

2021 Soybeans Top 30 Performance Summary for Iowa North [IANO]



Early-Season Test

1.7 - 2.1 Day CRM

S2021IANOa

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	Lu Verne	New Hampton	Osage	Ventura
FEDERAL	F2121N ↗	LLGT27	2.1	R	71.4			12.1	2	892	1	69.3	72.9	70.8	72.5
GENESIS	G2190GL ↗	LLGT27	2.1	R	70.0			12.1	6	875	2	64.7	74.5	68.1	72.8
CREDENZ	CZ 2121GTLL ↗	LLGT27	2.1	MR	69.6			12.0	4	871	3	67.4	75.7	65.9	69.6
ZINESTO	Z1902E ↗	E3	1.9	NA	69.5			12.1	6	868	4	65.5	74.0	66.9	71.4
APEX	AE1720 ↗	E3	1.7	R	67.1			12.4	15	839	5	67.6	64.7	70.5	65.7
ZINESTO	Z1702E ↗	E3	1.7	NA	66.7			12.5	23	833	6	58.2	77.1	62.0	69.3
HEFTY	H18XF2 ↗	RXF	1.8	NA	66.1			12.0	9	826	7	59.5	76.0	63.6	65.3
GENESIS	G1760E ↗	E3	1.7	R	66.1			12.4	30	826	8	60.3	72.5	60.3	71.3
HEFTY	H20XF1 ↗	RXF	2.0	NA	65.9			12.3	2	824	9	65.5	72.2	61.1	64.9
FS HISOY	21E00 ↗	E3	2.1	R	65.5			11.8	11	818	11	61.5	68.4	57.0	74.9
P3 GENETICS	2218E ↗	E3	1.8	R	65.1			12.3	14	814	12	59.1	71.0	63.9	66.4
XITAVO	XO 1971E ↗	E3	1.9	R	65.0			11.8	11	813	13	62.9	69.2	60.5	67.6
NUTECH	21N06E ↗	E3	2.1	R	64.9			11.8	0	812	14	64.2	60.5	67.4	67.6
LATHAM	L 2184 R2X ↗	RRX	2.1	R	64.9			11.9	22	811	15	62.9	67.5	61.6	67.4
P3 GENETICS	2220E ↗	E3	2.0	R	64.3			12.1	23	804	17	66.9	67.1	54.0	69.3
LATHAM	L 2049 E3 ↗	E3	2.0	R	64.3			11.8	12	804	16	67.1	63.4	59.5	67.3
GOLDEN HARVEST	GH1802E3 ↗	E3	1.8	R	64.3			11.9	10	804	18	65.7	64.8	63.2	63.5
ASGROW	AG18XF1 § ↗	RXF	1.8	R	64.2			12.2	19	802	19	61.9	66.7	64.3	63.7
HEFTY	H21XF2 ↗	RXF	2.1	NA	64.1			12.0	32	801	21	65.3	69.5	55.4	66.2
FS HISOY	19F10 ↗	RXF	1.9	R	64.1			12.0	30	802	20	60.6	70.0	59.8	66.0
ZINESTO	Z2002E ↗	E3	2.0	NA	64.1			12.1	8	801	22	62.0	66.3	59.8	68.2
NUTECH	20N04E ↗	E3	2.0	R	63.7			12.0	23	795	23	60.2	67.5	57.8	69.0
ASGROW	AG21XF0 § ↗	RXF	2.1	R	63.6			12.2	9	795	24	66.7	64.4	57.9	65.3
XITAVO	XO 1761E ↗	E3	1.7	R	63.5			11.7	10	794	25	62.0	73.7	57.4	60.8
RENK	RS219NX ↗	RRX	2.1	R	63.3			11.9	9	791	26	60.8	68.0	56.3	68.1
VIKING	2155N ↗	CONV	2.1	MR	63.3			12.7	30	791	27	57.5	64.2	64.1	67.3
HEFTY	H17XF1 ↗	RXF	1.7	NA	63.3			12.0	13	791	28	60.1	65.6	61.8	65.5
NK BRAND	S18-H3X GC ↗	RRX	1.8	R	63.2			12.0	19	790	29	61.2	65.3	62.7	63.5
GOLDEN HARVEST	GH2102XF § ↗	RXF	2.1	MR	63.0			11.8	33	788	30	63.2	65.7	52.6	70.5
VIKING	2018N ↗	CONV	2.0	MR	62.7			12.1	6	784	31	60.3	67.4	58.2	64.8
CROPLAN	CP2200X CK	RRX	2.2	R	65.9			11.8	24	824	10	61.1	74.0	59.4	69.1

