

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

## 2020 Soybeans Top 30 Harvest Report

Iowa North Central [IANC] LAURENS, IA  
Dale Roewe, Pocahontas County, IA 50554

<b>Early-Season Test</b>	2.1 - 2.5 Day CRM S2020IANC01a
<b>Top 30 of 48</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Atrazine, Halex Gt
<b>SOIL DESCRIPTION:</b>	Webster silty clay loam, moderately drained, non- irrigated
<b>SOIL CONDITION:</b>	very high P, high K, 6.2 pH, 3.5% OM, 20.9 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/O Fall Till
<b>PEST MANAGEMENT:</b>	Metolachlor, Warrant Ultra, Clethodim
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEDED - RATE - ROW:</b>	May 7 144.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 1 129.6 /A

### TEST COMMENTS:

Planted at the end of the first week of May, early-season soil moisture was adequate, and stands averaged nearly 90% of the planted population. A July 9 storm brought 2" of rain which ended up being about the last significant shower through the end of the season. This plot is located on a Webster silty clay loam that held water well and allowed plants to withstand the dry and hot August weather that followed. The field ended 5.8" short of the 30-yr average from 5/1 through 9/15.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS HISOY	HS 22X00	RRX	2.2	R	<b>69.3</b>	9.9	0	130.3	655	1
FS HISOY	HS 24X80	RRX	2.4	R	<b>69.2</b>	9.7	0	128.0	654	2
RENK	RS248NX	RRX	2.4	R	<b>68.0</b>	11.0	0	130.3	643	3
GENESIS	G2190GL	LLGT27	2.1	R	<b>67.2</b>	9.9	0	127.3	635	4
LATHAM	L 2184 R2X	RRX	2.1	R	<b>67.1</b>	9.9	0	130.3	634	5
GENESIS	G2150E	E3	2.1	R	<b>67.1</b>	10.2	0	130.0	634	6
APEX	AE2110	E3	2.1	R	<b>67.0</b>	9.7	0	129.0	633	7
NK BRAND	S21-W8X §	RRX	2.1	R	<b>65.7</b>	9.8	0	130.3	621	8
LATHAM	L 2549 R2X	RRX	2.5	R	<b>65.6</b>	9.8	0	131.3	620	9
CREDENZ	CZ 2360GTLL	LLGT27	2.3	MR	<b>65.3</b>	10.3	0	128.7	617	10
CREDENZ	CZ 2121GTLL	LLGT27	2.1	MR	65.1	10.2	0	133.3	615	11
LATHAM	L 2228 R2	RR2Y	2.2	R	64.9	9.9	0	132.3	613	12
FS HISOY	HS 21X90	RRX	2.1	R	64.9	10.0	0	131.7	613	13
NK BRAND	S23-G5X	RRX	2.3	MR	64.3	9.9	0	130.0	608	14
GOLDEN HARVEST	GH2230X	RRX	2.2	R	63.7	9.8	0	128.7	602	15
ZINESTO	Z2401E	E3	2.4	R	63.2	10.4	0	127.0	597	16
GOLDEN HARVEST	GH2552X	RRX	2.5	MR	63.2	10.1	0	129.0	597	17
CORNELIUS	CB24X64	RRX	2.4	R	63.2	11.0	0	131.7	597	18
NUTECH	24N04E	E3	2.4	R	63.1	10.5	0	128.3	596	19
LATHAM	L 2379 E3	E3	2.3	R	62.9	10.3	0	128.0	594	21
GENESIS	G2350E	E3	2.3	R	62.7	10.3	0	129.3	593	22
HEFTY	H23X0	RRX	2.3	R	62.5	10.1	0	129.7	591	23
HOEGEMEYER	2245 E	E3	2.2	R	62.5	9.8	0	132.0	591	24
GOLDEN HARVEST	GH2329X	RRX	2.3	MR	62.2	9.7	0	130.0	588	25
APEX	AE2510	E3	2.5	R	62.2	10.7	0	130.0	588	26
ZINESTO	Z2101E	E3	2.1	R	62.1	9.9	0	127.7	587	27
P3 GENETICS	1924E	E3	2.4	R	61.7	10.4	0	127.3	583	28
HEFTY	H25X0	RRX	2.5	R	61.1	10.0	0	132.0	577	29
NUTECH	22N02E	E3	2.2	R	60.9	11.4	0	130.3	576	30
TITAN PRO	22E8	E3	2.2	R	60.7	10.6	0	128.3	574	31
CROPLAN	CP2400X CK	RRX	2.4	R	62.9	10.7	0	130.0	594	20

