

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

2020 Soybeans Top 30 Harvest Report

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

Early-Season Test 1.9 - 2.4 Day CRM
S2020IANW03a

Top 30 of 42 For Gross Income
(Sorted by Yield)
Average of (3) Replications

PREV. CROP/HERB: Corn / Armezon, Surpass,
Atrazine

SOIL DESCRIPTION: Galva silty clay loam, well
drained, non-irrigated

SOIL CONDITION: very high P, very high K, 6.5 pH,
4.7% OM, 20.6 CEC

TILLAGE/CULTIVATION: No-Till

PEST MANAGEMENT: Prowl H2o, Authority, Mtz Df,
Mad Dog 5.6, Headline

Applied N-P-K (units): 0-0-0

SEEDED - RATE - ROW: May 12 144.0 /A 30" spacing

HARVESTED - STAND: Sep 30 129.3 /A

TEST COMMENTS:

This area has Galva silty clay loam soils with high OM% that tend to hold water very well. A dry growing season like this one really proved the value of these rich soils where drought conditions ensued from July through maturity. From 5/1 to 9/15 Tom's farm was 9.7" below the 30-yr average. In spite of this moisture deficit, plants were healthy through the season with very little disease pressure noted and no lodging at harvest.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
GOLDEN HARVEST	GH1915X §	RRX	1.9	R	68.9	10.2	0	130.0	651	1
NK BRAND	S23-G5X	RRX	2.3	MR	65.9	10.0	0	125.7	623	3
CREDENZ	CZ 2121GTLL	LLGT27	2.1	MR	65.5	10.5	0	128.0	619	4
FS HISOY	HS 24X80	RRX	2.4	R	65.3	9.9	0	127.3	617	5
HEFTY	H24X8	RRX	2.4	MR	64.9	10.4	0	130.7	613	6
FS HISOY	HS 21X90	RRX	2.1	R	64.8	9.9	0	130.0	612	7
RENK	RS248NX	RRX	2.4	R	64.6	10.2	0	132.0	610	8
CREDENZ	CZ 2360GTLL	LLGT27	2.3	MR	64.5	10.4	0	128.7	610	9
APEX	AE2110	E3	2.1	R	64.2	10.3	0	129.7	607	10
ZINESTO	Z2101G	LLGT27	2.1	R	63.9	10.2	0	128.0	604	11
KRUGER	K2X-2073	RRX	2.0	R	63.7	9.9	0	126.7	602	12
ZINESTO	Z2001E	E3	2.0	R	63.5	10.4	0	131.7	600	13
CROPLAN	CP2128X GC	RRX	2.1	R	63.5	10.1	0	129.3	600	14
GENESIS	G2190GL	LLGT27	2.1	R	63.4	10.3	0	129.0	599	15
LATHAM	L 2228 R2	RR2Y	2.2	R	63.0	10.1	0	126.0	595	16
GOLDEN HARVEST	GH2329X	RRX	2.3	MR	63.0	10.0	0	130.0	595	17
NK BRAND	S21-W8X §	RRX	2.1	R	62.9	10.1	0	129.0	594	18
STINE	19EC32 §	E3	1.9	R	62.6	10.4	0	131.3	592	19
HEFTY	H23X0	RRX	2.3	R	62.4	10.3	0	131.0	590	20
TITAN PRO	21E0	E3	2.1	R	62.3	10.1	0	127.7	589	21
LATHAM	L 2395 LLGT27	LLGT27	2.3	R	62.2	10.4	0	129.7	588	22
GENESIS	G2150E	E3	2.1	R	62.1	10.1	0	131.7	587	23
FS HISOY	HS 22X00	RRX	2.2	R	61.9	10.0	0	132.0	585	24
TITAN PRO	20E9	E3	2.0	R	61.8	10.3	0	131.7	584	25
APEX	AE1910	E3	1.9	R	61.3	10.1	0	128.7	579	26
LATHAM	L 2184 R2X	RRX	2.1	R	61.2	9.9	0	130.3	578	27
GENESIS	G1950E	E3	1.9	R	61.1	10.2	0	129.3	577	28
LOYAL	L2130E	E3	2.1	R	61.0	10.0	0	128.3	576	29
ZINESTO	Z2401E	E3	2.4	R	61.0	10.1	0	130.0	576	30
HEFTY	H23X9	RRX	2.3	MR	60.9	10.1	0	130.3	576	31
CROPLAN	CP2400X CK	RRX	2.4	R	67.1	10.2	0	130.3	634	2

Corey Rozenboom

Corey Rozenboom

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Averages = **62.1** **10.2** **0** **129.3** **587**