Corey Rozenboom

Averages = 63.3 na na 12.0 16 791 61.0 67.1 58.7 66.2

LSD (0.10) = 3.4 na na 0.1 12 3.5 5.2 4.2 3.9

Corey Rozenboom

LSD (0.25) = 1.8 na na 0.1 6 1.9 2.7 2.2 2.0

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

Prev. years average yield for region: 56.28 bu/a, 19 yr(s)

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.02

Prices: GMO = \$12.50; non-GMO = \$12.50

† 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. ↗ New! Links to full product yield results at www.firstseedtests.com

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Report Date: 10/17/2021

2021 Soybeans Top 30 Performance Summary for Iowa North [IANO]



Full-Season Test

2.2 - 2.5 Day CRM

S2021IANOb

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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	Lu Verne	New Hampton	Osage	Ventura
P3 GENETICS	2223E ↗	E3	2.3	R	72.4			12.1	2	905	1	65.5	77.3	69.7	77.2
HEFTY	H25X0 ↗	RRX	2.5	R	71.6			11.8	0	895	2	68.9	77.6	63.7	76.2
FS HISOY	25E00 ↗	E3	2.5	R	71.3			11.9	4	891	3	62.4	81.0	64.1	77.6
LATHAM	L 2549 R2X ↗	RRX	2.5	R	70.4			11.7	0	880	4	68.4	75.5	63.4	74.4
KRUGER	K2294XF ↗	RXF	2.2	R	69.8			12.5	0	872	5	69.4	71.9	62.7	75.1
RENK	RS248NX ↗	RRX	2.4	R	69.7			12.3	0	870	6	65.8	77.1	61.1	74.6
LATHAM	L 2458 E3 ↗	E3	2.4	R	69.3			12.1	3	867	7	66.3	72.0	66.9	72.1
KRUGER	K2594XF ↗	RXF	2.5	R	69.1			12.3	0	864	8	67.1	73.5	62.8	73.0
FS HISOY	23E10 ↗	E3	2.3	R	69.0			12.0	3	862	9	68.0	71.3	62.6	73.9
XITAVO	XO 2501E ↗	E3	2.5	R	68.7			11.9	1	858	10	68.1	71.9	60.1	74.5
NK BRAND	NK22-C4E3 ↗	E3	2.2	R	68.4			11.8	0	855	11	66.5	70.3	65.6	71.3
ZINESTO	Z2302SE ↗	E3,ST	2.3	NA	68.3			12.2	3	854	12	62.8	70.4	65.1	74.9
CORNELIUS	CB23XF63 ↗	RXF	2.3	R	68.3			12.1	3	853	13	62.6	76.4	60.5	73.6
GENESIS	G2550E ↗	E3	2.5	R	68.3			11.8	7	853	14	61.1	75.8	61.8	74.3
LOYAL	L2530E ↗	E3	2.5	R	68.3			11.8	9	853	15	64.9	71.2	59.5	77.4
APEX	AE2420S ↗	E3,ST	2.4	R	68.2			12.1	1	853	16	63.8	69.1	64.4	75.6
GOLDEN HARVEST	GH2292E3 ↗	E3	2.2	MR	67.7			11.7	0	847	17	63.5	71.0	65.7	70.8
ZINESTO	Z2401E ↗	E3	2.4	R	67.5			11.8	5	843	18	65.2	69.6	60.6	74.4
GENESIS	G2460ES ↗	E3,ST	2.4	R	67.5			12.1	2	843	19	64.6	69.1	67.4	68.8
VIKING	2418N ↗	CONV	2.4	MR	67.3			11.8	5	841	20	61.0	74.0	60.6	73.5
ASGROW	AG24XF1 § ↗	RXF	2.4	R	67.2			12.3	0	840	21	67.0	66.3	64.9	70.7
ZINESTO	Z2202E ↗	E3	2.2	NA	67.1			11.9	0	838	22	57.1	73.5	64.7	72.9
LATHAM	L 2494 XF ↗	RXF	2.4	R	67.0			12.4	0	838	23	62.9	73.0	59.4	72.9
FS HISOY	23F10 ↗	RXF	2.3	R	66.6			12.3	5	832	24	65.5	67.1	61.3	72.3
NUTECH	22N02E ↗	E3	2.2	R	66.4			11.9	13	830	25	60.4	74.5	58.5	72.1
P3 GENETICS	2222E ↗	E3	2.2	R	66.4			11.8	1	829	26	61.9	71.3	64.0	68.2
GENESIS	G2260E ↗	E3	2.2	R	66.2			11.8	0	828	27	57.6	69.3	63.1	75.0
KRUGER	K2391XF ↗	RXF	2.3	R	66.2			12.4	1	827	29	64.2	67.4	60.3	72.7
FS HISOY	24F00 ↗	RXF	2.4	R	66.0			12.3	0	826	30	61.7	75.7	57.1	69.7
GOLDEN HARVEST	GH2562XF § ↗	RXF	2.5	R	66.0			11.8	18	825	31	62.6	71.6	58.8	71.1
CROPLAN	CP2200X CK	RRX	2.2	R	66.2			12.0	14	828	28	61.6	72.7	59.2	71.3

