

2022 Soybeans Top 30 Performance Summary for Minnesota South Central [MNSC]



Test by: Southern MN FIRST New Richland, MN

Early-Season Test

Maturity Group 1.5 - 1.8

S2022MNSCa

Top 30 of 36

For Gross Income (Sorted by Yield), (11) 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
LOYAL	L1740E GC ↗	E3	1.7	R	68.7			10.3	0	965	1	66.5	71.5	69.7	67.0
LATHAM	L 1558 E3 ↗	E3	1.5	R	68.3			10.3	0	959	2	67.4	71.3	69.5	64.9
APEX	AE1520 GC ↗	E3	1.5	R	68.2			10.4	0	958	3	67.0	71.2	68.7	65.9
TITAN PRO	TP 18E22 ↗	E3	1.8	R	67.9			10.2	0	954	4	64.0	66.8	68.5	72.6
DYNA-GRO	S16EN42 ↗	E3	1.6	R	67.8			10.2	0	952	5	64.3	68.1	70.4	68.3
ZINESTO	Z1502E ↗	E3	1.5	NA	67.0			10.2	0	941	6	67.5	68.0	65.9	66.5
ZINESTO	Z1802E ↗	E3	1.8	NA	66.9			9.9	0	939	7	63.4	70.0	65.4	68.8
XITAVO	XO 1822E ↗	E3	1.8	R	66.8			10.3	0	938	8	66.5	71.8	65.4	63.7
GOLD COUNTRY	1841XF ↗	RXF	1.8	R	66.5			9.6	0	933	10	60.5	70.0	68.1	67.3
APEX	AE1630 GC ↗	E3	1.6	R	66.3			10.3	0	931	11	61.0	66.9	67.8	69.6
GOLDEN HARVEST	GH1802E3 § ↗	E3	1.8	R	66.1			9.8	0	929	12	63.3	69.1	64.0	68.3
XITAVO	XO 1632E ↗	E3	1.6	R	66.1			10.4	0	929	13	67.3	67.1	67.5	62.7
ANDERSON	A151E3 ↗	E3	1.5	NA	65.8			10.3	0	923	14	66.6	63.2	64.4	68.9
STINE	17EE32 § ↗	E3	1.7	R	65.7			10.3	0	923	15	66.6	70.0	67.1	59.1
ZINESTO	Z1702E ↗	E3	1.7	NA	65.7			10.3	0	922	16	65.7	63.1	66.2	67.8
STINE	15EE32 § ↗	E3	1.5	R	65.6			10.3	0	921	17	66.1	65.8	68.0	62.4
LATHAM	L 1648 LLGT27 ↗	LLGT27	1.6	R	65.5			10.2	0	919	18	66.6	68.8	64.2	62.3
ASGROW	AG18XF1 § ↗	RXF	1.8	R	65.4			9.9	0	918	19	65.3	67.3	66.4	62.7
LOYAL	L1540E GC ↗	E3	1.5	R	65.4			10.5	0	918	20	66.6	67.8	68.8	58.2
ANDERSON	A172E3 ↗	E3	1.7	MR	65.3			10.3	0	917	21	59.4	63.4	66.5	72.0
GOLDEN HARVEST	GH1762XF § ↗	RXF	1.7	MR	65.1			10.1	0	914	22	65.1	66.1	63.6	65.6
DYNA-GRO	S17XF02 ↗	RXF	1.7	MR	64.8			10.3	0	909	23	65.1	66.0	63.2	64.7
ANDERSON	A182E3 ↗	E3	1.8	MR	64.7			10.0	0	908	24	63.8	62.9	63.2	68.9
PIONEER	P17A87E § ↗	E3	1.7	NA	64.6			10.0	0	907	25	62.1	67.6	58.8	69.8
ASGROW	AG15XF2 § ↗	RXF	1.5	R	64.1			10.0	0	900	26	63.1	64.4	66.2	62.7
PIONEER	P18A73E § ↗	E3	1.8	NA	64.0			9.8	0	899	27	62.1	62.4	63.8	67.8
FEDERAL	F1830N GC ↗	RXF	1.8	NA	63.6			10.0	0	893	28	61.3	66.5	65.9	60.6
LATHAM	L 1758 E3 ↗	E3	1.7	R	63.2			9.7	0	887	29	64.2	66.4	58.1	63.9
LATHAM	L 1784 XF ↗	RXF	1.7	R	62.6			9.8	0	879	30	62.5	62.7	63.9	61.2
DAIRYLAND	DSR-1505E ↗	E3	1.5	R	61.9			9.9	0	870	31	65.5	60.9	60.4	60.9
DYNA-GRO	S18EN52 CK	E3	1.8	MR	66.6			9.7	0	936	9	65.4	66.8	61.6	72.9

Averages =	65.0	na	na	10.1	0	912	64.5	66.4	64.6	64.6
LSD (0.10) =	2.9	na	na	0.2	ns		2.3	3.6	4.7	5.9
LSD (0.25) =	1.5	na	na	0.1	ns		1.2	1.9	2.4	3.1

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Prev. years average yield for region: 55.47 bu/a, 19 yr(s)

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$14.04

† 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.

