

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

2020 Soybeans Top 30 Harvest Report

Iowa North Central [IANC] MOORLAND, IA
Jeff Loehr, Webster County, IA 50566

Early-Season Test	2.1 - 2.5 Day CRM S2020IANC02a
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Resicore, Atrazine 4l
SOIL DESCRIPTION:	Nicollet clay loam, moderately drained, non-irrigated
SOIL CONDITION:	very high P, medium K, 6.3 pH, 4.9% OM, 21.1 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Zidua Pro, Roundup, Cadet, Targa
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 12 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 5 129.7 /A

TEST COMMENTS:

This area endured several weeks of drought that became more severe through the growing season. Already by July 1, the county was characterized as abnormally dry (D0 drought index). The summer weeks progressed without any real moisture to relieve parched soils and by mid-Sept, the severe drought (D2 drought index) had intensified. Jeff's farm ended 9.8" under the 30-yr average for this season 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
CORNELIUS	CB24X64	RRX	2.4	R	54.7	9.4	0	132.7	517	1
APEX	AE2110	E3	2.1	R	54.6	10.2	0	129.0	516	2
NK BRAND	S23-G5X	RRX	2.3	MR	54.3	9.4	0	130.7	513	3
FS HISOY	HS 22X00	RRX	2.2	R	53.8	10.1	0	128.0	508	4
GENESIS	G2150E	E3	2.1	R	53.2	10.1	0	132.0	503	5
NK BRAND	S25-V8X	RRX	2.5	MR	51.8	9.3	0	130.3	490	6
LATHAM	L 2184 R2X	RRX	2.1	R	51.6	10.0	0	130.3	488	7
GOLDEN HARVEST	GH2552X	RRX	2.5	MR	50.6	9.0	0	130.0	478	8
HEFTY	H23X0	RRX	2.3	R	50.4	9.5	0	131.3	476	9
LATHAM	L 2228 R2	RR2Y	2.2	R	49.6	9.7	0	132.0	469	10
ZINESTO	Z2501E	E3	2.5	R	49.5	9.8	0	133.3	468	11
STINE	21EA32 §	E3	2.1	R	49.2	9.9	0	128.7	465	12
TITAN PRO	21E0	E3	2.1	R	48.9	10.1	0	128.0	462	13
LATHAM	L 2549 R2X	RRX	2.5	R	48.9	9.4	0	127.3	462	14
TITAN PRO	25E0	E3	2.5	R	48.8	9.5	0	132.7	461	15
NUTECH	22N02E	E3	2.2	R	48.6	10.8	0	127.7	459	16
FS HISOY	HS 24X80	RRX	2.4	R	48.5	9.8	0	126.3	458	17
GOLDEN HARVEST	GH2329X	RRX	2.3	MR	48.5	9.7	0	129.7	458	18
ZINESTO	Z2401E	E3	2.4	R	48.3	9.9	0	128.7	456	19
NUTECH	24N04E	E3	2.4	R	48.0	9.5	0	131.0	454	20
RENK	RS248NX	RRX	2.4	R	47.9	9.8	0	131.3	453	21
CREDENZ	CZ 2121GTLL	LLGT27	2.1	MR	47.7	10.7	0	128.0	451	22
GENESIS	G2550E	E3	2.5	R	47.7	9.8	0	127.0	451	23
FS HISOY	HS 21X90	RRX	2.1	R	47.5	9.6	0	128.3	449	24
P3 GENETICS	1924E	E3	2.4	R	47.4	10.5	0	129.7	448	25
RENK	RS250NX	RRX	2.5	R	47.3	9.5	0	126.7	447	26
CREDENZ	CZ 2230GTLL	LLGT27	2.2	MR	47.2	9.7	0	129.3	446	27
KRUGER	K2X-2573	RRX	2.5	R	47.1	9.5	0	131.3	445	28
NK BRAND	S21-W8X §	RRX	2.1	R	46.8	10.5	0	132.0	442	29
GOLDEN HARVEST	GH2230X	RRX	2.2	R	46.4	9.7	0	128.0	438	30
CROPLAN	CP2400X CK	RRX	2.4	R	42.7	9.5	0	127.7	404	45

Corey Rozenboom

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Averages = **47.5** **9.9** **0** **129.7** **449**

LSD (0.10) = 3.5 0.5 ns

LSD (0.25) = 1.8 0.3 ns

C.V. = 7.0

Historic yield: 53.0 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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Iowa North Central [IANC] MOORLAND, IA
Jeff Loehr, Webster County, IA 50566