*Corey Rozenboom*

Corey Rozenboom

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Averages = **62.2** **10.2** **0** **129.6** **588**

LSD (0.10) = 3.1 0.4 ns

LSD (0.25) = 1.6 0.2 ns

C.V. = 4.7

Historic yield: 56.3 bu/a, 8 yr(s)

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

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<b>Full-Season Test</b>	2.6 - 2.9 Day CRM S2020IANC01b
<b>Top 30 of 42</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Atrazine, Halex Gt
<b>SOIL DESCRIPTION:</b>	Webster silty clay loam, moderately drained, non- irrigated
<b>SOIL CONDITION:</b>	very high P, high K, 6.2 pH, 3.5% OM, 20.9 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/O Fall Till
<b>PEST MANAGEMENT:</b>	Metolachlor, Warrant Ultra, Clethodim
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEDED - RATE - ROW:</b>	May 7 144.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 1 129.8 /A

### TEST COMMENTS:

*Planted at the end of the first week of May, early-season soil moisture was adequate, and stands averaged nearly 90% of the planted population. A July 9 storm brought 2" of rain which ended up being about the last significant shower through the end of the season. This plot is located on a Webster silty clay loam that held water well and allowed plants to withstand the dry and hot August weather that followed. The field ended 5.8" short of the 30-yr average from 5/1 through 9/15.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
LATHAM	L 2638 E3	E3	2.6	R	<b>68.4</b>	10.5	0	131.0	646	1
KRUGER	K2X-2673	RRX	2.6	R	<b>67.6</b>	10.2	0	132.3	639	2
FS HISOY	HS 27X90	RRX	2.7	R	<b>65.9</b>	12.9	0	132.3	623	3
PIONEER	P27A17X §	RRX	2.7	R	<b>65.2</b>	10.4	0	131.0	616	4
NK BRAND	S27-M8X	RRX	2.7	R	<b>64.9</b>	10.4	0	129.7	613	5
PIONEER	P28T14E §	E3	2.8	R	<b>64.7</b>	12.9	0	131.7	611	6
NK BRAND	S28-E3 §	E3	2.8	MR	<b>64.0</b>	11.5	0	127.7	605	7
HOEGEMEYER	2660 E	E3	2.6	R	<b>64.0</b>	10.4	0	130.7	605	8
CREDENZ	CZ 2760GTLL	LLGT27	2.7	R	<b>63.9</b>	12.4	0	129.7	604	9
P3 GENETICS	2126E	E3	2.6	R	<b>63.8</b>	11.0	0	131.7	603	10
GENESIS	G2840E	E3	2.8	R	<b>63.8</b>	10.7	0	128.0	603	11
NUTECH	28N02E	E3	2.8	R	63.6	11.7	0	128.3	601	12
GOLDEN HARVEST	GH2788X §	RRX	2.7	R	63.6	10.2	0	129.7	601	13
LATHAM	L 2894 E3	E3	2.8	R	63.1	10.9	0	130.7	596	14
HEFTY	H29X8	RRX	2.9	MR	62.9	13.6	0	126.7	594	15
<i>FS HISOY</i>	<i>HS 28E90</i>	<i>E3</i>	<i>2.8</i>	<i>R</i>	<i>62.4</i>	<i>15.6</i>	<i>0</i>	<i>127.7</i>	<i>586</i>	<i>19</i>
APEX	AE2800	E3	2.8	R	62.4	11.0	0	129.0	590	17
CREDENZ	CZ 2830GTLL	LLGT27	2.8	R	62.3	10.7	0	132.3	589	18
CREDENZ	CZ 2910GTLL	LLGT27	2.9	R	61.7	13.5	0	131.0	582	20
APEX	AE2610	E3	2.6	R	61.3	11.1	0	132.7	579	21
HEFTY	H28X8	RRX	2.8	R	61.3	11.9	0	129.7	579	22
ASGROW	AG27X0 GC	RRX	2.7	R	61.3	10.8	0	127.3	579	23
ASGROW	AG26X0 §	RRX	2.6	R	61.1	10.1	0	129.0	577	24
TITAN PRO	28E8	E3	2.8	R	61.0	10.9	0	131.3	576	25
KRUGER	K2X-2971	RRX	2.9	R	60.9	13.6	0	129.7	575	26
RENK	RS280NX	RRX	2.8	R	60.8	12.7	0	130.7	575	27
P3 GENETICS	1928E	E3	2.8	R	60.6	12.4	0	131.3	573	28
ZINESTO	Z2701E	E3	2.7	R	60.3	12.3	0	126.7	570	29
CORNELIUS	CB27X81	RRX	2.7	R	60.1	10.8	0	130.0	568	30
LATHAM	E 2995 LLGT27	LLGT27	2.9	R	59.4	12.8	0	131.3	561	31
CROPLAN	CP2400X CK	RRX	2.4	R	62.8	10.9	0	129.7	593	16

