

# 2023 Soybeans Top 30 Region Summary for Minnesota South [MNSO]

**All-Season Test**  
**Maturity Group 1.6 - 2.3**  
 S2023MNSO

**Top 30 of 45**  
 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	Easton	Kasson	Lamberton	New Richland <b>REJECTED</b>
ZINESTO	Z1702E ↗	E3	1.7	NA	<b>58.3</b>			10.0	0	743	1	65.9	<b>50.8</b>	<b>58.2</b>	70.4
PIONEER	P19A37E § ↗	E3	1.9	NA	<b>56.9</b>			10.1	0	725	2	<b>68.2</b>	46.8	<b>55.6</b>	69.1
TITAN PRO	TP 22E23 ↗	E3	2.2	R	<b>56.7</b>			10.2	0	723	3	67.8	47.7	54.6	<b>70.6</b>
JACOBSEN	J1873E3 ↗	E3	1.8	R	56.3			10.0	0	717	4	67.7	<b>50.5</b>	50.6	67.7
STINE	17EE32 § ↗	E3	1.7	R	56.0			10.3	0	714	5	67.2	44.7	<b>56.1</b>	67.7
GOLDEN HARVEST	GH2292E3 § ↗	E3	2.2	MR	55.7			10.3	0	711	6	63.5	44.3	<b>59.4</b>	67.7
GENESIS	G1760E ↗	E3	1.7	R	55.2			10.3	0	704	7	66.1	45.9	53.6	67.7
DAIRYLAND	DSR-1919E ↗	E3	1.9	R	55.1			9.7	0	703	8	67.3	<b>49.7</b>	48.4	67.7
MUSTANG	23E824 ↗	E3	2.3	R	55.1			9.9	0	702	10	<b>68.6</b>	46.0	50.7	67.7
TITAN PRO	TP 18E22 ↗	E3	1.8	R	55.1			10.1	0	703	9	65.9	<b>49.3</b>	50.1	67.7
TITAN PRO	TP 20E22 ↗	E3	2.0	R	54.6			10.1	0	696	11	65.8	43.3	54.6	67.7
ZINESTO	Z1802E ↗	E3	1.8	NA	54.5			9.8	0	696	12	64.7	42.6	<b>56.4</b>	67.7
PIONEER	P19A66E § ↗	E3	1.9	NA	53.8			9.6	0	686	13	67.6	37.0	<b>56.7</b>	67.7
ZINESTO	Z2002E ↗	E3	2.0	NA	53.6			10.1	0	683	15	63.2	<b>49.2</b>	48.4	67.7
ASGROW	AG21XF2 § ↗	RXF	2.1	R	53.6			10.3	0	684	14	59.1	47.3	54.5	70.4
JACOBSEN	J1942E3 ↗	E3	1.9	R	53.4			10.4	0	681	16	62.9	41.5	<b>55.8</b>	70.4
ASGROW	AG18XF1 § ↗	RXF	1.8	R	53.3			10.2	0	679	18	62.3	43.2	54.3	70.4
XITAVO	XO 1822E ↗	E3	1.8	R	53.3			10.5	0	680	17	61.2	47.5	51.2	67.7
DAIRYLAND	DSR-2310E ↗	E3	2.3	R	53.1			10.4	0	678	19	64.3	42.1	53.0	70.4
DAIRYLAND	DSR-2188E ↗	E3	2.1	R	53.0			10.0	0	676	20	61.8	45.9	51.4	67.7
JACOBSEN	2213E3 ↗	E3	2.2	NA	53.0			9.9	0	675	21	62.7	43.4	52.9	51.1
PIONEER	P18A73E § ↗	E3	1.8	NA	52.7			9.8	0	672	23	60.5	46.0	51.7	67.7
ASGROW	AG19XF3 § ↗	RXF	1.9	R	52.7			10.0	0	673	22	<b>70.4</b>	35.5	52.3	70.4
ZINESTO	Z2303E ↗	E3	2.3	R	52.6			10.2	0	670	24	62.9	46.7	48.1	67.7
DAIRYLAND	DSR-1788E ↗	E3	1.7	R	52.5			10.1	0	669	25	67.2	41.8	48.5	67.7
GOLDEN HARVEST	GH1973E3S § ↗	E3,ST	1.9	R	52.2			10.4	0	666	26	60.8	44.7	51.1	67.7
XITAVO	XO 1632E ↗	E3	1.6	R	52.1			10.6	0	665	27	58.4	45.6	52.4	68.2
LOYAL	L2160E GC ↗	E3	2.1	NA	52.1			10.5	0	664	28	61.1	38.8	<b>56.3</b>	68.4
ZINESTO	Z1902E ↗	E3	1.9	NA	51.3			9.8	0	654	29	59.0	44.2	50.7	67.5
STINE	20EG02 § ↗	E3	2.0	R	51.2			10.4	0	653	30	63.1	39.8	50.8	66.5

