

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

2020 Soybeans Top 30 Harvest Report

Iowa Northwest [IANW] ALBERT CITY, IA
Nathan Schumann, Buena Vista County, IA 50510

Early-Season Test	1.9 - 2.4 Day CRM S2020IANW04a
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Accuron
SOIL DESCRIPTION:	Clarion loam, mod. well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 6.8 pH, 3.6% OM, 16.6 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Zidua Pro, Roundup Powermax, Warrant Ultra, Section Three
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 12 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 2 135.3 /A

TEST COMMENTS:

After a good start to the season, this area turned dry just like much of NW Iowa. The moisture deficit impacted area bean crops during flowering as July and August brought less than 2.5" of total rainfall. Results of the drought varied widely but the Canisteo clay loam in the plot is tight, holds moisture well, and has relatively high OM%. These factors allowed for decent yields considering the hot and dry conditions faced this summer.

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	77.5	9.1	0	138.7	732	1
GENESIS	G2150E	E3	2.1	R	72.5	9.8	0	135.0	685	2
GENESIS	G2190GL	LLGT27	2.1	R	72.5	9.2	0	133.3	685	3
LATHAM	L 2295 R2X	RRX	2.2	R	72.4	8.8	0	136.0	684	4
HEFTY	H23X9	RRX	2.3	MR	71.5	9.8	0	134.0	676	5
CROPLAN	CP2128X GC	RRX	2.1	R	71.3	9.0	0	136.7	674	6
HEFTY	H23X0	RRX	2.3	R	71.3	9.8	0	136.7	674	7
LATHAM	L 2395 LLGT27	LLGT27	2.3	R	70.7	9.8	0	139.3	668	8
LATHAM	L 2228 R2	RR2Y	2.2	R	69.8	9.7	0	135.3	660	9
GOLDEN HARVEST	GH1915X §	RRX	1.9	R	69.6	9.0	0	135.3	658	10
RENK	RS248NX	RRX	2.4	R	69.5	10.1	0	136.7	657	11
APEX	AE2110	E3	2.1	R	69.4	9.7	0	136.3	656	12
PIONEER	P22T86E §	E3	2.2	R	69.3	10.1	0	133.7	655	13
APEX	AE1910	E3	1.9	R	69.1	9.2	0	134.7	653	14
CREDENZ	CZ 2040GTLL	LLGT27	2.0	R	68.7	9.6	0	134.7	649	15
ZINESTO	Z2101G	LLGT27	2.1	R	68.5	9.8	0	134.3	647	16
HEFTY	H24X8	RRX	2.4	MR	68.2	10.0	0	134.7	644	17
HOEGEMEYER	2245 E	E3	2.2	R	68.1	9.7	0	136.3	644	18
STINE	19EC32 §	E3	1.9	R	67.4	9.0	0	137.7	637	20
TITAN PRO	21E0	E3	2.1	R	67.2	9.9	0	134.7	635	21
GENESIS	G1950E	E3	1.9	R	66.8	9.2	0	137.3	631	22
PIONEER	P18A98X §	RRX	1.8	R	66.7	9.2	0	135.0	630	23
NK BRAND	S21-W8X §	RRX	2.1	R	66.6	9.1	0	136.7	629	24
CREDENZ	CZ 2121GTLL	LLGT27	2.1	MR	66.2	9.2	0	134.3	626	25
CREDENZ	CZ 2360GTLL	LLGT27	2.3	MR	65.0	9.6	0	138.7	614	26
CREDENZ	CZ 2230GTLL	LLGT27	2.2	MR	65.0	9.7	0	136.0	614	27
KRUGER	K2X-2073	RRX	2.0	R	64.9	9.4	0	132.7	613	28
NK BRAND	S23-G5X	RRX	2.3	MR	64.8	9.4	0	134.0	612	29
LATHAM	L 2184 R2X	RRX	2.1	R	64.5	9.6	0	136.7	610	30
LOYAL	L2130E	E3	2.1	R	64.3	9.9	0	135.3	608	31
CROPLAN	CP2400X CK	RRX	2.4	R	67.5	10.0	0	135.0	638	19

Corey Rozenboom

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Averages = **66.5** **9.6** **0** **135.3** **629**

LSD (0.10) = 3.9 0.5 ns

LSD (0.25) = 2.0 0.3 ns

C.V. = 5.5

Historic yield: 63.2 bu/a, 5 yr(s)

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

Report Date: 10/02/2020

Revised: 10/02/2020

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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2020 Soybeans Top 30 Harvest Report

