

2023 Soybeans Top 30 Region Summary for Minnesota South Central [MNSC]

All-Season Test
Maturity Group 1.5 - 2.2
S2023MNSC

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	Madison Lake	Nerstrand	Wabasso	Winthrop REJECTED
GOLDEN HARVEST	GH2292E3 GC ↗	E3	2.2	MR	59.8	32.8	18.9	12.3	0	762	1	73.7	48.7	56.9	57.1
STINE	20EG02 § ↗	E3	2.0	R	59.5	32.3	19.5	12.4	0	758	2	76.4	50.0	52.0	52.1
GOLDEN HARVEST	GH2004XF § ↗	RXF	2.0	MR	59.0	32.5	19.9	12.5	0	752	3	75.2	45.9	56.0	59.4
PIONEER	P19A37E § ↗	E3	1.9	NA	58.4	32.8	19.2	12.2	0	744	4	70.5	50.5	54.1	60.8
ASGROW	AG18XF1 § ↗	RXF	1.8	R	57.8	32.3	19.5	12.5	0	737	5	74.6	40.0	58.9	55.2
ZINESTO	Z2002E ↗	E3	2.0	NA	57.5	33.2	19.4	12.3	0	733	6	69.5	48.4	54.5	56.8
XITAVO	XO 2282E ↗	E3	2.2	R	56.7	32.7	19.5	12.0	0	723	7	72.8	45.6	51.7	56.8
DYNA-GRO	S19XF62 ↗	RXF	1.9	R	56.7	32.3	19.6	13.0	0	722	8	69.1	40.6	60.3	55.2
GENESIS	G1760E ↗	E3	1.7	R	56.3	33.1	19.1	12.4	0	718	9	66.4	41.8	60.6	53.8
HEFTY	H18E3 ↗	E3	1.8	R	56.2	31.9	20.2	12.0	0	716	10	66.6	49.2	52.8	56.8
XITAVO	XO 1822E ↗	E3	1.8	R	56.2	33.2	19.3	12.7	0	716	11	75.4	41.4	51.7	56.8
ASGROW	AG19XF3 § ↗	RXF	1.9	R	56.2	32.7	19.4	12.5	0	716	12	68.8	45.6	54.1	56.8
LOYAL	L2150E GC ↗	E3	2.1	NA	56.2	33.8	18.7	12.5	0	715	13	69.9	45.9	52.7	56.8
LOYAL	L1460E GC ↗	E3	1.4	NA	55.8	33.5	19.4	12.4	0	711	14	67.7	45.4	54.2	46.6
TITAN PRO	TP 18E22 ↗	E3	1.8	R	55.6	31.4	20.2	12.5	0	709	15	65.9	48.0	53.0	56.8
ZINESTO	Z2202E ↗	E3	2.2	NA	55.6	32.4	19.4	12.4	0	709	16	74.6	42.0	50.2	56.8
DAIRYLAND	DSR-1919E ↗	E3	1.9	R	55.5	31.4	20.0	11.9	0	708	17	61.2	50.1	55.4	57.8
ANDERSON	A1923XF ↗	RXF	1.9	MR	55.1	32.2	19.7	12.1	0	702	18	73.5	40.5	51.3	56.8
DYNA-GRO	S16EN42 ↗	E3	1.6	R	54.8	32.9	19.0	12.4	0	698	19	75.2	39.1	50.0	56.8
DAIRYLAND	DSR-1788E ↗	E3	1.7	R	54.1	34.9	19.3	12.5	0	689	20	65.0	43.3	54.0	46.6
XITAVO	XO 1632E ↗	E3	1.6	R	54.1	33.6	18.9	12.9	0	689	21	70.3	37.3	54.6	56.8
ZINESTO	Z1502E ↗	E3	1.5	NA	54.0	33.2	19.5	12.6	0	688	22	69.8	32.1	60.1	56.8
GOLDEN HARVEST	GH1802E3 § ↗	E3	1.8	R	53.8	33.5	18.9	12.2	0	685	24	68.2	41.3	51.8	46.6
DAIRYLAND	DSR-2188E ↗	E3	2.1	R	53.8	31.8	20.0	12.4	0	686	23	66.4	41.0	54.0	56.8
PIONEER	P19A66E § ↗	E3	1.9	NA	53.1	31.2	20.3	12.4	0	677	25	65.8	37.9	55.7	56.8
STINE	19EG92 § ↗	E3	1.9	R	53.0	31.8	19.2	12.6	0	676	26	69.4	43.1	46.5	59.1
GENESIS	G2180E ↗	E3	2.1	R	53.0	33.0	19.5	12.3	0	675	27	69.3	39.7	49.9	55.4
ZINESTO	Z1802E ↗	E3	1.8	NA	52.9	32.6	19.4	11.8	0	675	28	68.3	47.6	42.9	52.3
XITAVO	XO 1404E ↗	E3	1.4	R	52.9	33.6	18.9	12.8	0	674	29	62.9	39.5	56.3	54.6
ZINESTO	Z2101E ↗	E3	2.1	R	52.7	32.2	19.7	12.2	0	671	30	67.5	39.1	51.4	57.3