	Averages =	66.4	na	na	12.0	4	830	62.5	70.9	60.9	71.4
	LSD (0.10) =	2.7	na	na	0.1	7		3.6	4.2	3.3	3.9
	LSD (0.25) =	1.4	na	na	0.1	4		1.9	2.2	1.7	2.1

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

Prev. years average yield for region: 56.28 bu/a, 19 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$12.50; non-GMO = \$12.50

† 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. ↗ New! Links to full product yield results at www.firstseedtests.com

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Report Date: 10/17/2021

2021 Soybeans - Iowa North [IANO]

Early-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE1720	E3	R	1.7	CMBV,SA
Apex	AE2020	E3	R	2.0	CMBV,SA
Apex	AE2110	E3	R	2.1	CMBV,SA
Asgrow	AG18XF1 §	RXF	R	1.8	Untreated
Asgrow	AG21XF0 §	RXF	R	2.1	ACi,IL
Benson Hill	E1958	CONV	MR	1.9	Untreated
Cornelius	CB20XF71	RXF	R	2.0	PG+
Cornelius	CB21X55	RRX	R	2.1	PG+
Credenz	CZ 2121GTLL	LLGT27	MR	2.1	PV,IL,OB
Croplan	CP2200X CK	RRX	R	2.2	Untreated
Federal	F2121N	LLGT27	R	2.1	MAG
FS HiSOY	19F10	RXF	R	1.9	ACi,B-200
FS HiSOY	21E00	E3	R	2.1	ACi,B-200
FS HiSOY	21F00	RXF	R	2.1	ACi,B-200
Genesis	G1760E	E3	R	1.7	CMBV,SA
Genesis	G1960E	E3	R	1.9	CMBV,SA
Genesis	G2060E	E3	R	2.0	CMBV,SA
Genesis	G2190GL	LLGT27	R	2.1	CMBV,SA
Golden Harvest	GH1802E3	E3	R	1.8	CMBV,SA
Golden Harvest	GH2102XF §	RXF	MR	2.1	CMBV,SA
Hefty	H17XF1	RXF	NA	1.7	DST4,SA
Hefty	H18XF2	RXF	NA	1.8	DST4,SA
Hefty	H20XF1	RXF	NA	2.0	DST4,SA
Hefty	H21XF2	RXF	NA	2.1	DST4,SA
Kruger	K2084XF	RXF	R	2.0	ACi,IL
Latham	L 1784 XF	RXF	R	1.7	SS+,SA
Latham	L 2049 E3	E3	R	2.0	SS+,SA
Latham	L 2184 R2X	RRX	R	2.1	SS+,SA
Latham	L 2193 E3	E3	R	2.1	SS+,SA
Loyal	L2130E	E3	R	2.1	CMBV,SA
NK Brand	NK19-C8XF	RXF	R	1.9	CMBV,SA
NK Brand	NK21-H4XF §	RXF	MR	2.1	CMBV,SA
NK Brand	S18-H3X GC	RRX	R	1.8	CMBV,SA
NK Brand	S19-2E3 GC	E3	R	1.9	Untreated
NuTech	18N02E	E3	R	1.8	Lum,Lu,IL
NuTech	20N04E	E3	R	2.0	Lum,Lu,IL
NuTech	21N06E	E3	R	2.1	Lum,Lu,IL
P3 Genetics	2218E	E3	R	1.8	PG+
P3 Genetics	2220E	E3	R	2.0	PG+
Pioneer	P18A98X §	RRX	R	1.8	Lum,Lu
Pioneer	P21A28X §	RRX	R	2.1	Lum,Lu,IL
Renk	RS212NXF	RXF	R	2.1	EcTC,SA

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Renk	RS219NX	RRX	R	2.1	EcTC,SA
Stine	21EE62 §	E3	R	2.1	SFI
Viking	1940KN	CONV	R	1.9	CMB
Viking	2018N	CONV	MR	2.0	CMB
Viking	2155N	CONV	MR	2.1	CMB
Xitavo	XO 1761E	E3	R	1.7	PV,IL,OB
Xitavo	XO 1971E	E3	R	1.9	PV,IL,OB
Xitavo	XO 2181E	E3	R	2.1	PV,IL,OB
Zinesto	Z1702E	E3	NA	1.7	DST4,SA
Zinesto	Z1802E	E3	NA	1.8	DST4,SA
Zinesto	Z1902E	E3	NA	1.9	DST5
Zinesto	Z2002E	E3	NA	2.0	DST4,SA

