

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

2020 Soybeans Top 30 Harvest Report

Iowa North [IANO] BRITT, IA
Donald Kirsch, Hancock County, IA 50483

Early-Season Test	1.7 - 2.1 Day CRM S2020IANO02a
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Balance Flex, Atrazine, Impact
SOIL DESCRIPTION:	Harcot loam, mod. well drained, non-irrigated
SOIL CONDITION:	very low P, medium K, 8.0 pH, 4.6% OM, 26.4 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Zidua Pro, Dual, Warrant
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 7 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 7 128.1 /A

TEST COMMENTS:

Spring conditions were ideal for a fast and furious planting season. Much of the planting progress was wrapping up in the area by the first week of May. After a couple of big shots of rain (1.7" 6/18 and 1.6" 7/9), the crop was caught up for moisture, plants were healthy, flowering well and set up for big yields. Mid-July through early Aug dried off without much relief except for 1" Aug 21 and a couple small showers beginning of Sept. The late rains came in time for later maturity varieties to take advantage and fill pods while earlier varieties had closed the factory for the season. This field ended 5.6" under the 30-yr average from 5/1 to 9/15.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
KRUGER	K2X-1681	RRX	1.7	R	68.6	10.2	0	129.3	648	1
GENESIS	G2190GL	LLGT27	2.1	R	67.9	10.2	0	131.3	642	2
HEFTY	H18X1	RRX	1.8	R	67.4	10.1	0	126.3	637	3
GOLDEN HARVEST	GH1638X §	RRX	1.6	MR	67.0	10.4	0	131.7	633	4
CROPLAN	CP2128X GC	RRX	2.1	R	66.5	10.3	0	125.7	628	5
KRUGER	K2X-1862	RRX	1.8	R	66.3	10.1	0	130.7	627	6
GOLDEN HARVEST	GH2041X	RRX	2.0	R	66.0	10.1	0	129.0	624	7
NUTECH	16N03E	E3	1.7	R	65.2	10.2	0	128.3	616	8
CREDENZ	CZ 2121GTLL	LLGT27	2.1	MR	65.1	10.3	0	125.3	615	9
GENESIS	G2150E	E3	2.1	R	65.0	10.2	0	125.0	614	10
CREDENZ	CZ 1850GTLL	LLGT27	1.8	MR	64.7	10.3	0	129.0	611	11
KRUGER	K2X-2073	RRX	2.0	R	64.6	10.1	0	123.3	610	12
ZINESTO	Z2001E	E3	2.0	R	64.4	10.1	0	132.7	609	13
CREDENZ	CZ 2040GTLL	LLGT27	2.0	R	64.2	10.0	0	128.3	607	14
APEX	AE2110	E3	2.1	R	63.6	10.3	0	132.0	601	15
LATHAM	L 2193 E3	E3	2.1	R	63.5	10.4	0	130.0	600	16
CREDENZ	CZ 1859GTLL	LLGT27	1.8	R	62.6	10.4	0	128.0	592	17
NK BRAND	S20-J5X	RRX	2.0	R	62.2	10.0	0	126.7	588	18
HEFTY	H18X8	RRX	1.8	MR	61.3	10.0	0	127.3	579	19
GOLDEN HARVEST	GH1915X	RRX	1.9	R	61.1	10.0	0	129.0	577	20
NK BRAND	S16-K2X	RRX	1.6	MR	60.8	10.2	0	132.7	575	21
FS HISOY	HS 19X90	RRX	1.9	R	60.8	10.2	0	129.0	575	22
STINE	21EA32 §	E3	2.1	R	60.4	10.5	0	129.7	571	23
FS HISOY	HS 21X90	RRX	2.1	R	60.1	10.2	0	130.7	568	24
TITAN PRO	21E0	E3	2.1	R	60.0	10.2	0	124.7	567	25
LATHAM	L 2184 R2X	RRX	2.1	R	59.6	10.1	0	131.0	563	26
P3 GENETICS	2119E	E3	1.9	R	58.8	10.1	0	125.3	556	27
CORNELIUS	CB18X80	RRX	1.8	R	58.8	10.1	0	129.0	556	28
GENESIS	G1950E	E3	1.9	R	58.5	10.0	0	124.0	553	29
LATHAM	L 2049 E3	E3	2.0	R	58.3	10.3	0	125.3	551	30
CROPLAN	CP2219X CK	RRX	2.1	R	57.0	10.2	0	125.7	539	36

