

2022 Soybeans Top 30 Region Summary for Minnesota South [MNSO]



Test by: Southern MN FIRST New Richland, MN

Early-Season Test Maturity Group 1.6 - 1.9

Top 30 of 36

S2022MNSOa

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	Easton	Kasson	Lamberton	New Richland
XITAVO	XO 1822E ↗	E3	1.8	R	67.7	34.1	18.8	11.0	0	950	1	73.4	70.6	52.3	74.4
LOYAL	L1740E ↗	E3	1.7	R	67.0	34.2	19.0	10.9	0	940	2	71.6	65.4	56.2	74.6
GENESIS	G1970E ↗	E3	1.9	R	66.5	34.0	19.0	10.9	0	934	3	70.9	71.7	49.4	74.0
GOLD COUNTRY	1841XF ↗	RXF	1.8	R	66.4	33.2	18.4	10.5	0	932	4	73.4	67.5	52.6	72.0
DYNA-GRO	S16EN42 ↗	E3	1.6	R	66.3	34.6	19.0	10.9	0	930	5	74.1	64.8	52.8	73.4
NUTECH	19N03E ↗	E3	1.9	R	66.0	33.0	19.9	10.7	0	927	6	70.5	74.1	48.1	71.4
ASGROW	AG19XF3 § ↗	RXF	1.9	R	65.9	34.7	19.3	10.4	0	925	7	71.1	68.9	50.5	73.0
LATHAM	L 1947 E3 ↗	E3	1.9	R	65.7	34.1	18.9	11.0	0	922	8	72.2	68.7	49.1	72.7
ASGROW	AG18XF1 § ↗	RXF	1.8	R	64.9	33.4	18.9	10.7	0	912	9	71.5	64.7	50.1	73.4
TITAN PRO	TP 18E22 ↗	E3	1.8	R	64.8	33.3	19.7	10.7	0	909	10	70.1	73.7	47.9	67.3
ZINESTO	Z1702E ↗	E3	1.7	NA	64.4	34.1	19.1	11.0	0	904	11	73.0	61.0	54.6	69.0
ZINESTO	Z1802E ↗	E3	1.8	NA	64.4	33.4	18.8	10.7	0	904	12	67.2	64.3	49.7	76.3
DAIRYLAND	DSR-1919E ↗	E3	1.9	R	64.4	33.1	19.6	10.8	0	904	13	68.3	70.4	48.5	70.3
DYNA-GRO	S19XF62 ↗	RXF	1.9	R	63.7	33.6	19.0	10.9	0	894	14	72.9	60.1	50.8	70.8
XITAVO	XO 1632E ↗	E3	1.6	R	63.4	34.2	19.0	11.0	0	890	15	69.2	63.1	46.9	74.4
LATHAM	L 1648 LLGT27 ↗	LLGT27	1.6	R	63.4	34.7	18.8	10.9	0	890	16	73.2	61.4	45.8	73.1
STINE	17EE32 § ↗	E3	1.7	R	62.9	34.3	18.8	11.0	0	883	17	73.9	63.1	52.4	62.3
STINE	15EE32 § ↗	E3	1.5	R	62.9	34.6	18.8	11.0	0	882	18	71.9	60.2	49.0	70.3
GOLDEN HARVEST	GH1762XF § ↗	RXF	1.7	MR	62.7	35.3	18.9	10.7	0	881	19	73.3	58.5	47.5	71.6
ZINESTO	Z1902E ↗	E3	1.9	NA	62.6	34.1	18.8	10.8	0	879	20	69.2	63.0	48.2	70.0
XITAVO	XO 1971E ↗	E3	1.9	R	62.6	34.3	18.5	10.5	0	878	21	65.8	63.9	46.7	73.8
LOYAL	L1540E ↗	E3	1.5	R	62.2	34.5	18.9	11.0	0	874	23	71.1	57.8	49.2	70.9
GENESIS	G1950E ↗	E3	1.9	R	62.2	34.3	18.4	10.5	0	874	24	69.7	60.8	47.4	71.0
GOLDEN HARVEST	GH1802E3 § ↗	E3	1.8	R	62.1	34.8	18.6	10.6	0	872	25	64.6	61.7	48.6	73.6
LOYAL	L1950E ↗	E3	1.9	R	61.3	33.9	18.8	10.8	0	861	26	63.2	66.4	49.9	65.8
LATHAM	L 1784 XF ↗	RXF	1.7	R	61.3	33.7	18.7	10.9	0	861	27	69.7	58.1	49.9	67.4
GOLD COUNTRY	1942XF ↗	RXF	1.9	R	60.4	34.1	18.7	10.6	0	848	28	64.8	57.4	46.9	72.5
PIONEER	P18A73E § ↗	E3	1.8	NA	60.4	34.7	19.5	10.6	0	848	29	65.4	65.0	43.3	67.8
DAIRYLAND	DSR-1820E ↗	E3	1.8	R	59.3	34.5	18.6	10.4	0	832	30	68.5	56.7	43.1	68.8
NUTECH	16N04E ↗	E3	1.6	R	58.8	36.1	17.6	10.7	0	825	31	64.4	60.1	43.2	67.3
DYNA-GRO	S18EN52 CK	E3	1.8	MR	62.3	34.9	18.6	10.9	0	875	22	65.8	61.9	49.2	72.4