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Report Date: 10/17/2022

2022 Soybeans Top 30 Performance Summary for Minnesota South Central [MNSC]



Test by: Southern MN FIRST New Richland, MN

Full-Season Test

Maturity Group 1.9 - 2.2

S2022MNSCb

Top 30 of 36

For Gross Income (Sorted by Yield), (11) 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
LATHAM	L 2049 E3 ↗	E3	2.0	R	69.6			10.1	0	977	1	65.9	72.3	67.0	73.0
ASGROW	AG21XF2 § ↗	RXF	2.1	R	69.5			10.0	0	976	2	68.2	70.6	66.1	73.1
ANDERSON	A200E3 ↗	E3	2.0	NA	68.5			10.2	0	962	3	65.2	74.7	63.3	70.7
ZINESTO	Z1902E ↗	E3	1.9	NA	68.2			10.0	0	957	4	63.9	70.4	64.6	73.8
PIONEER	P19A66E § ↗	E3	1.9	NA	68.1			9.8	0	956	5	63.0	71.5	66.6	71.3
ZINESTO	Z2101E ↗	E3	2.1	R	67.8			10.2	0	952	6	64.7	70.8	64.7	71.0
LOYAL	L1950E § ↗	E3	1.9	R	67.7			10.0	1	951	7	64.0	73.7	60.3	72.9
LATHAM	L 1947 E3 ↗	E3	1.9	R	67.6			10.1	1	949	9	65.3	68.6	62.7	73.7
ZINESTO	Z2101G ↗	LLGT27	2.1	R	67.6			10.2	0	948	10	69.4	68.0	59.9	72.8
XITAVO	XO 2181E ↗	E3	2.1	R	67.3			10.2	0	945	11	63.4	71.0	64.7	70.0
DYNA-GRO	S20EN92 ↗	E3	2.0	MR	67.3			9.9	0	944	12	66.5	68.7	64.2	69.6
GENESIS	G2150E ↗	E3	2.1	R	67.0			10.2	0	941	13	59.9	69.1	66.2	72.9
ZINESTO	Z2002E ↗	E3	2.0	NA	66.9			10.3	2	939	14	63.2	68.2	69.2	66.9
GENESIS	G1950E ↗	E3	1.9	R	66.7			9.7	0	937	15	68.5	68.3	57.9	72.2
ASGROW	AG19XF3 § ↗	RXF	1.9	R	66.5			9.8	0	934	16	66.2	69.3	60.8	69.7
GENESIS	G1970E ↗	E3	1.9	R	66.4			10.0	0	932	17	63.2	68.0	61.8	72.6
LATHAM	L 2193 E3 ↗	E3	2.1	R	66.3			10.1	0	930	18	63.6	67.8	67.8	65.8
PIONEER	P21T72E § ↗	E3	2.1	R	66.0			9.9	0	927	19	64.4	71.1	54.6	73.9
DAIRYLAND	DSR-2040E ↗	E3	2.0	R	65.8			9.9	0	923	20	65.1	66.7	63.7	67.6
GENESIS	G2270E ↗	E3	2.2	R	65.7			10.1	0	923	21	62.9	73.2	62.1	64.6
TITAN PRO	TP 20E22 ↗	E3	2.0	R	65.4			10.3	0	918	22	65.3	67.4	58.7	70.2
LATHAM	L 2283 XF ↗	RXF	2.2	R	65.2			10.5	6	916	23	61.2	69.3	62.7	67.8
XITAVO	XO 1971E ↗	E3	1.9	R	65.2			9.7	0	915	24	67.0	63.8	60.8	69.1
DYNA-GRO	S19XF62 ↗	RXF	1.9	R	65.1			9.9	0	913	25	62.6	71.3	61.5	64.8
GOLDEN HARVEST	GH2083E3S § ↗	E3,ST	2.0	R	65.0			10.2	0	912	26	61.7	64.6	65.5	68.0
DAIRYLAND	DSR-1919E ↗	E3	1.9	R	64.8			10.2	0	910	27	60.4	62.8	67.0	69.1
LOYAL	L2250E GC ↗	E3	2.2	R	64.8			10.3	1	910	28	61.8	68.5	66.1	62.9
GOLDEN HARVEST	GH2292E3 § ↗	E3	2.2	MR	64.4			9.9	0	905	29	67.9	68.1	56.7	65.1
STINE	22EF23 § ↗	E3	2.2	R	64.2			10.2	0	902	30	63.6	71.1	64.5	57.7
DAIRYLAND	DSR-2188E ↗	E3	2.1	R	63.8			10.6	0	896	31	62.6	68.7	60.6	63.4
DYNA-GRO	S18EN52 CK	E3	1.8	MR	67.7			10.0	0	951	8	68.7	68.0	65.0	69.1

