

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

2020 Soybeans Top 30 Harvest Report

Iowa North Central [IANC] WATERLOO, IA
Rottinghaus Farms, Rottinghaus Farms, Black Hawk County,
IA 50703

Early-Season Test	2.1 - 2.5 Day CRM S2020IANC04a
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Resicore, Atrazine
SOIL DESCRIPTION:	Readlyn loam, moderately drained, non-irrigated
SOIL CONDITION:	low P, medium K, 6.5 pH, 3.9% OM, 16.2 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Zidua Pro, Battlestar
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 11 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 7 127.6 /A

TEST COMMENTS:

Planting season was quick in Iowa and most soybeans in the area were in the ground during the first week of May, or earlier. A couple of 3+ in. rainstorms June 9 & 21 pounded this field but no ponding occurred in the plot. Canopy closure was very slow this season and some varieties never did close the rows. The overall yield performance among varieties of early versus later maturities was most apparent at this site. There is a nearly 7-bushel difference between the tests as reported here, generally favoring later maturity products.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NK BRAND	S23-G5X	RRX	2.3	MR	60.8	9.6	0	127.3	575	1
KRUGER	K2X-2573	RRX	2.5	R	59.4	9.7	0	128.3	561	2
GENESIS	G2190GL	LLGT27	2.1	R	57.6	10.5	0	127.3	544	3
APEX	AE2510	E3	2.5	R	57.1	10.2	0	124.3	540	5
GOLDEN HARVEST	GH2230X	RRX	2.2	R	56.9	9.5	0	125.7	538	6
GOLDEN HARVEST	GH2329X	RRX	2.3	MR	56.7	9.5	0	131.0	536	7
FS HISOY	HS 22X00	RRX	2.2	R	56.6	9.5	0	130.0	535	8
LATHAM	L 2228 R2	RR2Y	2.2	R	56.5	9.7	0	132.0	534	9
CREDENZ	CZ 2550GTLL	LLGT27	2.5	MR	56.4	9.8	0	127.3	533	10
TITAN PRO	25E0	E3	2.5	R	56.0	10.1	0	129.3	529	11
RENK	RS248NX	RRX	2.4	R	55.9	11.4	0	125.3	528	12
NK BRAND	S21-W8X §	RRX	2.1	R	55.8	9.6	0	128.0	527	13
NUTECH	24N04E	E3	2.4	R	55.6	10.3	0	126.7	525	14
GENESIS	G2350E	E3	2.3	R	55.6	10.2	0	125.0	525	15
ZINESTO	Z2501E	E3	2.5	R	55.3	9.9	0	129.3	523	16
STINE	21EA32 §	E3	2.1	R	55.1	10.5	0	127.0	521	17
FS HISOY	HS 24X80	RRX	2.4	R	54.7	10.0	0	127.7	517	18
RENK	RS250NX	RRX	2.5	R	54.4	9.7	0	128.0	514	19
PIONEER	P25A04X §	RRX	2.5	R	54.3	10.4	0	130.0	513	20
CREDENZ	CZ 2121GTLL	LLGT27	2.1	MR	54.2	10.2	0	126.0	512	21
CREDENZ	CZ 2360GTLL	LLGT27	2.3	MR	54.1	10.3	0	126.7	511	22
FS HISOY	HS 23X70	RRX	2.3	R	54.0	9.4	0	127.7	510	23
NK BRAND	S25-V8X	RRX	2.5	MR	53.6	9.9	0	123.3	507	24
HOEGEMEYER	2245 E	E3	2.2	R	53.6	10.2	0	127.7	507	25
CREDENZ	CZ 2230GTLL	LLGT27	2.2	MR	53.6	9.7	0	129.7	507	26
GENESIS	G2150E	E3	2.1	R	53.5	9.7	0	128.3	506	27
CORNELIUS	CB24X64	RRX	2.4	R	53.4	11.3	0	128.7	505	28
GOLDEN HARVEST	GH2552X	RRX	2.5	MR	53.2	9.9	0	126.7	503	29
STINE	23EA32 §	E3	2.3	R	53.1	10.6	0	125.7	502	30
APEX	AE2110	E3	2.1	R	52.9	9.8	0	128.7	500	31
CROPLAN	CP2400X CK	RRX	2.4	R	57.4	10.8	0	128.0	542	4

Corey Rozenboom

Corey Rozenboom

corey.rozenboom@firstseedtests.com, (319) 830-8886

Averages = **53.9** **10.1** **0** **127.6** **509**

LSD (0.10) = 2.3 0.2 ns

LSD (0.25) = 1.2 0.1 ns

C.V. = 4.1

Historic yield: 58.9 bu/a, 5 yr(s)