Averages = 62.7 34.2 18.9 10.7 0 880 68.9 62.7 48.8 70.7

LSD (0.10) = 3.1 0.4 0.3 0.3 ns 4.0 3.4 3.6 3.6

Mark Querna

LSD (0.25) = 1.6 0.2 0.2 0.1 ns 2.1 1.8 1.9 1.9

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Prev. years average yield for region: 57.58 bu/a, 19 yr(s)

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$14.04; non-GMO = \$16.64

† 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.

Additional reports available at www.firstseedtests.com

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Report Date: 10/16/2022

Revised: 01/17/2023

Protein and oil results added

2022 Soybeans Top 30 Region Summary for Minnesota South [MNSO]

Full-Season Test

Maturity Group 2.0 - 2.3


S2022MNSOb

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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 REJECTED	Kasson	Lamberton	New Richland
PIONEER	P21A53E § ↗	E3	2.1	NA	66.1	34.2	19.0	11.0	0	928	1	72.3	72.2	51.5	74.6
ASGROW	AG21XF2 § ↗	RXF	2.1	R	65.1	35.1	18.2	10.9	0	914	2	71.4	70.1	52.6	72.5
DAIRYLAND	DSR-2188E ↗	E3	2.1	R	64.0	33.3	19.6	11.8	0	898	3	68.6	71.1	49.5	71.6
STINE	23EE06 § ↗	E3	2.3	S	63.9	35.0	18.2	11.4	0	896	4	68.6	67.1	52.1	72.5
GOLDEN HARVEST	GH2292E3 § ↗	E3	2.2	MR	63.6	35.4	18.2	10.8	0	894	5	68.6	64.9	50.5	75.6
ASGROW	AG22XF3 § ↗	RXF	2.2	R	63.5	35.6	18.4	11.2	0	891	6	68.6	71.3	42.0	77.2
DYNA-GRO	S20EN92 ↗	E3	2.0	MR	63.5	34.9	18.9	11.1	0	891	7	68.6	68.8	51.8	69.9
GENESIS	G2270E ↗	E3	2.2	R	62.8	34.3	18.9	11.3	0	882	8	71.4	68.3	44.4	75.8
MUSTANG	20E723 ↗	E3	2.0	R	62.4	33.3	19.7	11.6	0	876	9	68.6	68.2	47.7	71.4
ANDERSON	A2121XF ↗	RXF	2.0	NA	62.0	36.6	18.5	11.0	0	870	10	68.6	68.6	53.3	64.1
NUTECH	21N07E ↗	E3	2.1	R	62.0	33.4	19.8	11.8	0	870	11	68.6	69.7	48.4	68.0
ZINESTO	Z2101E ↗	E3	2.1	R	61.9	34.1	19.1	11.4	0	869	12	68.6	61.4	51.5	72.8
XITAVO	XO 2323E ↗	E3	2.3	R	61.8	34.9	19.3	11.3	0	867	13	68.6	68.4	44.7	72.3