*Corey Rozenboom*

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Averages = **61.5** **11.7** **0** **129.8** **581**

LSD (0.10) = 2.3 0.8 ns

LSD (0.25) = 1.2 0.4 ns

C.V. = 3.5

Historic yield: 56.3 bu/a, 8 yr(s)

### Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.02

Prices: GMO = \$9.45

Report Date: 10/01/2020

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

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## 2020 Soybeans - Iowa North Central [ IANC ]

### Early-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
APEX	AE2110	E3	R	2.1	CMBV,SA
APEX	AE2310	E3	R	2.3	CMBV,SA
APEX	AE2510	E3	R	2.5	CMBV,SA
CORNELIUS	CB24X64	RRX	R	2.4	PG+
CREDENZ	CZ 2121GTLL	LLGT27	MR	2.1	PV,IL,OB
CREDENZ	CZ 2230GTLL	LLGT27	MR	2.2	PV,IL,OB
CREDENZ	CZ 2360GTLL	LLGT27	MR	2.3	PV,IL,OB
CREDENZ	CZ 2550GTLL	LLGT27	MR	2.5	PV,IL,OB
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	G2150E	E3	R	2.1	CMBV,SA
GENESIS	G2190GL	LLGT27	R	2.1	EcTC,SA
GENESIS	G2350E	E3	R	2.3	EcTC,SA
GENESIS	G2550E	E3	R	2.5	CMBV,SA
GOLDEN HARVEST	GH2230X	RRX	R	2.2	CMBV,SA
GOLDEN HARVEST	GH2329X	RRX	MR	2.3	CMBV,SA
GOLDEN HARVEST	GH2552X	RRX	MR	2.5	CMBV,SA
HEFTY	H23X0	RRX	R	2.3	HCS
HEFTY	H23X9	RRX	MR	2.3	HCS
HEFTY	H25X0	RRX	R	2.5	HCS
HOEGEMEYER	2245 E	E3	R	2.2	Lum,Lu,IL
KRUGER	K2X-2573	RRX	R	2.5	ACi,IL
LATHAM	L 2184 R2X	RRX	R	2.1	SS+
LATHAM	L 2228 R2	RR2Y	R	2.2	SS+
LATHAM	L 2379 E3	E3	R	2.3	SS+
LATHAM	L 2549 R2X	RRX	R	2.5	SS+
NK BRAND	S21-W8X §	RRX	R	2.1	CMBV,SA
NK BRAND	S23-G5X	RRX	MR	2.3	CMBV,SA
NK BRAND	S25-V8X	RRX	MR	2.5	CMBV,SA
NUTECH	22N02E	E3	R	2.2	Lum,G,IL
NUTECH	24N02E	E3	R	2.4	Lum,G,IL
NUTECH	24N04E	E3	R	2.4	Lum,G,IL
P3 GENETICS	1924E	E3	R	2.4	PG+

