G2150E	E3	R	2.1	CMBV,SA
GENESIS	G2190GL	GT27	R	2.1	EcTC,SA
GENESIS	G2350E	E3	R	2.3	EcTC,SA
GOLDEN HARVEST	GH1915X §	RRX	R	1.9	CMBV,SA
GOLDEN HARVEST	GH2329X	RRX	MR	2.3	CMBV,SA
HEFTY	H23X0	RRX	R	2.3	HCS
HEFTY	H23X9	RRX	MR	2.3	HCS
HEFTY	H24X8	RRX	MR	2.4	HCS
HOEGEMEYER	2245 E	E3	R	2.2	Lum,Lu,IL
KRUGER	K2X-2073	RRX	R	2.0	ACi,IL
LATHAM	L 2184 R2X	RRX	R	2.1	SS+
LATHAM	L 2228 R2	RR2Y	R	2.2	SS+
LATHAM	L 2295 R2X	RRX	R	2.2	SS+
LATHAM	L 2395 LLGT27	GT27	R	2.3	SS+
LOYAL	L2130E	E3	R	2.1	CMBV,SA
NK BRAND	S21-W8X §	RRX	R	2.1	CMBV,SA
NK BRAND	S23-G5X	RRX	MR	2.3	CMBV,SA
PIONEER	P18A98X §	RRX	R	1.8	Lum
PIONEER	P22T86E §	E3	R	2.2	Untreated
RENK	RS248NX	RRX	R	2.4	EcTC,SA
STINE	19EC32 §	E3	R	1.9	VFI,SA
TITAN PRO	19E0	E3	R	1.9	SA,A,R,G

Company/Brand	Brand/Product	Technology	RM	SCN	Seed Treat.
TITAN PRO	20E9	E3	R	2.0	SA,A,R,G
TITAN PRO	21E0	E3	R	2.1	SA,A,R,G
TITAN PRO	22E8	E3	R	2.2	SA,A,R,G
ZINESTO	Z2001E	E3	R	2.0	DST
ZINESTO	Z2101G	GT27	R	2.1	DST
ZINESTO	Z2401E	E3	R	2.4	DST

## 2020 Soybeans - Iowa Northwest [ IANW ]

### Full-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
APEX	AE2610	E3	R	2.6	CMBV,SA
APEX	AE2800	E3	R	2.8	CMBV,SA
ASGROW	AG26X0 §	RRX	R	2.6	ACi,IL
ASGROW	AG26X8 §	RRX	R	2.6	ACi
ASGROW	AG27X0 §	RRX	R	2.7	ACi,IL
CHANNEL	2519R2X GC	RRX	S	2.5	Treated
CHANNEL	2820R2X GC	RRX	NA	2.8	Treated
CREDENZ	CZ 2550GTLL	GT27	MR	2.5	PV,IL,OB
CREDENZ	CZ 2760GTLL	GT27	R	2.7	PV,IL,OB
CREDENZ	CZ 2830GTLL	GT27	R	2.8	PV,IL,OB
CROPLAN	CP2400X CK	RRX	R	2.4	Untreated
FS HISOY	HS 25E00	E3	R	2.5	ACi,SA
FS HISOY	HS 27X90	RRX	R	2.7	ACi,SA,B-200
FS HISOY	HS 28E90	E3	R	2.8	ACi,SA,B-200
FS HISOY	HS 28X70	RRX	R	2.8	ACi,SA,B-200
GENESIS	G2550E	E3	R	2.5	CMBV,SA
GOLDEN HARVEST	GH2552X	RRX	MR	2.5	CMBV,SA
GOLDEN HARVEST	GH2788X	RRX	R	2.7	CMBV,SA
HEFTY	H25X0	RRX	R	2.5	HCS
HEFTY	H25X8	RRX	MR	2.5	HCS
HEFTY	H28X8	RRX	R	2.8	Untreated
HOEGEMEYER	2660 E	E3	R	2.6	Lum,Lu,IL
KRUGER	K2X-2573	RRX	R	2.5	ACi,IL
KRUGER	K2X-2673	RRX	R	2.6	ACi,IL
LATHAM	L 2549 R2X	RRX	R	2.5	SS+
LATHAM	L 2638 E3	E3	R	2.6	SS+
LATHAM	L 2839 LLGT27	GT27	R	2.8	SS+
LATHAM	L 2887 R2X	RRX	R	2.8	SS+
NK BRAND	S27-M8X §	RRX	R	2.7	CMBV,SA
NK BRAND	S28-E3	E3	MR	2.8	CMBV,SA
PIONEER	P25A04X GC	RRX	R	2.5	Lum
PIONEER	P25T09E GC	E3	R	2.5	Untreated
PIONEER	P27A17X §	RRX	R	2.7	Untreated
PIONEER	P28T14E GC	E3	R	2.8	Untreated
RENK	RS250NX	RRX	R	2.5	EcTC,SA
RENK	RS280NX	RRX	R	2.8	EcTC,SA

Company/Brand	Brand/Product	Technology	RM	SCN	Seed Treat.
STINE	26EB23 §	E3	R	2.6	VFI,SA
STINE	27EC20 §	E3	R	2.7	VFI,SA
TITAN PRO	25E0	E3	R	2.5	SA,A,R,G
TITAN PRO	28E8	E3	R	2.8	SA,A,R,G
ZINESTO	Z2501E	E3	R	2.5	DST
ZINESTO	Z2701E	E3	R	2.7	DST

## 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
GT27	LibertyLink® GT27™
RR2Y	Roundup Ready 2 Yield®
RRX	Roundup Ready 2 Xtend®

---

## Soybeans Seed Treatments\*\*

---

NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron Standard Insecticide-Fungicide, ILeVO
ACi,SA	Acceleron Standard fungicide + insecticide, Saltro
ACi,SA,B-200	Acceleron Standard fungicide + insecticide, Saltro, Acceleron B-200 SAT (Dry Seed Finisher)
CMBV,SA	Cruisermaxx, Vibrance, Saltro
DST	Dominance 2 ST
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Saltro
HCS	Hefty Complete Soybeans
Lum	Lumigen™
Lum,Lu,IL	Lumigen, Lumisena™, ILeVO
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SA,A,R,G	Saltro, Allegiance FL, Redigo 480, Gaucho 600
SS+	SoyShield Plus
Treated	Treated, unspecified
Untreated	No seed treatment
VFI,SA	Virile Fungicide+Insecticide, Saltro (BCS Consulting)
W	Warden® CX

---

\*\* Seed treatments may include unspecified plant health promoting components.