Iowa Northwest [IANW] ALBERT CITY, IA
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Full-Season Test	2.5 - 2.8 Day CRM S2020IANW04b
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Accuron
SOIL DESCRIPTION:	Clarion loam, mod. well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 6.8 pH, 3.6% OM, 16.6 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Zidua Pro, Roundup Powermax, Warrant Ultra, Section Three
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 12 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 2 135.1 /A

TEST COMMENTS:

After a good start to the season, this area turned dry just like much of NW Iowa. The moisture deficit impacted area bean crops during flowering as July and August brought less than 2.5" of total rainfall. Results of the drought varied widely but the Canisteo clay loam in the plot is tight, holds moisture well, and has relatively high OM%. These factors allowed for decent yields considering the hot and dry conditions faced this summer.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
CREDENZ	CZ 2760GTLL	LLGT27	2.7	R	70.2	9.6	0	134.0	663	1
KRUGER	K2X-2673	RRX	2.6	R	69.4	9.7	0	134.0	656	2
NK BRAND	S28-E3	E3	2.8	MR	68.3	9.8	0	133.3	645	3
LATHAM	L 2549 R2X	RRX	2.5	R	67.3	9.5	0	133.7	636	4
GOLDEN HARVEST	GH2788X	RRX	2.7	R	67.1	9.2	0	135.3	634	5
NK BRAND	S27-M8X §	RRX	2.7	R	65.8	9.2	0	135.7	622	6
LATHAM	L 2638 E3	E3	2.6	R	64.3	9.9	0	138.7	608	8
ASGROW	AG26X8 §	RRX	2.6	R	63.6	10.1	0	134.0	601	9
CREDENZ	CZ 2550GTLL	LLGT27	2.5	MR	63.0	9.5	0	137.7	595	10
HOEGEMEYER	2660 E	E3	2.6	R	63.0	9.6	1	137.7	595	11
GENESIS	G2550E	E3	2.5	R	62.7	9.1	0	135.3	593	12
ZINESTO	Z2501E	E3	2.5	R	62.4	9.7	0	135.0	590	13
STINE	26EB23 §	E3	2.6	R	62.3	9.9	0	137.3	589	14
STINE	27EC20 §	E3	2.7	R	62.0	9.8	0	139.3	586	15
RENK	RS250NX	RRX	2.5	R	61.2	9.4	0	133.3	578	16
TITAN PRO	25E0	E3	2.5	R	60.2	9.9	0	135.3	569	17
PIONEER	P27A17X §	RRX	2.7	R	60.1	9.7	0	134.7	568	18
HEFTY	H25X8	RRX	2.5	MR	60.1	9.7	0	136.3	568	19
APEX	AE2610	E3	2.6	R	59.7	9.9	0	136.3	564	20
FS HISOY	HS 25E00	E3	2.5	R	59.3	9.1	0	136.3	560	21
CHANNEL	2519R2X GC	RRX	2.5	S	59.1	9.6	0	134.0	558	22
PIONEER	P25A04X GC	RRX	2.5	R	58.2	9.6	0	137.3	550	23
ZINESTO	Z2701E	E3	2.7	R	58.1	10.0	0	131.0	549	24
GOLDEN HARVEST	GH2552X	RRX	2.5	MR	57.9	9.4	0	136.3	547	25
HEFTY	H25X0	RRX	2.5	R	57.8	9.4	0	136.7	546	26
CREDENZ	CZ 2830GTLL	LLGT27	2.8	R	57.7	9.7	0	136.0	545	27
PIONEER	P25T09E GC	E3	2.5	R	57.1	10.1	0	136.0	540	28
CHANNEL	2820R2X GC	RRX	2.8	NA	56.5	9.5	0	133.7	534	29
KRUGER	K2X-2573	RRX	2.5	R	56.5	9.5	0	134.7	534	30
ASGROW	AG27X0 §	RRX	2.7	R	55.0	9.5	0	133.0	520	31
CROPLAN	CP2400X CK	RRX	2.4	R	64.4	10.0	0	135.7	609	7

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Averages = **59.3** **9.7** **0** **135.1** **561**

LSD (0.10) = 3.2 0.4 ns

LSD (0.25) = 1.7 0.2 ns

C.V. = 5.1

Historic yield: 63.2 bu/a, 5 yr(s)

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.02

Prices: GMO = \$9.45

Report Date: 10/02/2020

Revised: 10/02/2020

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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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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	LLGT27	R	2.0	PV,IL,OB
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
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	LLGT27	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	LLGT27	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	VF1,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	LLGT27	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	LLGT27	MR	2.5	PV,IL,OB
CREDENZ	CZ 2760GTLL	LLGT27	R	2.7	PV,IL,OB
CREDENZ	CZ 2830GTLL	LLGT27	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	LLGT27	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
LLGT27	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.