Corey Rozenboom

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Averages = **59.5** **10.2** **0** **128.1** **563**

LSD (0.10) = 3.6 0.1 ns

LSD (0.25) = 1.9 0.1 ns

C.V. = 5.8

Historic yield: 65.1 bu/a, 1 yr(s)

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

Report Date: 10/08/2020

† 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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Iowa North [IANO] BRITT, IA

Donald Kirsch, Hancock County, IA 50483

Full-Season Test	2.2 - 2.5 Day CRM S2020IANO02b
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Balance Flex, Atrazine, Impact
SOIL DESCRIPTION:	Harcot loam, mod. well drained, non-irrigated
SOIL CONDITION:	very low P, medium K, 8.0 pH, 4.6% OM, 26.4 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Zidua Pro, Dual, Warrant
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 7 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 7 128.5 /A

TEST COMMENTS:

Spring conditions were ideal for a fast and furious planting season. Much of the planting progress was wrapping up in the area by the first week of May. After a couple of big shots of rain (1.7" 6/18 and 1.6" 7/9), the crop was caught up for moisture, plants were healthy, flowering well and set up for big yields. Mid-July through early Aug dried off without much relief except for 1" Aug 21 and a couple small showers beginning of Sept. The late rains came in time for later maturity varieties to take advantage and fill pods while earlier varieties had closed the factory for the season. This field ended 5.6" under the 30-yr average from 5/1 to 9/15.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
KRUGER	K2X-2283	RRX	2.2	R	74.5	10.5	0	129.3	704	1
CREDENZ	CZ 2550GTLL	LLGT27	2.5	MR	74.4	10.3	0	130.0	703	2
CREDENZ	CZ 2360GTLL	LLGT27	2.3	MR	72.3	10.2	0	126.3	683	3
RENK	RS248NX	RRX	2.4	R	71.1	10.5	0	129.0	672	4
LATHAM	L 2228 R2	RR2Y	2.2	R	70.6	10.1	0	129.3	667	5
FS HISOY	HS 22X00	RRX	2.2	R	68.8	10.2	0	126.0	650	6
GENESIS	G2550E	E3	2.5	R	68.2	10.4	0	128.3	644	7
PIONEER	P25A04X §	RRX	2.5	R	67.5	10.9	0	128.3	638	8
ASGROW	AG22X9 §	RRX	2.2	R	67.5	10.2	0	130.0	638	9
ZINESTO	Z2401E	E3	2.4	R	67.4	10.3	0	128.3	637	10
CREDENZ	CZ 2230GTLL	LLGT27	2.2	MR	67.3	10.0	0	130.0	636	11
NK BRAND	S25-V8X §	RRX	2.5	MR	66.9	10.3	0	123.7	632	12
GENESIS	G2350E	E3	2.3	R	66.7	10.3	0	130.7	630	13
NUTECH	22N02E	E3	2.2	R	66.6	10.4	0	127.3	629	14
NUTECH	24N02E	E3	2.4	R	66.2	10.2	0	124.3	626	15
CROPLAN	CP2400X GC	RRX	2.4	R	66.1	10.4	0	128.7	625	16
CORNELIUS	CB24X64	RRX	2.4	R	66.1	10.5	0	131.3	625	17
GOLDEN HARVEST	GH2329X	RRX	2.3	MR	66.0	10.0	0	131.3	624	18
GOLDEN HARVEST	GH2230X §	RRX	2.2	R	65.6	9.8	0	129.0	620	19
VIKING	2340KN	CONV	2.3	R	65.4	10.4	0	126.3	618	20
PIONEER	P22T86E §	E3	2.2	R	65.4	10.3	0	127.3	618	21
NUTECH	24N04E	E3	2.4	R	64.7	10.6	0	126.0	611	22
STINE	23EA32 §	E3	2.3	R	64.4	10.3	0	128.7	609	23
LATHAM	L 2295 R2X	RRX	2.2	R	64.4	9.9	0	129.7	609	24
NK BRAND	S23-G5X	RRX	2.3	MR	63.8	9.8	0	130.3	603	25
TITAN PRO	25E0	E3	2.5	R	63.7	10.8	0	127.7	602	26
STINE	24EA12 §	E3	2.4	R	63.4	10.4	0	128.3	599	27
APEX	AE2510	E3	2.5	R	63.2	10.5	0	126.7	597	28
TITAN PRO	22E8	E3	2.2	R	63.1	10.2	0	128.7	596	29
HEFTY	H23X9	RRX	2.3	MR	62.8	10.2	0	125.7	593	30
CROPLAN	CP2219X CK	RRX	2.1	R	57.1	10.2	0	130.0	540	40

