

# 2023 Soybeans Top 30 Region Summary for Minnesota Central [MNCE]

**All-Season Test**  
**Maturity Group 1.3 - 2.0**  
S2023MNCE

**Top 30 of 52**

For Gross Income (Sorted by Yield), (9) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A ↓	Protein (%)	Oil (%)	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Buffalo	Canby REJECTED	Lester Prairie	Starbuck
APEX	AE1441 GC ↗	E3	1.4	R	59.9	<b>34.9</b>	18.9	13.9	3	779	1	68.4	50.8	<b>65.2</b>	<b>46.1</b>
DAIRYLAND	DSR-1505E ↗	E3	1.5	R	58.7	<b>35.4</b>	18.3	13.8	1	763	2	<b>72.1</b>	49.6	<b>68.9</b>	35.1
HEFTY	H16E4 ↗	E3	1.6	R	58.0	34.4	19.3	14.1	1	753	3	63.0	44.7	62.8	<b>48.1</b>
ZINESTO	Z1902E ↗	E3	1.9	NA	57.5	34.4	19.2	14.0	1	747	4	67.4	37.4	56.5	<b>48.6</b>
DAK-SOTA	DE5117 ↗	E3	1.7	R	56.5	34.2	19.2	14.1	1	734	5	<b>71.0</b>	49.6	61.1	37.4
STINE	20EG02 § ↗	E3	2.0	R	55.6	34.3	19.5	14.1	4	722	6	65.7	39.6	62.4	38.6
THUNDER	TX8215N ↗	RXF	1.5	R	55.5	34.4	18.4	14.0	2	721	7	<b>72.6</b>	41.1	58.5	35.4
XITAVO	XO 1761E ↗	E3	1.7	R	55.5	34.2	19.3	14.0	2	721	8	66.1	44.7	61.1	39.3
THUNDER	TX8313N ↗	RXF	1.3	R	55.2	<b>35.3</b>	18.4	13.9	1	718	9	<b>70.9</b>	44.7	57.7	37.1
THUNDER	TE7415N ↗	E3	1.5	R	54.7	34.3	19.3	14.0	1	712	10	67.3	49.6	49.7	<b>47.2</b>
ZINESTO	Z2002E ↗	E3	2.0	NA	54.7	34.4	19.4	14.1	5	711	11	55.1	53.9	<b>67.0</b>	42.0
DYNA-GRO	S14XF43 ↗	RXF	1.4	MR	54.5	<b>35.0</b>	18.6	13.9	2	709	12	<b>71.7</b>	49.6	62.0	29.9
ANDERSON	A203E3 ↗	E3	2.0	MR	54.4	34.4	19.2	14.0	0	707	13	62.0	46.7	<b>67.7</b>	33.4
XITAVO	XO 1822E ↗	E3	1.8	R	54.3	34.5	19.3	14.0	11	706	14	60.2	51.1	<b>65.2</b>	37.4
DAIRYLAND	DSR-1788E ↗	E3	1.7	R	53.9	<b>35.6</b>	19.3	14.3	4	701	15	62.9	59.6	59.6	39.3
GOLDEN HARVEST	GH2004XF ↗	RXF	2.0	MR	53.5	33.4	<b>19.7</b>	14.0	2	695	16	62.9	41.1	56.8	40.8
DYNA-GRO	S16EN42 ↗	E3	1.6	R	53.4	<b>35.3</b>	18.9	14.2	3	694	17	59.6	41.1	<b>65.9</b>	34.7
HEFTY	H18E3 ↗	E3	1.8	R	53.3	32.8	<b>19.9</b>	14.0	1	693	18	61.2	41.1	50.0	<b>48.6</b>
PIONEER	P13T47E § ↗	E3	1.3	NA	53.2	33.9	19.5	13.8	1	692	19	64.9	49.6	62.2	32.6
ASGROW	AG18XF1 § ↗	RXF	1.8	R	53.2	33.5	19.1	14.1	2	692	20	57.5	51.1	61.0	41.1
XITAVO	XO 1971E ↗	E3	1.9	R	53.0	33.6	19.1	14.0	3	688	21	57.4	39.9	64.5	37.0
ZINESTO	Z1502E ↗	E3	1.5	NA	52.9	34.6	19.2	14.2	2	687	22	54.8	41.1	<b>71.9</b>	31.9
ASGROW	AG16XF3 § ↗	RXF	1.6	R	52.9	34.4	18.8	14.0	2	687	23	58.6	39.9	60.5	39.5
ANDERSON	A151E3 ↗	E3	1.5	NA	52.7	<b>35.1</b>	18.9	14.2	2	685	24	60.9	39.9	62.7	34.5
DAK-SOTA	DE5319 ↗	E3	1.9	R	52.5	33.3	19.3	14.1	2	683	25	57.9	49.6	61.3	38.3
GOLDEN HARVEST	GH1323XF § ↗	RXF	1.3	R	52.5	<b>35.3</b>	18.7	13.8	0	682	26	64.6	41.1	58.0	34.8
DYNA-GRO	S20EN84 ↗	E3	2.0	R	52.3	33.1	<b>20.1</b>	14.1	2	679	27	64.5	39.2	54.0	38.3
PIONEER	P18A73E § ↗	E3	1.8	NA	52.2	34.1	19.5	14.0	2	679	28	60.5	36.2	53.9	42.3
GOLDEN HARVEST	GH1614E3 § ↗	E3	1.6	R	52.2	34.7	18.7	14.0	1	678	29	57.5	44.8	<b>66.2</b>	32.7
ZINESTO	Z1802E ↗	E3	1.8	NA	51.7	34.1	18.9	14.3	6	672	30	52.5	49.6	58.2	44.4
<b>Averages =</b>					<b>52.5</b>	<b>34.2</b>	<b>19.2</b>	<b>14.0</b>	<b>2</b>	<b>682</b>		<b>60.4</b>	<b>43.8</b>	<b>59.0</b>	<b>38.0</b>
LSD (0.10) =					ns	0.6	0.4	ns	3			8.7	9.5	5.8	6.7
LSD (0.25) =					ns	0.3	0.2	ns	2			4.5	5.0	3.0	3.5