Yield variability from drought stress



Averages =	53.9	32.7	19.5	12.4		687	68.3	41.0	52.3	54.0
LSD (0.10) =	4.7	0.6	0.4	0.3	ns		5.3	4.2	5.1	6.0
LSD (0.25) =	2.5	0.3	0.2	0.2	ns		2.8	2.2	2.7	3.2

mark.querna@firstseedtests.com, (507) 380-9920

Prev. years average yield for region: 55.9 bu/a, 20 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$12.75; non-GMO = \$15.25

† 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.

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2023 Soybeans - Minnesota South Central [MNSC]

All-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Anderson	A182E3	E3	MR	1.8	Untreated
Anderson	A1923XF	RXF	MR	1.9	Untreated
Asgrow	AG16XF3 §	RXF	R	1.6	ACi,IL
Asgrow	AG18XF1 §	RXF	R	1.8	ACi,IL
Asgrow	AG19XF3 §	RXF	R	1.9	ACi,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
Dairyland	DSR-2188E	E3	R	2.1	Lum,Lu,IL
Dyna-Gro	S16EN42	E3	R	1.6	EQV,Sa,Va
Dyna-Gro	S19XF62	RXF	R	1.9	EQV,Sa,Va
Dyna-Gro	S20EN84	E3	R	2.0	EQV,Sa,Va
Genesis	G1760E	E3	R	1.7	EcQ,NF,NH,SA
Genesis	G2180E	E3	R	2.1	EcQ,NF,NH,SA
Golden Harvest	GH1614E3 §	E3	R	1.6	CMB-APX,SA
Golden Harvest	GH1802E3 §	E3	R	1.8	CMB-APX,SA
Golden Harvest	GH2004XF §	RXF	MR	2.0	CMB-APX,SA
Golden Harvest	GH2292E3 GC	E3	MR	2.2	CMB-APX,SA
Hefty	H16E4	E3	R	1.6	DST5
Hefty	H18E3	E3	R	1.8	DST5
Hefty	H20E3	E3	R	2.0	DST5
Loyal	L1460E GC	E3	NA	1.4	EcQ,NF,NH
Loyal	L2150E GC	E3	NA	2.1	EcQ,NF,NH
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	14EG32 §	E3	R	1.4	ACi
Stine	19EG92 §	E3	R	1.9	ACi
Stine	20EG02 §	E3	R	2.0	ACi
Stine	21EG32 GC	E3	R	2.1	ACi
Titan Pro	TP 18E22	E3	R	1.8	SA,A,R,TU
Xitavo	XO 1404E	E3	R	1.4	PV,IL,OB,Rey
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
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

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Zinesto	Z2002E	E3	NA	2.0	DST5
Zinesto	Z2101E	E3	R	2.1	DST5
Zinesto	Z2202E	E3	NA	2.2	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®

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	Eclipse US Total Quad-R, N-Force, N-Hibit
EcQ,NF,NH,SA	Eclipse US Total Quad-R, N-Force, N-Hibit, Saltro
EQV,Sa,Va	Equity VIP, Saltro®, Vayantis®
Lum	LumiGEN™
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PV,IL,OB,Rey	Poncho®/Motivo®, ILeVO, Obvius Plus, Relenya®
SA,A,R,TU	Saltro, AllegianceFL, Redigo480, TriUp
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.