LATHAM	L 2193 E3 ↗	E3	2.1	R	61.5	35.0	18.5	11.1	0	864	14	68.6	65.6	48.1	70.9
TITAN PRO	TP 20E22 ↗	E3	2.0	R	61.5	33.2	19.7	11.7	0	862	15	71.4	68.7	45.3	70.3
XITAVO	XO 2282E ↗	E3	2.2	R	61.0	34.1	19.0	10.9	0	856	16	68.6	68.0	39.7	75.3
STINE	22EF23 § ↗	E3	2.2	R	61.0	34.8	19.2	11.3	0	856	17	71.4	68.8	45.2	68.9
LATHAM	L 2049 E3 ↗	E3	2.0	R	60.7	33.9	19.3	11.6	0	851	18	71.4	63.7	48.7	69.6
ZINESTO	Z2303E ↗	E3	2.3	R	60.6	35.5	18.3	11.0	0	851	19	68.6	66.0	46.2	69.6
PIONEER	P20T64E § ↗	E3	2.0	R	60.4	34.4	18.6	11.3	0	848	20	68.6	62.2	47.0	72.0
GENESIS	G2150E ↗	E3	2.1	R	60.3	33.7	19.2	11.4	0	847	21	71.4	64.5	48.4	68.1
LOYAL	L2250E ↗	E3	2.2	R	60.1	34.8	19.1	11.5	0	842	22	71.4	67.3	48.7	64.1
ZINESTO	Z2002E ↗	E3	2.0	NA	60.0	34.8	18.6	11.5	0	842	23	71.4	70.9	49.0	60.1
GOLD COUNTRY	2250XF ↗	RXF	2.2	R	59.9	34.4	18.6	11.7	0	840	25	68.6	64.1	47.0	68.5
XITAVO	XO 2181E ↗	E3	2.1	R	59.7	34.3	19.0	11.5	0	838	26	68.6	64.4	43.4	71.4
DAIRYLAND	DSR-2040E ↗	E3	2.0	R	59.5	33.8	19.0	11.3	0	835	27	68.6	63.0	45.8	69.6
DAIRYLAND	DSR-2030E ↗	E3	2.0	R	59.2	34.4	18.6	11.3	0	831	28	68.6	62.0	47.4	68.3
DYNA-GRO	S21XF61 ↗	RXF	2.1	R	59.2	34.9	18.8	11.6	0	830	30	71.4	59.1	48.4	69.9
LOYAL	L2350E ↗	E3	2.3	R	59.1	35.2	18.1	11.0	0	830	29	71.4	66.8	45.1	65.5
MUSTANG	22E823 ↗	E3	2.2	R	58.6	35.5	18.9	11.1	0	823	31	67.5	61.0	42.7	72.2
DYNA-GRO	S18EN52 CK	E3	1.8	MR	60.0	35.4	18.8	11.0	0	842	24	66.3	66.1	43.4	70.4

Rejected due to high variance from drought stress

 Mark Querna mark.querna@firstseedtests.com, (507) 380-9920	Averages =	60.8	34.5	18.9	11.3	0	853	69.2	65.5	46.9	70.0
	LSD (0.10) =	4.0	0.4	0.3	ns	ns		3.7	3.8	3.6	4.4
	LSD (0.25) =	2.1	0.2	0.2	ns	ns		1.9	2.0	1.9	2.3

Prev. years average yield for region: 57.58 bu/a, 19 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$14.04; non-GMO = \$16.64

† 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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2022 Soybeans - Minnesota South [MNSO]

