

2021 Soybeans Top 30 Performance Summary for Minnesota Central [MNCE]

Early-Season Test
Maturity Group 1.3 - 1.6
 S2021MNCEa

Top 30 of 42

For Gross Income (Sorted by Yield), (5) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A ↓	Protein (%)	Oil (%)	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Canby *	Lester Prairie	Loretto No Results	Starbuck REJECTED
XITAVO	XO 1372E ↗	E3	1.3	R	63.1			14.1	4	756	1	61.5	64.8		19.0
GOLDEN HARVEST	GH1472E3 § ↗	E3	1.4	R	61.1			13.9	2	732	2	61.8	60.3		18.3
ZINESTO	Z1502E ↗	E3	1.5	NA	60.8			14.3	11	727	3	70.0	51.5		16.8
GOLDEN HARVEST	GH1442XF ↗	RXF	1.4	MR	60.2			13.9	9	721	5	56.6	63.8		16.8
ZINESTO	Z1601E ↗	E3	1.6	R	60.2			14.1	1	722	4	47.8	72.7		16.8
CREDENZ	CZ 1660GTLL ↗	LLGT27	1.6	MR	59.9			14.4	1	717	6	54.7	65.1		16.8
DAIRYLAND	DSR-1450E ↗	E3	1.4	R	59.0			14.0	2	707	7	48.9	69.1		16.8
THUNDER	TX8215N ↗	RXF	1.5	R	57.8			14.1	24	692	8	48.2	67.4		16.8
GENESIS	G1340E ↗	E3	1.3	R	57.4			14.1	11	688	9	53.2	61.6		16.8
GENESIS	G1650E ↗	E3	1.6	R	57.2			14.0	1	685	10	48.0	66.4		16.8
LATHAM	L 1648 LLGT27 ↗	LLGT27	1.6	R	57.1			14.3	0	683	11	40.3	73.9		18.7
HEFTY	H14XF1 ↗	RXF	1.4	NA	56.1			14.1	9	673	12	59.3	53.0		16.8
LATHAM	L 1558 E3 ↗	E3	1.5	R	56.1			14.2	11	672	13	54.4	57.8		20.5
ASGROW	AG15XF2 § ↗	RXF	1.5	R	55.5			14.2	6	665	14	53.8	57.2		16.8
XITAVO	XO 1632E ↗	E3	1.6	R	55.1			14.0	5	660	15	53.0	57.2		16.8
NK BRAND	NK14-C7XF ↗	RXF	1.4	R	55.1			14.2	3	659	16	44.7	65.5		16.8
HEFTY	H15XF2 ↗	RXF	1.5	NA	55.1			14.2	11	659	17	51.4	58.7		18.6
LOYAL	L1230ES ↗	E3,ST	1.2	R	54.9			14.2	18	658	18	44.4	65.5		16.8
APEX	AE1420 ↗	E3	1.4	R	54.6			14.1	2	654	19	52.7	56.6		16.8
GOLD COUNTRY	1609X ↗	RRX	1.6	R	54.1			14.2	1	648	20	47.7	60.5		16.8
DAIRYLAND	DSR-1673E ↗	E3	1.6	R	53.9			14.1	2	645	21	53.9	53.8		18.5
LOYAL	L1440E ↗	E3	1.4	R	53.6			14.2	3	642	22	47.9	59.4		16.8
THUNDER	SB8015N ↗	RRX	1.5	R	53.6			13.8	0	642	23	44.8	62.3		16.8
NK BRAND	NK14-W6E3 ↗	E3	1.4	MR	53.5			14.1	7	641	24	50.8	56.3		16.8
LATHAM	L 1429 LLGT27 ↗	LLGT27	1.4	R	53.5			14.3	8	640	25	40.7	66.2		16.8
GENESIS	G1460E ↗	E3	1.4	R	53.4			14.0	2	640	26	52.0	54.8		16.8
ZINESTO	Z1411E ↗	E3	1.4	R	52.5			14.2	10	629	27	47.6	57.5		16.8
DYNA-GRO	S15XF82 ↗	RXF	1.5	MR	52.4			14.3	15	627	28	43.6	61.2		16.8
XITAVO	XO 1451E ↗	E3	1.4	R	52.4			14.4	1	627	29	49.4	55.4		16.8
PIONEER	P16T58E § ↗	E3	1.6	R	52.4			14.0	4	627	30	49.0	55.7		18.5
PIONEER	P15A63X CK	RRX	1.5	NA	48.9			14.1	5	586	39	46.9	51.0		19.3
					Averages =	54.1	na	na	14.1	6	647	48.9	59.2		18.8
					LSD (0.10) =	ns	na	na	ns	ns		8.8	8.5		0.9
					LSD (0.25) =	ns	na	na	ns	ns		4.6	4.5		0.5