Variability from IDC and drought stress

Ed Dahle  
ed.dahle@firstseedtests.com, (507) 456-6624

Prev. years average yield for region: 51.62 bu/a, 19 yr(s)

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.00 Prices: GMO = \$13.00

† 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. ↗ Links to product's results at www.firstseedtests.com. Oil & Protein values average of 1 sample per location. \* 2 reps for the site.

Additional reports available at [www.firstseedtests.com](http://www.firstseedtests.com) ©2023, All rights reserved to Farmers' Independent Research of Seed Technologies, LLC.

## 2023 Soybeans - Minnesota Central [ MNCE ]

### All-Season Test Products (52 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Anderson	A151E3	E3	NA	1.5	Untreated
Anderson	A172E3	E3	MR	1.7	Untreated
Anderson	A203E3	E3	MR	2.0	Untreated
Apex	AE1441 GC	E3	R	1.4	PU
Asgrow	AG16XF3 §	RXF	R	1.6	ACi,IL
Asgrow	AG18XF1 §	RXF	R	1.8	ACi,IL
Asgrow	AG19XF3 §	RXF	R	1.9	ACi,IL
Channel	1822RFX GC	RXF	MR	1.8	NA
Dairyland	DSR-1450E	E3,ST	R	1.4	Lum,Lu,IL
Dairyland	DSR-1505E	E3	R	1.5	Lum,Lu,IL
Dairyland	DSR-1788E	E3	R	1.7	Lum,Lu,IL
Dairyland	DSR-1919E	E3	R	1.9	Lum,Lu,IL
Dak-Sota	DE5117	E3	R	1.7	TFI
Dak-Sota	DE5215	E3	R	1.5	TFI
Dak-Sota	DE5319	E3	R	1.9	TFI
Dak-Sota	DE5414	E3	R	1.4	TFI
Dyna-Gro	S14XF43	RXF	MR	1.4	EQV,Sa,Va
Dyna-Gro	S16EN42	E3	R	1.6	EQV,Sa,Va
Dyna-Gro	S20EN84	E3	R	2.0	EQV,Sa,Va
Genesis	G1560E GC	E3	R	1.5	EcQ,NF,NH,SA
Golden Harvest	GH1323XF §	RXF	R	1.3	CMB-APX,SA
Golden Harvest	GH1614E3 §	E3	R	1.6	CMB-APX,SA
Golden Harvest	GH1973E3S §	E3,ST	R	1.9	CMB-APX,SA
Golden Harvest	GH2004XF	RXF	MR	2.0	CMB-APX,SA
Hefty	H16E4	E3	R	1.6	DST5
Hefty	H18E3	E3	R	1.8	DST5
Hefty	H20E3	E3	R	2.0	DST5
Pioneer	P13T47E §	E3	NA	1.3	Lum, LumT, IL
Pioneer	P18A73E §	E3	NA	1.8	Lum, LumT, IL
Pioneer	P19A66E §	E3	NA	1.9	Lum, LumT, IL
Stine	14EG32 §	E3	R	1.4	ACi
Stine	19EG92 §	E3	R	1.9	ACi
Stine	20EG02 §	E3	R	2.0	ACi
Thunder	TE7415N	E3	R	1.5	TFI
Thunder	TE7419N	E3	R	1.9	TFI
Thunder	TX8215N	RXF	R	1.5	TFI
Thunder	TX8313N	RXF	R	1.3	TFI
Thunder	TX8414N	RXF	R	1.4	TFI
Thunder	TX8417N	RXF	R	1.7	TFI
Xitavo	XO 1372E	E3,ST	R	1.3	PV,IL,OB,Rey
Xitavo	XO 1404E	E3	R	1.4	PV,IL,OB,Rey
Xitavo	XO 1632E	E3	R	1.6	PV,IL,OB,Rey

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Xitavo	XO 1761E	E3	R	1.7	PV,IL,OB,Rey
Xitavo	XO 1822E	E3	R	1.8	PV,IL,OB,Rey
Xitavo	XO 1971E	E3	R	1.9	PV,IL,OB,Rey
Zinesto	Z1304E	E3	R	1.3	DST5
Zinesto	Z1411E	E3	R	1.4	DST5
Zinesto	Z1502E	E3	NA	1.5	DST5
Zinesto	Z1603E	E3	R	1.6	DST5
Zinesto	Z1802E	E3	NA	1.8	DST5
Zinesto	Z1902E	E3	NA	1.9	DST5
Zinesto	Z2002E	E3	NA	2.0	DST5

## 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®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

---

### Soybeans Seed Treatments\*

---

NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
CMB-APX,SA	CruiserMaxx® APX with Saltro®
DST5	Dominance 5 ST
EcQ,NF,NH,SA	Eclipse US Total Quad-R, N-Force, N-Hibit, Saltro
EQV,Sa,Va	Equity VIP, Saltro®, Vayantis®
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PU	Protect Ultra
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
TFI	ThunderStruck F&I (Thunder Seed Inc.)
Untreated	No seed treatment

---

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