Full-Season Test	2.6 - 2.9 Day CRM S2020IANC02b
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Resicore, Atrazine 4l
SOIL DESCRIPTION:	Nicollet clay loam, moderately drained, non-irrigated
SOIL CONDITION:	very high P, medium K, 6.3 pH, 4.9% OM, 21.1 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Zidua Pro, Roundup, Cadet, Targa
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 12 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 5 129.6 /A

TEST COMMENTS:

This area endured several weeks of drought that became more severe through the growing season. Already by July 1, the county was characterized as abnormally dry (D0 drought index). The summer weeks progressed without any real moisture to relieve parched soils and by mid-Sept, the severe drought (D2 drought index) had intensified. Jeff's farm ended 9.8" under the 30-yr average for this season 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
ASGROW	AG27X0 GC	RRX	2.7	R	58.8	9.6	0	129.0	556	1
LATHAM	E 2995 LLGT27	LLGT27	2.9	R	55.7	9.9	0	132.0	526	2
GOLDEN HARVEST	GH2981X	RRX	2.9	R	55.2	9.9	0	129.3	522	3
KRUGER	K2X-2673	RRX	2.6	R	54.9	9.9	0	130.3	519	4
HOEGEMEYER	2660 E	E3	2.6	R	54.8	9.7	0	129.3	518	5
ASGROW	AG29X9 §	RRX	2.9	R	54.6	9.6	0	129.3	516	6
P3 GENETICS	1928E	E3	2.8	R	53.9	9.6	0	129.0	509	7
FS HISOY	HS 28E90	E3	2.8	R	53.8	10.8	0	129.3	508	8
APEX	AE2610	E3	2.6	R	53.7	10.1	0	133.3	507	9
RENK	RS280NX	RRX	2.8	R	53.5	10.0	0	131.3	506	10
GENESIS	G2840E	E3	2.8	R	53.3	10.0	0	128.3	504	11
HOEGEMEYER	2970 E	E3	2.9	R	53.1	11.3	0	128.0	502	12
ZINESTO	Z2900E	E3	2.9	R	52.9	10.3	0	127.7	500	13
HEFTY	H28X8	RRX	2.8	R	52.9	9.9	0	130.0	500	14
NK BRAND	S27-M8X	RRX	2.7	R	51.9	10.2	0	130.3	490	16
ASGROW	AG26X8 §	RRX	2.6	R	51.5	10.1	0	127.0	487	17
FS HISOY	HS 27X90	RRX	2.7	R	51.3	9.8	0	127.3	485	18
GOLDEN HARVEST	GH2788X §	RRX	2.7	R	51.0	9.9	0	129.7	482	19
CHANNEL	2820R2X GC	RRX	2.8	NA	50.9	9.9	0	126.3	481	20
KRUGER	K2X-2971	RRX	2.9	R	50.8	10.0	0	130.0	480	21
ASGROW	AG26X0 §	RRX	2.6	R	50.8	9.7	0	132.3	480	22
P3 GENETICS	2126E	E3	2.6	R	50.6	9.8	0	129.0	478	23
NUTECH	26N04E	E3	2.6	R	50.6	9.8	0	129.7	478	24
FS HISOY	HS 28X70	RRX	2.8	R	50.5	9.5	0	131.7	477	25
PIONEER	P28T14E §	E3	2.8	R	50.5	9.6	0	126.3	477	26
LATHAM	L 2682 R2X	RRX	2.6	R	50.4	9.7	0	131.7	476	27
APEX	AE2800	E3	2.8	R	49.9	10.4	0	128.7	472	28
STINE	27EC20 §	E3	2.7	R	49.6	9.8	0	132.0	469	29
CREDENZ	CZ 2760GTLL	LLGT27	2.7	R	49.5	9.4	0	131.0	468	30
LATHAM	L 2894 E3	E3	2.8	R	49.4	9.9	0	133.3	467	31
CROPLAN	CP2400X CK	RRX	2.4	R	52.8	10.1	0	128.0	499	15

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Averages = **51.1** **9.9** **0** **129.6** **483**

LSD (0.10) = 3.1 ns ns

LSD (0.25) = 1.6 ns ns

C.V. = 5.7

Historic yield: 53.0 bu/a, 8 yr(s)

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

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

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,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)

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