

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

## 2020 Soybeans Top 30 Harvest Report

Iowa Northwest [IANW] BOYDEN, IA  
Chris Vander Veen, Sioux County, IA

<b>Early-Season Test</b>	1.9 - 2.4 Day CRM S2020IANW01a
<b>Top 30 of 42</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Sure Start, Sotrion, Durango
<b>SOIL DESCRIPTION:</b>	Galva silty clay loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, very high K, 6.2 pH, 4.2% OM, 22.5 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Fierce, Flexstar Gt, Fusilade, Quilt Xcel, Endigo Zc
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 13 144.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Sep 30 130.1 /A

### TEST COMMENTS:

*Good planting conditions, excellent emergence and adequate rainfall early in the season promoted vigorous vegetative growth. Though this area remained dry for much of the last half of the growing season, this Galva silty clay loam is very productive and held water just long enough to allow for high pod loads across several varieties at this farm. Fungicide was applied and kept plants healthy and green until maturity.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
ZINESTO	Z2401E	E3	2.4	R	<b>81.7</b>	11.7	0	127.7	772	1
NK BRAND	S21-W8X §	RRX	2.1	R	<b>81.5</b>	8.4	0	130.7	770	2
CREDENZ	CZ 2121GTLL	GT27	2.1	NA	<b>80.4</b>	8.6	0	129.3	760	4
ZINESTO	Z2101G	GT27	2.1	R	<b>79.9</b>	8.6	0	132.7	755	5
ZINESTO	Z2001E	E3	2.0	R	<b>79.7</b>	8.3	0	130.0	753	6
LATHAM	L 2184 R2X	RRX	2.1	R	<b>79.2</b>	9.1	0	125.7	748	7
GOLDEN HARVEST	GH2329X	RRX	2.3	MR	<b>79.0</b>	8.6	0	131.3	747	8
GENESIS	G2190GL	GT27	2.1	R	<b>78.9</b>	8.4	0	128.7	746	9
FS HISOY	HS 24X80	RRX	2.4	R	78.3	8.9	0	128.3	740	10
CROPLAN	CP2128X GC	RRX	2.1	R	77.8	8.7	0	130.7	735	11
TITAN PRO	20E9	E3	2.0	R	77.7	8.7	0	128.0	734	12
HEFTY	H24X8	RRX	2.4	MR	77.5	10.5	0	130.3	732	13
FS HISOY	HS 22X00	RRX	2.2	R	77.5	8.8	0	133.0	732	14
APEX	AE2110	E3	2.1	R	77.4	8.4	0	130.3	731	15
FS HISOY	HS 21X90	RRX	2.1	R	76.8	9.0	0	130.3	726	16
LOYAL	L2130E	E3	2.1	R	76.7	8.8	0	130.0	725	17
STINE	19EC32 §	E3	1.9	R	76.3	8.3	0	132.0	721	18
HOEGEMEYER	2245 E	E3	2.2	R	76.3	8.6	0	132.0	721	19
GENESIS	G1950E	E3	1.9	R	76.2	8.3	0	130.3	720	20
CREDENZ	CZ 2040GTLL	GT27	2.0	R	76.2	8.4	0	131.7	720	21
LATHAM	L 2295 R2X	RRX	2.2	R	75.7	8.4	0	130.7	715	22
NK BRAND	S23-G5X	RRX	2.3	MR	75.0	8.5	0	130.7	709	23
CREDENZ	CZ 2360GTLL	GT27	2.3	MR	74.9	8.7	0	130.0	708	24
HEFTY	H23X9	RRX	2.3	MR	74.6	9.2	0	129.0	705	25
HEFTY	H23X0	RRX	2.3	R	74.5	9.1	0	130.0	704	26
GOLDEN HARVEST	GH1915X §	RRX	1.9	R	74.5	8.3	0	131.3	704	27
CREDENZ	CZ 2230GTLL	GT27	2.2	MR	74.2	8.7	0	131.7	701	28
PIONEER	P22T86E §	E3	2.2	R	74.1	8.9	0	130.0	700	29
TITAN PRO	21E0	E3	2.1	R	74.0	8.6	0	128.0	699	30
KRUGER	K2X-2073	RRX	2.0	R	73.8	8.9	0	128.3	697	31
CROPLAN	CP2400X CK	RRX	2.4	R	81.1	10.5	0	132.3	766	3

*Corey Rozenboom*

Corey Rozenboom

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Averages = **75.1** **8.9** **0** **130.1** **709**

LSD (0.10) = 3.4 0.4 ns

LSD (0.25) = 1.8 0.2 ns

C.V. = 4.3

Historic yield: 65.4 bu/a, 3 yr(s)

### Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.02

Prices: GMO = \$9.45

Report Date: 09/30/2020

† 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 Top 30 Harvest Report

Iowa Northwest [IANW] BOYDEN, IA  
Chris Vander Veen, Sioux County, IA

<b>Full-Season Test</b>	2.5 - 2.8 Day CRM S2020IANW01b
<b>Top 30 of 42</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Sure Start, Sotrion, Durango
<b>SOIL DESCRIPTION:</b>	Galva silty clay loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, very high K, 6.2 pH, 4.2% OM, 22.5 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Fierce, Flexstar Gt, Fusilade, Quilt Xcel, Endigo Zc
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 13 144.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Sep 30 129.9 /A

### TEST COMMENTS:

*Good planting conditions, excellent emergence and adequate rainfall early in the season promoted vigorous vegetative growth. Though this area remained dry for much of the last half of the growing season, this Galva silty clay loam is very productive and held water just long enough to allow for high pod loads across several varieties at this farm. Fungicide was applied and kept plants healthy and green until maturity.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
RENK	RS280NX	RRX	2.8	R	<b>83.0</b>	14.5	0	131.0	782	2
NK BRAND	S27-M8X §	RRX	2.7	R	<b>82.9</b>	9.4	0	129.7	783	1
HOEGEMEYER	2660 E	E3	2.6	R	<b>82.0</b>	10.4	0	129.7	775	3
APEX	AE2800	E3	2.8	R	<b>81.9</b>	11.2	0	129.3	774	4
FS HISOY	HS 27X90	RRX	2.7	R	<b>81.5</b>	13.6	0	130.0	769	5
TITAN PRO	25E0	E3	2.5	R	<b>81.2</b>	11.5	0	129.7	767	6
GOLDEN HARVEST	GH2788X	RRX	2.7	R	<b>80.5</b>	9.8	0	129.7	761	7
CREDENZ	CZ 2760GTLL	GT27	2.7	R	<b>79.9</b>	12.2	0	128.7	755	8
APEX	AE2610	E3	2.6	R	<b>79.9</b>	11.4	0	131.7	755	9
KRUGER	K2X-2673	RRX	2.6	R	<b>79.5</b>	9.1	0	131.3	751	10
TITAN PRO	28E8	E3	2.8	R	<b>78.7</b>	11.3	0	128.0	744	11
LATHAM	L 2638 E3	E3	2.6	R	<b>78.5</b>	12.1	0	131.7	742	13
CREDENZ	CZ 2550GTLL	GT27	2.5	MR	77.2	9.6	0	132.7	730	14
NK BRAND	S28-E3	E3	2.8	MR	76.9	12.1	0	132.0	727	15
ZINESTO	Z2501E	E3	2.5	R	76.7	9.9	0	131.0	725	16
CREDENZ	CZ 2830GTLL	GT27	2.8	R	75.6	11.9	0	129.7	714	17
STINE	26EB23 §	E3	2.6	R	75.4	11.6	0	131.3	713	18
FS HISOY	HS 28E90	E3	2.8	R	75.0	14.4	0	130.0	707	20
LATHAM	L 2549 R2X	RRX	2.5	R	75.0	9.3	0	131.0	709	19
LATHAM	L 2839 LLGT27	GT27	2.8	R	74.4	11.6	0	130.0	703	21
GENESIS	G2550E	E3	2.5	R	74.0	11.2	0	126.7	699	22
PIONEER	P28T14E GC	E3	2.8	R	73.9	12.0	0	126.7	698	23
HEFTY	H28X8	RRX	2.8	R	72.3	12.3	0	126.3	683	24
CHANNEL	2820R2X GC	RRX	2.8	NA	72.1	10.9	0	129.3	681	25
PIONEER	P25A04X GC	RRX	2.5	R	71.8	10.8	0	130.3	679	26
FS HISOY	HS 25E00	E3	2.5	R	71.7	11.5	0	128.3	678	27
ASGROW	AG27X0 §	RRX	2.7	R	71.4	10.9	0	129.0	675	28
HEFTY	H25X0	RRX	2.5	R	71.3	9.2	0	129.7	674	29
ASGROW	AG26X0 §	RRX	2.6	R	71.2	10.5	0	129.3	673	30
PIONEER	P25T09E GC	E3	2.5	R	71.0	11.4	0	130.0	671	31
CROPLAN	CP2400X CK	RRX	2.4	R	78.5	10.1	0	131.3	742	12

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Averages = **74.3** **11.1** **0** **129.9** **702**

LSD (0.10) = 3.6 0.8 ns

LSD (0.25) = 1.9 0.4 ns

C.V. = 4.6

Historic yield: 65.4 bu/a, 3 yr(s)

### Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.02

Prices: GMO = \$9.45

## 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

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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
GT27	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,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

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