* FIRST does not inspect products for refuge blend. N* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

2021 Soybeans - Iowa North [IANO]

Full-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE2220	E3	R	2.2	CMBV,SA
Apex	AE2420S	E3,ST	R	2.4	CMBV,SA
Asgrow	AG24XF1 §	RXF	R	2.4	ACi,IL
Benson Hill	E2358	CONV	MR	2.3	Untreated
Cornelius	CB22XF02	RXF	R	2.2	PG+
Cornelius	CB23XF63	RXF	R	2.3	PG+
Credenz	CZ 2360GTLL	LLGT27	MR	2.3	PV,IL,OB
Credenz	CZ 2550GTLL	LLGT27	MR	2.5	PV,IL,OB
Croplan	CP2200X CK	RRX	R	2.2	Untreated
FS HiSOY	23E10	E3	R	2.3	ACi,SA,B-200
FS HiSOY	23F10	RXF	R	2.3	ACi,B-200
FS HiSOY	24F00	RXF	R	2.4	ACi,B-200
FS HiSOY	25E00	E3	R	2.5	ACi,B-200
Genesis	G2260E	E3	R	2.2	CMBV,SA
Genesis	G2460ES	E3,ST	R	2.4	CMBV,SA
Genesis	G2550E	E3	R	2.5	CMBV,SA
Golden Harvest	GH2292E3	E3	MR	2.2	CMBV,SA
Golden Harvest	GH2562XF §	RXF	R	2.5	CMBV,SA
Hefty	H23XF1	RXF	NA	2.3	DST4,SA
Hefty	H24XF2	RXF	NA	2.4	DST4,SA
Hefty	H25X0	RRX	R	2.5	DST4,SA
Hefty	H25XF1	RXF	NA	2.5	DST4,SA
Kruger	K2294XF	RXF	R	2.2	ACi,IL
Kruger	K2391XF	RXF	R	2.3	ACi,IL
Kruger	K2594XF	RXF	R	2.5	ACi,IL
Latham	L 2379 E3	E3	R	2.3	SS+,SA
Latham	L 2458 E3	E3	R	2.4	SS+,SA
Latham	L 2494 XF	RXF	R	2.4	SS+,SA
Latham	L 2549 R2X	RRX	R	2.5	SS+,SA
Loyal	L2530E	E3	R	2.5	CMBV,SA
NK Brand	NK22-C4E3	E3	R	2.2	CMBV,SA
NK Brand	NK25-C9XF	RXF	MR	2.5	CMBV,SA
NuTech	22N02E	E3	R	2.2	Lum,Lu,IL
NuTech	24N04E	E3	R	2.4	Lum,Lu,IL
P3 Genetics	2222E	E3	R	2.2	PG+
P3 Genetics	2223E	E3	R	2.3	PG+
Renk	RS242NXF	RXF	R	2.4	EcTC,SA
Renk	RS248NX	RRX	R	2.4	EcTC,SA
Stine	24EE32 §	E3	R	2.4	SFI
Stine	25EB32 §	E3	R	2.5	SFI
Viking	2340KN	CONV	R	2.3	CMB
Viking	2418N	CONV	MR	2.4	CMB

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Viking	O.2244AT	CONV	MR	2.2	Vi,Ti
Xitavo	XO 2501E	E3	R	2.5	PV,IL,OB
Zinesto	Z2202E	E3	NA	2.2	DST4,SA
Zinesto	Z2300E	E3	R	2.3	DST4,SA
Zinesto	Z2302SE	E3,ST	NA	2.3	DST5
Zinesto	Z2401E	E3	R	2.4	DST4,SA

* FIRST does not inspect products for refuge blend. N* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

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®
RRX	Roundup Ready 2 Xtend®
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi,B-200	Acceleron® Standard Insecticide-Fungicide, B-200 SAT
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ACi,SA,B-200	Acceleron® Standard Insecticide-Fungicide, Saltro®, B-200 SAT
CMB	CruiserMaxx® Beans
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Saltro®
DST4,SA	Dominance 4 ST,Saltro®
DST5	Dominance 5 ST
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Saltro®
Lum,Lu	LumiGEN™, Lumisena™
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
MAG	Max Armor Guard (Federal Hybrids)
PG+	Profit Guard +
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SFI	Stine XP F&I
SS+,SA	SoyShield Plus, Saltro®
Untreated	No seed treatment
Vi,Ti	Vibrance®, Trio

* Seed treatments may include unspecified plant health promoting components.