Company/Brand	Brand/Product	Technology	RM	SCN	Seed Treat.
P3 GENETICS	2023E	E3	R	2.3	PG+
PIONEER	P25A04X §	RRX	R	2.5	Lum
RENK	RS248NX	RRX	R	2.4	EcTC,SA
RENK	RS250NX	RRX	R	2.5	EcTC,SA
STINE	21EA32 §	E3	R	2.1	VFI,SA
STINE	23EA32 §	E3	R	2.3	VFI,SA
TITAN PRO	21E0	E3	R	2.1	SA,A,R,G
TITAN PRO	22E8	E3	R	2.2	SA,A,R,G
TITAN PRO	25E0	E3	R	2.5	SA,A,R,G
ZINESTO	Z2101E	E3	R	2.1	DST
ZINESTO	Z2401E	E3	R	2.4	DST
ZINESTO	Z2501E	E3	R	2.5	DST

## 2020 Soybeans - Iowa North Central [ IANC ]

### 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 GC	RRX	R	2.7	ACi,IL
ASGROW	AG29X9 §	RRX	R	2.9	ACi,IL
CHANNEL	2820R2X GC	RRX	NA	2.8	ACi,IL
CORNELIUS	CB26X78	RRX	R	2.6	PG+
CORNELIUS	CB27X81	RRX	R	2.7	PG+
CREDENZ	CZ 2760GTLL	LLGT27	R	2.7	PV,IL,OB
CREDENZ	CZ 2830GTLL	LLGT27	R	2.8	PV,IL,OB
CREDENZ	CZ 2910GTLL	LLGT27	R	2.9	PV,IL,OB
CROPLAN	CP2400X CK	RRX	R	2.4	Untreated
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	G2840E	E3	R	2.8	CMBV,SA
GOLDEN HARVEST	GH2788X §	RRX	R	2.7	CMBV,SA
GOLDEN HARVEST	GH2981X	RRX	R	2.9	CMBV,SA
HEFTY	H28X8	RRX	R	2.8	Untreated
HEFTY	H29X8	RRX	MR	2.9	HCS
HOEGEMEYER	2660 E	E3	R	2.6	Lum,Lu,IL
HOEGEMEYER	2970 E	E3	R	2.9	Lum,Lu,IL
KRUGER	K2X-2673	RRX	R	2.6	ACi,IL
KRUGER	K2X-2971	RRX	R	2.9	ACi,IL
LATHAM	E 2995 LLGT27	LLGT27	R	2.9	SS+
LATHAM	L 2638 E3	E3	R	2.6	SS+
LATHAM	L 2682 R2X	RRX	R	2.6	SS+
LATHAM	L 2894 E3	E3	R	2.8	SS+
NK BRAND	S27-M8X	RRX	R	2.7	CMBV,SA
NK BRAND	S28-E3 §	E3	MR	2.8	CMBV,SA
NUTECH	26N04E	E3	R	2.6	Lum,G,IL
NUTECH	28N02E	E3	R	2.8	Lum,G,IL
P3 GENETICS	1928E	E3	R	2.8	PG+
P3 GENETICS	2126E	E3	R	2.6	PG+
PIONEER	P27A17X §	RRX	R	2.7	Untreated

Company/Brand	Brand/Product	Technology	RM	SCN	Seed Treat.
PIONEER	P28T14E §	E3	R	2.8	Untreated
RENK	RS280NX	RRX	R	2.8	EcTC,SA
STINE	27EC20 §	E3	R	2.7	VFI,SA
TITAN PRO	28E8	E3	R	2.8	SA,A,R,G
ZINESTO	Z2701E	E3	R	2.7	DST
ZINESTO	Z2900E	E3	R	2.9	DST

## 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
LLGT27	LibertyLink® GT27®
RR2Y	Roundup Ready 2 Yield®
RRX	Roundup Ready 2 Xtend®

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## Soybeans Seed Treatments\*\*

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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,G,IL	Lumisena, Gaucho, ILeVO
Lum,Lu,IL	Lumigen, Lumisena™, ILeVO
PG+	Profit Guard +
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SA,A,R,G	Saltro, Allegiance FL, Redigo 480, Gaucho 600
SS+	SoyShield Plus
Untreated	No seed treatment
VFI,SA	Virile Fungicide+Insecticide, Saltro (BCS Consulting)

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