

2020 Soybeans Top 30 Performance Summary for Iowa North [IANO]

Early-Season Test

1.7 - 2.1 Day CRM

S2020IANOa

Top 30 of 54

For Gross Income (Sorted by Yield), (12) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A ↓	Protein (%)	Oil (%)	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Britt	Lu Verne	New Hampton	Osage
KRUGER	K2X-1681	RRX	1.7	R	65.8			10.6	0	622	1	68.6	58.4	64.7	71.7
KRUGER	K2X-1862	RRX	1.8	R	64.7			10.2	0	611	2	66.3	62.3	63.7	66.4
FS HISOY	HS 21X90	RRX	2.1	R	64.0			10.5	0	605	3	60.1	63.9	61.8	70.3
HEFTY	H18X1	RRX	1.8	R	63.9			10.4	2	604	4	67.4	59.4	64.5	64.4
GENESIS	G2150E	E3	2.1	R	63.9			10.6	3	604	5	65.0	59.2	65.1	66.3
CROPLAN	CP2128X GC	RRX	2.1	R	63.7			10.6	1	601	6	66.5	56.5	64.8	66.8
ZINESTO	Z2001E	E3	2.0	R	63.4			10.2	0	599	7	64.4	61.3	65.6	62.3
GENESIS	G2190GL	LLGT27	2.1	R	63.2			10.5	0	598	8	67.9	55.2	65.7	64.1
NK BRAND	S20-J5X	RRX	2.0	R	62.7			10.1	0	593	9	62.2	63.4	63.8	61.6
CREDENZ	CZ 2121GTLL	LLGT27	2.1	MR	62.7			10.5	0	592	10	65.1	57.5	66.8	61.4
GOLDEN HARVEST	GH2041X	RRX	2.0	R	62.3			10.3	0	589	11	66.0	59.5	62.1	61.8
KRUGER	K2X-2073	RRX	2.0	R	62.3			10.4	0	589	12	64.6	56.5	62.7	65.3
APEX	AE2110	E3	2.1	R	61.8			10.6	0	584	13	63.6	60.9	60.0	62.7
GOLDEN HARVEST	GH1915X	RRX	1.9	R	61.2			10.2	0	578	14	61.1	59.3	64.3	60.1
LATHAM	L 1858 R2	RR2Y	1.8	R	61.1			10.3	0	578	15	56.6	60.5	62.5	64.8
APEX	AE1910	E3	1.9	R	60.8			10.5	0	574	16	56.5	60.0	62.0	64.5
P3 GENETICS	2121E	E3	2.1	R	60.7			10.5	0	573	17	56.7	57.6	63.8	64.6
HEFTY	H18X8	RRX	1.8	MR	60.3			10.4	0	570	18	61.3	61.7	59.5	58.8
CORNELIUS	CB18X80	RRX	1.8	R	60.3			10.3	0	569	19	58.8	59.7	61.3	61.2
ZINESTO	Z2101E	E3	2.1	R	60.0			10.7	0	567	20	50.9	60.9	65.9	62.3
APEX	AE1710	E3	1.7	R	60.0			10.2	0	567	21	54.7	60.3	60.6	64.4
LATHAM	L 2184 R2X	RRX	2.1	R	60.0			10.4	2	567	22	59.6	59.3	59.5	61.7
NUTECH	16N03E	E3	1.7	R	60.0			10.3	0	567	23	65.2	56.4	57.4	60.9
CREDENZ	CZ 2040GTLL	LLGT27	2.0	R	59.9			10.3	0	566	24	64.2	53.9	61.2	60.3
GOLDEN HARVEST	GH1638X §	RRX	1.6	MR	59.9			10.4	0	566	25	67.0	53.6	56.9	62.0
VIKING	2155N	CONV	2.1	MR	59.8			11.5	3	565	27	49.3	69.1	58.7	61.9
CORNELIUS	CB20X22	RRX	2.0	R	59.7			10.5	0	564	28	55.1	60.0	61.0	62.6
ASGROW	AG20X9 §	RRX	2.0	R	59.6			10.5	1	563	29	57.8	58.6	64.4	57.5
FS HISOY	HS 19X90	RRX	1.9	R	59.5			10.5	1	563	30	60.8	53.1	62.8	61.6
CROPLAN	CP1960X GC	RRX	1.9	NA	59.5			10.5	0	562	31	53.9	58.1	65.6	60.3
CROPLAN	CP2219X CK	RRX	2.1	R	59.8			10.8	0	565	26	57.0	56.5	60.7	65.0

<i>Corey Rozenboom</i>	Averages =	60.0	na	na	10.5	0	567	59.5	57.9	61.3	61.3
	LSD (0.10) =	3.2	na	na	0.3	ns		3.6	3.4	3.0	3.5
	LSD (0.25) =	1.7	na	na	0.1	ns		1.9	1.8	1.6	1.8

corey.rozenboom@firstseedtests.com, (319) 830-8886 Prev. years average yield for region: 56.9 bu/a, 18 yr(s)

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

† 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.