Lost to poor weed control
 No significant variety difference - drought stress

ed.dahle@firstseedtests.com, (507) 456-6624 Prev. years average yield for region: 51.52 bu/a, 18 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$12.00
 † 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 *There were 2 reps for the site.

2021 Soybeans Top 30 Performance Summary for Minnesota Central [MNCE]

Full-Season Test

Maturity Group 1.7 - 2.0

S2021MNCEb

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For Gross Income (Sorted by Yield), (6) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A ↓	Protein (%)	Oil (%)	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Canby	Lester Prairie	Loretto No Results	Starbuck REJECTED
GOLDEN HARVEST	GH1802E3 ↗	E3	1.8	R	71.3			14.5	8	853	1	81.9	60.7		18.5
GENESIS	G1760E ↗	E3	1.7	R	67.7			14.5	16	809	2	81.9	53.5		19.2
GENESIS	G1960E ↗	E3	1.9	R	65.4			14.6	26	782	3	80.3	50.6		18.8
THUNDER	TE7218N ↗	E3	1.8	R	64.6			14.4	14	773	4	59.5	69.7		18.8
DYNA-GRO	S17XF02 ↗	RXF	1.7	MR	64.1			14.4	3	766	5	59.2	68.9		18.8
NK BRAND	NK17-M2XF ↗	RXF	1.7	R	63.4			14.3	3	759	6	58.9	67.8		18.8
NK BRAND	NK18-J7E3 § ↗	E3	1.8	MR	62.1			14.1	6	744	7	64.9	59.3		18.8
LOYAL	L2040E ↗	E3	2.0	R	61.6			14.4	12	737	8	64.6	58.6		18.8
XITAVO	XO 1822E ↗	E3	1.8	R	61.0			14.3	19	730	9	60.9	61.0		18.8
ZINESTO	Z1702E ↗	E3	1.7	NA	60.4			14.5	23	723	10	66.3	54.6		20.2
APEX	AE1720 ↗	E3	1.7	R	59.5			14.5	18	711	11	63.8	55.1		18.8
ZINESTO	Z1802E ↗	E3	1.8	NA	59.2			14.7	26	707	12	61.4	56.9		18.8
DAHLMAN	1117E3N GC ↗	E3	1.7	R	58.9			14.5	1	704	13	55.0	62.7		18.8
FEDERAL	F1909N ↗	LLGT27	1.9	R	58.6			14.4	1	701	14	59.5	57.7		18.8
ZINESTO	Z1902E ↗	E3	1.9	NA	58.5			14.4	20	701	15	60.6	56.5		18.8
DAIRYLAND	DSR-1707E ↗	E3	1.7	R	58.5			14.4	3	700	16	62.0	55.0		18.8
HEFTY	H17XF1 ↗	RXF	1.7	NA	58.3			14.5	8	698	17	65.4	51.3		19.1
DYNA-GRO	S18EN52 ↗	E3	1.8	MR	58.2			14.5	15	696	18	60.6	55.8		18.8
XITAVO	XO 1761E ↗	E3	1.7	R	57.7			14.6	11	690	19	56.4	58.9		18.8
LATHAM	L 1784 XF ↗	RXF	1.7	R	57.4			14.6	2	686	21	62.9	51.8		18.8
DAHLMAN	7220XF GC ↗	RXF	2.0	NA	57.2			14.5	4	684	22	52.0	62.4		18.8
DYNA-GRO	S19EN21 ↗	E3	1.9	R	56.8			14.5	9	681	23	53.1	60.6		18.8
PIONEER	P18A33X § ↗	RRX	1.8	NA	56.8			14.4	6	680	24	57.6	56.0		18.8
GENESIS	G2060E ↗	E3	2.0	R	56.7			14.6	21	679	25	57.5	56.0		18.8
LATHAM	L 1948 R2X ↗	RRX	1.9	R	56.4			14.3	3	675	26	53.6	59.2		18.8
LG SEEDS	LGS2025XF GC ↗	RXF	2.0	R	56.0			14.7	2	671	27	56.0	56.1		18.8
LG SEEDS	LGS1769XF GC ↗	RXF	1.7	R	55.9			14.4	5	669	28	54.9	56.9		18.8
NK BRAND	NK19-C8XF ↗	RXF	1.9	R	55.9			14.9	44	668	29	58.8	53.0		18.8
APEX	AE2020 ↗	E3	2.0	R	55.8			14.6	32	667	30	61.7	49.8		18.8
DAIRYLAND	DSR-2040E ↗	E3	2.0	R	55.5			14.4	5	665	31	48.9	62.1		18.9
PIONEER	P15A63X CK	RRX	1.5	NA	57.5			14.6	20	688	20	51.6	63.4		18.8
					Averages =	56.9	na	na	14.9	15	680	58.1	55.3		18.9
					LSD (0.10) =	ns	na	na	ns	16		7.6	8.1		0.9
					LSD (0.25) =	ns	na	na	ns	8		4.0	4.3		0.5