Mark Querna

Averages =	65.9	na	na	10.1	1	926	64.2	68.5	62.6	68.7
LSD (0.10) =	2.8	na	na	0.3	1		2.9	3.3	4.3	3.8
LSD (0.25) =	1.5	na	na	0.1	1		1.5	1.7	2.3	2.0

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Yield & Income Factors:

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† 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.

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Report Date: 10/17/2022

2022 Soybeans - Minnesota South Central [MNSC]

Early-Season Test Products (36 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	A182E3	E3	MR	1.8	Untreated
Apex	AE1520 GC	E3	R	1.5	Treated
Apex	AE1630 GC	E3	R	1.6	Treated
Apex	AE1710 GC	E3	R	1.7	Treated
Asgrow	AG15XF2 §	RXF	R	1.5	ACi,IL
Asgrow	AG18XF1 §	RXF	R	1.8	ACi,IL
Dairyland	DSR-1505E	E3	R	1.5	Lum,Lu,IL
Dairyland	DSR-1673E	E3	R	1.6	Lum,Lu,IL
Dyna-Gro	S16EN42	E3	R	1.6	EQV,Sa,Va
Dyna-Gro	S17XF02	RXF	MR	1.7	EQV,Sa,Va
Dyna-Gro	S18EN52 CK	E3	MR	1.8	EQV,Sa,Va
Federal	F1830N GC	RXF	NA	1.8	Treated
Gold Country	1841XF	RXF	R	1.8	ACi,IL
Golden Harvest	GH1762XF §	RXF	MR	1.7	CMBV,SA
Golden Harvest	GH1802E3 §	E3	R	1.8	CMBV,SA
Latham	L 1558 E3	E3	R	1.5	SS+,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
Loyal	L1540E GC	E3	R	1.5	NLSB
Loyal	L1730E GC	E3	NA	1.7	NLSB
Loyal	L1740E GC	E3	R	1.7	NLSB
Pioneer	P17A87E §	E3	NA	1.7	Untreated
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
Zinesto	Z1502E	E3	NA	1.5	DST4
Zinesto	Z1603E	E3	R	1.6	DST4
Zinesto	Z1702E	E3	NA	1.7	DST4,SA
Zinesto	Z1802E	E3	NA	1.8	DST4

2022 Soybeans - Minnesota South Central [MNSC]

Full-Season Test Products (36 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Anderson	A200E3	E3	NA	2.0	Untreated
Asgrow	AG19XF3 §	RXF	R	1.9	ACi,IL
Asgrow	AG21XF2 §	RXF	R	2.1	ACi,IL
Dairyland	DSR-1919E	E3	R	1.9	Lum,Lu,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	S19XF62	RXF	R	1.9	EQV,Sa,Va
Dyna-Gro	S20EN92	E3	MR	2.0	EQV,Sa,Va
Dyna-Gro	S21XF61	RXF	R	2.1	EQV,Sa,Va
Genesis	G1950E	E3	R	1.9	EcTC,SA
Genesis	G1970E	E3	R	1.9	EcTC,SA
Genesis	G2150E	E3	R	2.1	EcTC,SA
Genesis	G2270E	E3	R	2.2	EcTC,SA
Gold Country	1942XF	RXF	R	1.9	ACi,IL
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 1947 E3	E3	R	1.9	SS+,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
Loyal	L1950E §	E3	R	1.9	NLSB
Loyal	L2250E GC	E3	R	2.2	NLSB
Pioneer	P19A66E §	E3	NA	1.9	Untreated
Pioneer	P21T72E §	E3	R	2.1	Untreated
Stine	22EF23 §	E3	R	2.2	SFI
Titan Pro	TP 20E22	E3	R	2.0	SA,A,R,G
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	Z1902E	E3	NA	1.9	DST4
Zinesto	Z2002E	E3	NA	2.0	DST4
Zinesto	Z2101E	E3	R	2.1	DST4
Zinesto	Z2101G	LLGT27	R	2.1	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®, Saltro®
DST4	Dominance 4 ST
DST4,SA	Dominance 4 ST,Saltro®
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Saltro®
EQV,Sa,Va	Equity VIP, Saltro®, 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	Saltro, Allegiance FL, Redigo 480, Gaucho 600
SFI	Stine XP F&I
SS+,SA	SoyShield Plus, Saltro®
Treated	Treated, unspecified
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.