Early-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Anderson	A1821XF	RXF	NA	1.8	Untreated
Asgrow	AG18XF1 §	RXF	R	1.8	ACi,IL
Asgrow	AG19XF3 §	RXF	R	1.9	ACi,IL
Dairyland	DSR-1673E	E3	R	1.6	Lum,Lu,IL
Dairyland	DSR-1820E	E3	R	1.8	Lum,Lu,IL
Dairyland	DSR-1919E	E3	R	1.9	Lum,Lu,IL
Dyna-Gro	S16EN42	E3	R	1.6	EQV,Sa,Va
Dyna-Gro	S18EN52 CK	E3	MR	1.8	EQV,Sa,Va
Dyna-Gro	S19XF62	RXF	R	1.9	EQV,Sa,Va
Genesis	G1950E	E3	R	1.9	EcTC,SA
Genesis	G1970E	E3	R	1.9	EcTC,SA
Gold Country	1841XF	RXF	R	1.8	ACi,IL
Gold Country	1942XF	RXF	R	1.9	ACi,IL
Golden Harvest	GH1762XF §	RXF	MR	1.7	CMBV,SA
Golden Harvest	GH1802E3 §	E3	R	1.8	CMBV,SA
Latham	L 1648 LLGT27	LLGT27	R	1.6	SS+,SA
Latham	L 1758 E3	E3	R	1.7	SS+,SA
Latham	L 1784 XF	RXF	R	1.7	SS+,SA
Latham	L 1947 E3	E3	R	1.9	SS+,SA
Loyal	L1540E	E3	R	1.5	NLSB
Loyal	L1740E	E3	R	1.7	NLSB
Loyal	L1950E	E3	R	1.9	NLSB
NuTech	16N04E	E3	R	1.6	Lum,Lu,IL
NuTech	19N03E	E3	R	1.9	Lum,Lu,IL
Pioneer	P18A73E §	E3	NA	1.8	Untreated
Stine	15EE32 §	E3	R	1.5	SFI
Stine	17EE32 §	E3	R	1.7	SFI
Titan Pro	TP 18E22	E3	R	1.8	SA,A,R,G
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
Zinesto	Z1603E	E3	R	1.6	DST4
Zinesto	Z1702E	E3	NA	1.7	DST4
Zinesto	Z1802E	E3	NA	1.8	DST4
Zinesto	Z1902E	E3	NA	1.9	DST4

2022 Soybeans - Minnesota South [MNSO]

Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Anderson	A2121XF	RXF	NA	2.0	Untreated
Asgrow	AG21XF2 §	RXF	R	2.1	ACi,IL
Asgrow	AG22XF3 §	RXF	R	2.2	ACi,IL
Dairyland	DSR-2030E	E3	R	2.0	Lum,Lu,IL
Dairyland	DSR-2040E	E3	R	2.0	Lum,Lu,IL
Dairyland	DSR-2188E	E3	R	2.1	Lum,Lu,IL
Dyna-Gro	S18EN52 CK	E3	MR	1.8	EQV,Sa,Va
Dyna-Gro	S20EN92	E3	MR	2.0	EQV,Sa,Va
Dyna-Gro	S21XF61	RXF	R	2.1	EQV,Sa,Va
Genesis	G2150E	E3	R	2.1	EcTC,SA
Genesis	G2270E	E3	R	2.2	EcTC,SA
Gold Country	2250XF	RXF	R	2.2	ACi,IL
Golden Harvest	GH2083E3S §	E3,ST	R	2.0	CMBV,SA
Golden Harvest	GH2292E3 §	E3	MR	2.2	CMBV,SA
Latham	L 2049 E3	E3	R	2.0	SS+,SA
Latham	L 2193 E3	E3	R	2.1	SS+,SA
Latham	L 2283 XF	RXF	R	2.2	SS+,SA
Latham	L 2379 E3	E3	R	2.3	SS+,SA
Loyal	L2250E	E3	R	2.2	NLSB
Loyal	L2350E	E3	R	2.3	NLSB
Mustang	20E723	E3	R	2.0	Treated
Mustang	22E823	E3	R	2.2	Treated
NuTech	21N07E	E3	R	2.1	Lum,Lu,IL
Pioneer	P20T64E §	E3	R	2.0	Lum,Lu,IL
Pioneer	P21A53E §	E3	NA	2.1	Lum,Lu,IL
Pioneer	P21T72E §	E3	R	2.1	Untreated
Stine	22EF23 §	E3	R	2.2	SFI
Stine	23EE06 §	E3	S	2.3	SFI
Titan Pro	TP 20E22	E3	R	2.0	SA,A,R,G
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	Z2002E	E3	NA	2.0	DST4
Zinesto	Z2101E	E3	R	2.1	DST4
Zinesto	Z2101G	LLGT27	R	2.1	DST4
Zinesto	Z2303E	E3	R	2.3	DST4

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®
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
CMBV,SA	Cruisermass® Beans, Vibrance®, Salto®
DST4	Dominance 4 ST
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Salto®
EQV,Sa,Va	Equity VIP, Salto®, Vayantis
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
NLSB	NexLevel SB Elite and Marathon Extreme (Agri Partners)
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SA,A,R,G	Salto, Allegiance FL, Redigo 480, Gaucho 600
SF1	Stine XP F&I
SS+,SA	SoyShield Plus, Salto®
Treated	Treated, unspecified
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.