LSD (0.10) = 2.6 0.2 ns

LSD (0.25) = 1.4 0.1 ns

C.V. = 4.0

Historic yield: 60.7 bu/a, 16 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

† 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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Tom Andresen, Ida County, IA 51025

Full-Season Test	2.5 - 2.8 Day CRM S2020IANW03b
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Armezon, Surpass, Atrazine
SOIL DESCRIPTION:	Galva silty clay loam, well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 6.5 pH, 4.7% OM, 20.6 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Prowl H2o, Authority, Mtz Df, Mad Dog 5.6, Headline
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 12 144.0 /A 30" spacing
HARVESTED - STAND:	Sep 30 128.9 /A

TEST COMMENTS:

This area has Galva silty clay loam soils with high OM% that tend to hold water very well. A dry growing season like this one really proved the value of these rich soils where drought conditions ensued from July through maturity. From 5/1 to 9/15 Tom's farm was 9.7" below the 30-yr average. In spite of this moisture deficit, plants were healthy through the season with very little disease pressure noted and no lodging at harvest.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
CREDENZ	CZ 2830GTLL	LLGT27	2.8	R	67.7	10.6	0	130.0	640	1
NK BRAND	S27-M8X §	RRX	2.7	R	67.1	10.1	0	128.7	634	2
PIONEER	P27A17X §	RRX	2.7	R	67.0	10.2	0	127.7	633	3
KRUGER	K2X-2673	RRX	2.6	R	66.6	10.1	0	130.7	629	4
GOLDEN HARVEST	GH2788X	RRX	2.7	R	66.5	10.1	0	130.7	628	5
LATHAM	L 2839 LLGT27	LLGT27	2.8	R	66.4	12.4	0	125.7	627	6
PIONEER	P25T09E GC	E3	2.5	R	65.6	10.6	0	130.0	620	7
HOEGEMEYER	2660 E	E3	2.6	R	65.6	10.3	0	128.7	620	8
RENK	RS280NX	RRX	2.8	R	64.1	11.2	0	128.7	606	9
FS HISOY	HS 27X90	RRX	2.7	R	63.9	10.8	0	127.7	604	10
CHANNEL	2820R2X GC	RRX	2.8	NA	63.3	10.3	0	129.0	598	11
NK BRAND	S28-E3	E3	2.8	MR	62.9	10.4	0	125.7	594	12
STINE	27EC20 §	E3	2.7	R	62.8	10.7	0	128.7	593	13
CREDENZ	CZ 2760GTLL	LLGT27	2.7	R	62.7	11.0	0	131.0	593	14
FS HISOY	HS 28E90	E3	2.8	R	62.7	12.4	0	129.0	593	15
FS HISOY	HS 28X70	RRX	2.8	R	62.5	10.3	0	128.3	591	16
APEX	AE2800	E3	2.8	R	62.4	10.6	0	130.0	590	17
TITAN PRO	28E8	E3	2.8	R	62.2	10.6	0	130.3	588	18
CHANNEL	2519R2X GC	RRX	2.5	S	62.0	10.1	0	127.3	586	19
ASGROW	AG27X0 §	RRX	2.7	R	61.5	10.4	0	130.7	581	20
LATHAM	L 2638 E3	E3	2.6	R	60.5	10.8	0	128.0	572	21
STINE	26EB23 §	E3	2.6	R	60.1	10.5	0	131.0	568	22
GOLDEN HARVEST	GH2552X	RRX	2.5	MR	60.1	10.0	0	129.3	568	23
CREDENZ	CZ 2550GTLL	LLGT27	2.5	MR	59.8	10.2	0	128.0	565	25
TITAN PRO	25E0	E3	2.5	R	59.8	10.3	0	129.0	565	26
ASGROW	AG26X8 §	RRX	2.6	R	59.7	10.5	0	130.0	564	27
ASGROW	AG26X0 §	RRX	2.6	R	59.5	10.3	0	130.3	562	28
PIONEER	P28T14E GC	E3	2.8	R	59.4	11.1	0	131.3	561	29
HEFTY	H25X8	RRX	2.5	MR	59.4	10.1	0	129.7	561	30
LATHAM	L 2887 R2X	RRX	2.8	R	59.2	10.3	0	131.0	559	31
CROPLAN	CP2400X CK	RRX	2.4	R	59.9	10.4	0	128.3	566	24

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Averages = **61.1** **10.5** **0** **128.9** **577**

LSD (0.10) = 3.1 0.3 ns

LSD (0.25) = 1.6 0.2 ns

C.V. = 4.7

Historic yield: 60.7 bu/a, 16 yr(s)

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

Report Date: 10/01/2020

† 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 - 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	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	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.