2020 Soybeans Top 30 Performance Summary for Iowa North [IANO]

Full-Season Test


2.2 - 2.5 Day CRM

S2020IANOb

Top 30 of 45

For Gross Income (Sorted by Yield), (12) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A ↓	Protein (%)	Oil (%)	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Britt	Lu Verne	New Hampton	Osage
KRUGER	K2X-2283	RRX	2.2	R	67.1			11.7	0	634	1	74.5	63.2	64.6	66.2
LATHAM	L 2228 R2	RR2Y	2.2	R	66.4			10.4	0	627	2	70.6	63.6	65.1	66.2
RENK	RS248NX	RRX	2.4	R	65.8			11.2	0	622	3	71.1	63.1	61.4	67.7
CREDENZ	CZ 2550GTLL	LLGT27	2.5	MR	65.7			10.9	2	621	4	74.4	57.3	66.1	65.0
GOLDEN HARVEST	GH2329X	RRX	2.3	MR	65.0			10.7	3	614	5	66.0	61.1	69.5	63.4
FS HISOY	HS 22X00	RRX	2.2	R	64.8			10.7	5	613	6	68.8	62.6	65.6	62.2
NUTECH	24N02E	E3	2.4	R	64.7			10.5	0	612	7	66.2	61.6	64.5	66.5
CREDENZ	CZ 2360GTLL	LLGT27	2.3	MR	64.7			10.4	0	611	8	72.3	65.2	59.8	61.3
GOLDEN HARVEST	GH2230X §	RRX	2.2	R	64.6			10.2	0	611	9	65.6	62.1	63.2	67.5
ASGROW	AG22X9 §	RRX	2.2	R	64.5			10.3	0	610	10	67.5	59.5	66.2	64.9
VIKING	2418N	CONV	2.4	MR	64.1			10.8	0	606	11	62.8	61.7	73.0	58.8
PIONEER	P25A04X §	RRX	2.5	R	64.1			13.1	0	604	12	67.5	60.8	60.2	67.6
NUTECH	22N02E	E3	2.2	R	63.7			10.5	0	602	13	66.6	63.4	61.2	63.6
LATHAM	L 2549 R2X	RRX	2.5	R	63.7			11.1	0	602	14	55.4	66.9	61.5	70.9
ZINESTO	Z2401E	E3	2.4	R	63.7			12.8	1	600	17	67.4	63.7	61.1	62.5
NK BRAND	S23-G5X	RRX	2.3	MR	63.6			10.1	5	601	15	63.8	61.1	65.6	63.9
NK BRAND	S25-V8X §	RRX	2.5	MR	63.6			12.0	2	601	16	66.9	56.7	63.3	67.5
CROPLAN	CP2400X GC	RRX	2.4	R	63.2			11.4	0	597	18	66.1	59.8	62.3	64.4
HEFTY	H23X0	RRX	2.3	R	63.1			10.7	0	596	19	61.5	59.6	63.0	68.2
APEX	AE2510	E3	2.5	R	63.1			13.0	0	594	21	63.2	64.3	65.7	59.1
FS HISOY	HS 24X80	RRX	2.4	R	62.9			10.8	0	595	20	55.5	63.2	63.0	70.0
CORNELIUS	CB24X64	RRX	2.4	R	62.5			11.4	0	591	22	66.1	59.2	62.1	62.7
GENESIS	G2550E	E3	2.5	R	62.5			12.8	0	590	23	68.2	63.3	55.0	63.7
HEFTY	H25X0	RRX	2.5	R	62.4			11.6	0	590	24	60.9	59.9	62.5	66.3
STINE	24EA12 §	E3	2.4	R	62.1			12.4	3	586	25	63.4	58.0	62.6	64.5
CREDENZ	CZ 2230GTLL	LLGT27	2.2	MR	61.9			10.3	3	585	26	67.3	54.4	65.4	60.6
STINE	23EA32 §	E3	2.3	R	61.9			10.8	0	585	27	64.4	60.0	64.8	58.4
TITAN PRO	22E8	E3	2.2	R	61.6			10.6	0	582	28	63.1	63.1	62.2	57.9
TITAN PRO	25E0	E3	2.5	R	61.7			13.3	3	581	29	63.7	65.9	57.5	59.5
LATHAM	L 2295 R2X	RRX	2.2	R	61.4			10.1	0	581	30	64.4	59.0	62.8	59.5
CROPLAN	CP2219X CK	RRX	2.1	R	60.0			10.7	0	567	39	57.1	56.3	61.5	65.2

	Averages = 62.3	na	na	11.2	1	589	64.2	60.4	62.1	62.6
	LSD (0.10) = 3.5	na	na	0.8	ns		4.4	3.1	2.9	3.2
	LSD (0.25) = 1.8	na	na	0.4	ns		2.3	1.6	1.5	1.7

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

Prev. years average yield for region: 56.9 bu/a, 18 yr(s)

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

† 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.

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.