Lost to poor weed control
No significant variety difference - drought stress

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Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$12.00

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2021 Soybeans - Minnesota Central [MNCE]

Early-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE1410	E3	R	1.4	CMBV,SA
Apex	AE1420	E3	R	1.4	CMBV,SA
Apex	AE1520	E3	R	1.5	CMBV,SA
Asgrow	AG15XF2 §	RXF	R	1.5	ACi,IL
Credenz	CZ 1331GTLL	LLGT27	R	1.3	PV,IL,OB
Credenz	CZ 1660GTLL	LLGT27	MR	1.6	PV,IL,OB
Dairyland	DSR-1318E	E3	R	1.3	Lum,IL
Dairyland	DSR-1450E	E3	R	1.4	Lum,IL
Dairyland	DSR-1673E	E3	R	1.6	Lum,IL
Dyna-Gro	S15XF82	RXF	MR	1.5	EQV,SA
Genesis	G1340E	E3	R	1.3	CMBV,SA
Genesis	G1460E	E3	R	1.4	CMBV,SA
Genesis	G1560E	E3	R	1.5	CMBV,SA
Genesis	G1650E	E3	R	1.6	CMBV,SA
Gold Country	1609X	RRX	R	1.6	ACi,IL
Golden Harvest	GH1442XF	RXF	MR	1.4	CMBV,SA
Golden Harvest	GH1472E3 §	E3	R	1.4	CMBV,SA
Hefty	H13XF1	RXF	NA	1.3	DST4,SA
Hefty	H14XF1	RXF	NA	1.4	DST4,SA
Hefty	H15XF2	RXF	NA	1.5	DST4,SA
Hefty	H16XF2	RXF	NA	1.6	DST4,SA
Latham	L 1383 XF	RXF	R	1.3	SS+,SA
Latham	L 1429 LLGT27	LLGT27	R	1.4	SS+,SA
Latham	L 1558 E3	E3	R	1.5	SS+,SA
Latham	L 1648 LLGT27	LLGT27	R	1.6	SS+
Loyal	L1230ES	E3,ST	R	1.2	CMBV,SA
Loyal	L1440E	E3	R	1.4	CMBV,SA
Loyal	L1540E	E3	R	1.5	CMBV,SA
NK Brand	NK14-C7XF	RXF	R	1.4	CMBV,SA
NK Brand	NK14-W6E3	E3	MR	1.4	CMBV,SA
Pioneer	P15A63X CK	RRX	NA	1.5	Untreated
Pioneer	P16T58E §	E3	R	1.6	Lum,Lu
Stine	14EE01 §	E3	MR	1.4	Treated
Thunder	SB8015N	RRX	R	1.5	AM
Thunder	TX8215N	RXF	R	1.5	AM
Xitavo	XO 1372E	E3	R	1.3	PV,IL,OB
Xitavo	XO 1451E	E3	R	1.4	PV,IL,OB
Xitavo	XO 1632E	E3	R	1.6	PV,IL,OB
Zinesto	Z1302E	E3	NA	1.3	DST4,SA
Zinesto	Z1411E	E3	R	1.4	DST4,SA
Zinesto	Z1502E	E3	NA	1.5	DST4,SA
Zinesto	Z1601E	E3	R	1.6	DST4,SA