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Averages = **64.2** **10.3** **0** **128.5** **607**

LSD (0.10) = 4.4 0.2 ns

LSD (0.25) = 2.3 0.1 ns

C.V. = 6.5

Historic yield: 65.1 bu/a, 1 yr(s)

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

Report Date: 10/08/2020

† 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 North [IANO]

Early-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
APEX	AE1710	E3	R	1.7	CMBV,SA
APEX	AE1910	E3	R	1.9	CMBV,SA
APEX	AE2110	E3	R	2.1	CMBV,SA
ASGROW	AG17X8 §	RRX	R	1.7	ACi,IL
ASGROW	AG20X9 §	RRX	R	2.0	ACi
CORNELIUS	CB18X80	RRX	R	1.8	PG+
CORNELIUS	CB20X22	RRX	R	2.0	PG+
CREDENZ	CZ 1850GTLL	LLGT27	MR	1.8	PV,IL,OB
CREDENZ	CZ 1859GTLL	LLGT27	R	1.8	PV,IL,OB
CREDENZ	CZ 2040GTLL	LLGT27	R	2.0	PV,IL,OB
CREDENZ	CZ 2121GTLL	LLGT27	MR	2.1	PV,IL,OB
CROPLAN	CP1960X GC	RRX	NA	1.9	Untreated
CROPLAN	CP2128X GC	RRX	R	2.1	W
CROPLAN	CP2219X CK	RRX	R	2.1	Untreated
FS HISOY	HS 18X70	RRX	R	1.8	ACi,SA,B-200
FS HISOY	HS 19X90	RRX	R	1.9	ACi,SA,B-200
FS HISOY	HS 21X90	RRX	R	2.1	ACi,SA,B-200
GENESIS	G1750E	E3	R	1.7	CMBV,SA
GENESIS	G1950E	E3	R	1.9	CMBV,SA
GENESIS	G2150E	E3	R	2.1	CMBV,SA
GENESIS	G2190GL	LLGT27	R	2.1	EcTC,SA
GOLDEN HARVEST	GH1638X §	RRX	MR	1.6	CMBV,SA
GOLDEN HARVEST	GH1915X	RRX	R	1.9	CMBV,SA
GOLDEN HARVEST	GH2041X	RRX	R	2.0	CMBV,SA
HEFTY	H17X9	RRX	MR	1.7	HCS
HEFTY	H18X1	RRX	R	1.8	HCS
HEFTY	H18X8	RRX	MR	1.8	HCS
KRUGER	K2X-1681	RRX	R	1.7	ACi,IL
KRUGER	K2X-1862	RRX	R	1.8	ACi,IL
KRUGER	K2X-2073	RRX	R	2.0	ACi,IL
LATHAM	L 1858 R2	RR2Y	R	1.8	SS+
LATHAM	L 2049 E3	E3	R	2.0	SS+
LATHAM	L 2184 R2X	RRX	R	2.1	SS+
LATHAM	L 2193 E3	E3	R	2.1	SS+
NK BRAND	S16-K2X	RRX	MR	1.6	CMBV,SA
NK BRAND	S20-J5X	RRX	R	2.0	CMBV,SA