*Mark Querna*

<b>Averages =</b>	<b>52.6</b>	<b>na</b>	<b>na</b>	<b>10.1</b>	<b>0</b>	<b>671</b>	<b>62.9</b>	<b>43.2</b>	<b>51.8</b>	<b>66.7</b>
LSD (0.10) =	3.9	na	na	0.3	ns		5.0	5.9	3.2	3.1
LSD (0.25) =	2.1	na	na	0.2	ns		2.6	3.1	1.7	1.6

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Prev. years average yield for region: 57.51 bu/a, 20 yr(s)

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$12.75

† 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 full product yield results at www.firstseedtests.com. Oil and Protein values are average results of 1 sample per location.

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Report Date: 10/12/2023

## 2023 Soybeans - Minnesota South [ MNSO ]

### All-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE1441	E3	R	1.4	PU
Apex	AE1930	E3	R	1.9	PU
Apex	AE2140	E3	R	2.1	SA,A,R,TU
Asgrow	AG18XF1 §	RXF	R	1.8	ACi,IL
Asgrow	AG19XF3 §	RXF	R	1.9	ACi,IL
Asgrow	AG21XF2 §	RXF	R	2.1	ACi,IL
Dairyland	DSR-1788E	E3	R	1.7	Lum,Lu,IL
Dairyland	DSR-1919E	E3	R	1.9	Lum,Lu,IL
Dairyland	DSR-2188E	E3	R	2.1	Lum,Lu,IL
Dairyland	DSR-2310E	E3	R	2.3	Lum, LumT, IL
Genesis	G1760E	E3	R	1.7	EcQ,NF,NH,SA
Genesis	G2180E	E3	R	2.1	EcQ,NF,NH,SA
Golden Harvest	GH1802E3 §	E3	R	1.8	CMB-APX,SA
Golden Harvest	GH1973E3S §	E3,ST	R	1.9	CMB-APX,SA
Golden Harvest	GH2292E3 §	E3	MR	2.2	CMB-APX,SA
Jacobsen	2213E3	E3	NA	2.2	F,I
Jacobsen	J1873E3	E3	R	1.8	F,I
Jacobsen	J1942E3	E3	R	1.9	Treated
Loyal	L1660E GC	E3	NA	1.6	EcQ,NF,NH
Loyal	L2160E GC	E3	NA	2.1	EcQ,NF,NH
Mustang	23E824	E3	R	2.3	Treated
Pioneer	P18A73E §	E3	NA	1.8	Lum, LumT, IL
Pioneer	P19A37E §	E3	NA	1.9	Lum
Pioneer	P19A66E §	E3	NA	1.9	Lum, LumT, IL
Stine	17EE32 §	E3	R	1.7	ACi
Stine	19EG92 §	E3	R	1.9	ACi
Stine	20EG02 §	E3	R	2.0	ACi
Titan Pro	TP 18E22	E3	R	1.8	SA,A,R,TU
Titan Pro	TP 20E22	E3	R	2.0	SA,A,R,TU
Titan Pro	TP 22E23	E3	R	2.2	SA,A,R,TU
Xitavo	XO 1632E	E3	R	1.6	PV,IL,OB,Rey
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
Xitavo	XO 2181E	E3	R	2.1	PV,IL,OB,Rey
Xitavo	XO 2282E	E3	R	2.2	PV,IL,OB,Rey
Xitavo	XO 2323E	E3	R	2.3	PV,IL,OB,Rey
Zinesto	Z1603E	E3	R	1.6	DST5
Zinesto	Z1702E	E3	NA	1.7	DST5
Zinesto	Z1802E	E3	NA	1.8	DST5
Zinesto	Z1902E	E3	NA	1.9	DST5
Zinesto	Z2002E	E3	NA	2.0	DST5

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Zinesto	Z2101E	E3	R	2.1	DST5
Zinesto	Z2202E	E3	NA	2.2	DST5
Zinesto	Z2303E	E3	R	2.3	DST5

## Footnotes and Abbreviations Descriptions

### Brand Footnotes

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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

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S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

### Soybeans Technologies

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E3	Enlist E3®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

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### Soybeans Seed Treatments\*

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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	Eclipse US Total Quad-R, N-Force, N-Hibit
EcQ,NF,NH,SA	Eclipse US Total Quad-R, N-Force, N-Hibit, Saltro
F,I	Fungicide, Insecticide
Lum	LumiGEN™
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®
SA,A,R,TU	Saltro, AllegianceFL, Redigo480, TriUp
Treated	Treated, unspecified

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