2021 Soybeans - Minnesota Central [MNCE]

Full-Season Test Products (54 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE1720	E3	R	1.7	CMBV,SA
Apex	AE1920	E3	R	1.9	CMBV,SA
Apex	AE1930	E3	R	1.9	CMBV,SA
Apex	AE2020	E3	R	2.0	CMBV,SA
Asgrow	AG18XF1 §	RXF	R	1.8	Untreated
Asgrow	AG20XF1 §	RXF	R	2.0	ACi,IL
Dahlman	1117E3N GC	E3	R	1.7	IS
Dahlman	7220XF GC	RXF	NA	2.0	IS
Dairyland	DSR-1707E	E3	R	1.7	Lum,IL
Dairyland	DSR-1820E	E3	R	1.8	Lum,IL
Dairyland	DSR-2030E	E3	R	1.9	Lum,IL
Dairyland	DSR-2040E	E3	R	2.0	Lum,IL
Dyna-Gro	S17XF02	RXF	MR	1.7	EQV,SA
Dyna-Gro	S18EN52	E3	MR	1.8	EQV,SA
Dyna-Gro	S19EN21	E3	R	1.9	EQV,SA
Federal	F1909N	LLGT27	R	1.9	MAG
Federal	F1920N	RXF	R	1.9	MAG
Genesis	G1760E	E3	R	1.7	CMBV,SA
Genesis	G1960E	E3	R	1.9	CMBV,SA
Genesis	G1970E	E3	R	1.9	CMBV,SA
Genesis	G2060E	E3	R	2.0	CMBV,SA
Golden Harvest	GH1762XF §	RXF	MR	1.7	CMBV,SA
Golden Harvest	GH1802E3	E3	R	1.8	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	H20XF2	RXF	NA	2.0	DST4,SA
Latham	L 1784 XF	RXF	R	1.7	SS+,SA
Latham	L 1948 R2X	RRX	R	1.9	SS+,SA
Latham	L 1995 E3	E3	R	1.9	SS+,SA
Latham	L 2049 E3	E3	R	2.0	SS+,SA
LG Seeds	LGS1769XF GC	RXF	R	1.7	ACi,SA
LG Seeds	LGS2025XF GC	RXF	R	2.0	ACi,SA
Loyal	L1740E	E3	R	1.7	CMBV,SA
Loyal	L1940E	E3	R	1.9	CMBV,SA
Loyal	L1950E	E3	R	1.9	CMBV,SA
Loyal	L2040E	E3	R	2.0	CMBV,SA
NK Brand	NK17-M2XF	RXF	R	1.7	CMBV,SA
NK Brand	NK18-J7E3 §	E3	MR	1.8	CMBV,SA
NK Brand	NK19-C8XF	RXF	R	1.9	CMBV,SA
Pioneer	P15A63X CK	RRX	NA	1.5	Untreated
Pioneer	P18A33X §	RRX	NA	1.8	Lum,Lu

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Pioneer	P20T64E §	E3	R	2.0	Lum,Lu
Stine	17EE32 §	E3	R	1.7	SFI
Stine	20EE23 §	E3	R	2.0	Untreated
Thunder	TE7218N	E3	R	1.8	AM
Thunder	TX8117N	RXF	R	1.7	AM
Thunder	TX8220N	RXF	R	2.0	AM
Xitavo	XO 1761E	E3	R	1.7	PV,IL,OB
Xitavo	XO 1822E	E3	R	1.8	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

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

Soybeans Seed Treatments*

NA	Not Available
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ACi,SA	Acceleron® Standard Insecticide-Fungicide, Saltro®
AM	ApronMaxx
CMBV,SA	Cruisemaxx® Beans, Vibrance®, Saltro®
DST4,SA	Dominance 4 ST,Saltro®
DST5	Dominance 5 ST
EQV,SA	Equity VIP, Saltro®
IS	Intego® Suite
Lum,IL	LumiGEN™ plus ILeVO
Lum,Lu	LumiGEN™, Lumisena™
MAG	Max Armor Guard (Federal Hybrids)
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SFI	Stine XP F&I
SS+	SoyShield Plus
SS+,SA	SoyShield Plus, Saltro®
Treated	Treated, unspecified
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.