Company/Brand	Brand/Product	Technology	RM	SCN	Seed Treat.
NK BRAND	S21-W8X	RRX	R	2.1	CMBV,SA
NUTECH	16N03E	E3	R	1.7	Lum,G,IL
NUTECH	20N03E	E3	R	2.0	Lum,G,IL
NUTECH	20N04E	E3	R	2.0	Lum,G,IL
P3 GENETICS	2119E	E3	R	1.9	PG+
P3 GENETICS	2121E	E3	R	2.1	PG+
PIONEER	P18A98X GC	RRX	R	1.8	Untreated
RENK	RS181NX	RRX	R	1.8	EcTC
STINE	21EA32 §	E3	R	2.1	VFI,SA
TITAN PRO	17E0	E3	R	1.7	SA,A,R,G
TITAN PRO	18E9	E3	R	1.8	SA,A,R,G
TITAN PRO	19E0	E3	R	1.9	SA,A,R,G
TITAN PRO	21E0	E3	R	2.1	SA,A,R,G
VIKING	2018N	CONV	MR	2.0	CMBV
VIKING	2155N	CONV	MR	2.1	CMBV
ZINESTO	Z1801E	E3	R	1.8	DST
ZINESTO	Z2001E	E3	R	2.0	DST
ZINESTO	Z2101E	E3	R	2.1	DST

2020 Soybeans - Iowa North [IANO]

Full-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
APEX	AE2310	E3	R	2.3	CMBV,SA
APEX	AE2510	E3	R	2.5	CMBV,SA
ASGROW	AG22X9 §	RRX	R	2.2	ACi,IL
CORNELIUS	CB24X64	RRX	R	2.4	PG+
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	CP2219X CK	RRX	R	2.1	Untreated
CROPLAN	CP2400X GC	RRX	R	2.4	Untreated
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	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
HEFTY	H23X0	RRX	R	2.3	HCS
HEFTY	H23X9	RRX	MR	2.3	HCS
HEFTY	H25X0	RRX	R	2.5	HCS
KRUGER	K2X-2283	RRX	R	2.2	ACi,IL
KRUGER	K2X-2573	RRX	R	2.5	ACi,IL
LATHAM	L 2228 R2	RR2Y	R	2.2	SS+
LATHAM	L 2295 R2X	RRX	R	2.2	SS+
LATHAM	L 2379 E3	E3	R	2.3	SS+
LATHAM	L 2549 R2X	RRX	R	2.5	SS+
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+
P3 GENETICS	2023E	E3	R	2.3	PG+
PIONEER	P22T86E §	E3	R	2.2	Untreated
PIONEER	P25A04X §	RRX	R	2.5	Lum
PIONEER	P25T09E §	E3	R	2.5	Untreated
RENK	RS248NX	RRX	R	2.4	EcTC,SA

Company/Brand	Brand/Product	Technology	RM	SCN	Seed Treat.
RENK	RS250NX	RRX	R	2.5	EcTC,SA
STINE	23EA32 §	E3	R	2.3	VFI,SA
STINE	24EA12 §	E3	R	2.4	VFI,SA
TITAN PRO	22E8	E3	R	2.2	SA,A,R,G
TITAN PRO	25E0	E3	R	2.5	SA,A,R,G
VIKING	2340KN	CONV	R	2.3	CMBV
VIKING	2418N	CONV	MR	2.4	CMBV
ZINESTO	Z2401E	E3	R	2.4	DST
ZINESTO	Z2501E	E3	R	2.5	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*

CONV	Conventional
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	CruiserMaxx Beans, Vibrance
CMBV,SA	Cruisermaxx, Vibrance, Saltro
DST	Dominance 2 ST
EcTC	Eclipse US Total Coverage Trio IM, N-Force
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Saltro
HCS	Hefty Complete Soybeans
Lum	Lumigen™
Lum,G,IL	Lumisena, Gaucho, 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)
W	Warden® CX

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