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

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

2020 Soybeans Top 30 Harvest Report

Iowa North Central [IANC] WATERLOO, IA
Rottinghaus Farms, Rottinghaus Farms, Black Hawk County,
IA 50703

Full-Season Test	2.6 - 2.9 Day CRM S2020IANC04b
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Resicore, Atrazine
SOIL DESCRIPTION:	Readlyn loam, moderately drained, non-irrigated
SOIL CONDITION:	low P, medium K, 6.5 pH, 3.9% OM, 16.2 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Zidua Pro, Battlestar
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 11 144.0 /A 30" spacing
HARVESTED - STAND:	Oct 7 128.4 /A

TEST COMMENTS:

Planting season was quick in Iowa and most soybeans in the area were in the ground during the first week of May, or earlier. A couple of 3+ in. rainstorms June 9 & 21 pounded this field but no ponding occurred in the plot. Canopy closure was very slow this season and some varieties never did close the rows. The overall yield performance among varieties of early versus later maturities was most apparent at this site. There is a nearly 7-bushel difference between the tests as reported here, generally favoring later maturity products.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
APEX	AE2800	E3	2.8	R	69.6	11.1	0	129.3	658	1
P3 GENETICS	1928E	E3	2.8	R	69.1	11.5	0	131.0	653	2
RENK	RS280NX	RRX	2.8	R	67.7	12.2	0	131.0	640	3
HEFTY	H28X8	RRX	2.8	R	67.5	10.5	0	127.7	638	4
ASGROW	AG27X0 GC	RRX	2.7	R	67.4	10.6	0	128.0	637	5
FS HISOY	HS 27X90	RRX	2.7	R	65.9	11.9	0	129.0	623	6
LATHAM	L 2894 E3	E3	2.8	R	64.9	11.0	0	131.0	613	7
HOEGEMEYER	2970 E	E3	2.9	R	64.7	14.2	0	126.7	610	8
GOLDEN HARVEST	GH2981X	RRX	2.9	R	64.3	12.0	0	128.3	608	9
CHANNEL	2820R2X GC	RRX	2.8	NA	63.8	9.9	0	128.7	603	10
KRUGER	K2X-2971	RRX	2.9	R	63.7	12.1	0	125.7	602	11
PIONEER	P27A17X §	RRX	2.7	R	63.6	10.5	0	129.7	601	12
TITAN PRO	28E8	E3	2.8	R	63.4	11.4	0	129.3	599	13
GENESIS	G2840E	E3	2.8	R	63.4	11.0	0	126.7	599	14
ASGROW	AG29X9 §	RRX	2.9	R	62.7	10.6	0	124.7	593	15
NK BRAND	S27-M8X	RRX	2.7	R	62.5	10.1	0	128.0	591	16
PIONEER	P28T14E §	E3	2.8	R	62.3	11.6	0	129.0	589	17
CORNELIUS	CB26X78	RRX	2.6	R	62.2	11.2	0	129.7	588	18
CORNELIUS	CB27X81	RRX	2.7	R	62.0	11.0	0	127.0	586	19
GOLDEN HARVEST	GH2788X §	RRX	2.7	R	61.6	10.5	0	129.7	582	20
HEFTY	H29X8	RRX	2.9	MR	61.3	12.1	0	132.7	579	21
LATHAM	E 2995 LLGT27	LLGT27	2.9	R	61.3	11.6	0	131.7	579	22
FS HISOY	HS 28E90	E3	2.8	R	60.9	12.5	0	126.7	576	23
ZINESTO	Z2900E	E3	2.9	R	60.6	13.4	0	125.7	572	24
NK BRAND	S28-E3 §	E3	2.8	MR	60.5	11.2	0	126.7	572	25
ASGROW	AG26X8 §	RRX	2.6	R	60.1	10.8	0	126.7	568	26
FS HISOY	HS 28X70	RRX	2.8	R	57.8	10.4	0	129.0	546	27
ASGROW	AG26X0 §	RRX	2.6	R	57.0	10.2	0	130.3	539	28
KRUGER	K2X-2673	RRX	2.6	R	56.8	9.9	0	127.7	537	29
ZINESTO	Z2701E	E3	2.7	R	56.7	10.9	0	122.3	536	31
CROPLAN	CP2400X CK	RRX	2.4	R	56.8	10.9	0	129.0	537	30

Corey Rozenboom

Corey Rozenboom

corey.rozenboom@firstseedtests.com, (319) 830-8886

Averages = **60.5** **11.2** **0** **128.4** **572**

LSD (0.10) = 3.4 0.4 ns

LSD (0.25) = 1.8 0.2 ns

C.V. = 5.3

Historic yield: 58.9 bu/a, 5 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.