

Test by: Southern MN FIRST New Richland, MN

2024 Soybeans Top 30 Harvest Report

Minnesota South Central [MNSC] GLENCOE, MN
Brian Brinkman, McCloud County, MN

All-Season Test	Maturity Group 1.5 - 2.2 S2024MNSC09
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Corn / Harness, Tripleflex, Seeker, Atrazine, Stinger
SOIL DESCRIPTION:	Clarion loam, mod. well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 7.2 pH, 5.1% OM, 24.8 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Sonic, Tricore, Fronrunner, Clethodim, Phoenix, Aphid Control In August
FERTILITY - Applied N:	15# Sulfur
Applied N-P-K (units):	0-20-60
SEEDED - RATE - ROW:	May 17 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 4 123.0 /A

TEST COMMENTS:

Planted in great conditions. A 5" rain in early June played havoc with post-emergence spraying. Brian did cultivate this plot site. This MNSC plot site was in lower ground than the MNCECV test next to it and suffered from a bit more water-logged soils in May and June. Rainfalls were normal through July and August. Seed size was larger here than at other sites which received very little rain in August and September. Foxtail pressure affected the third vertical replication due to more water retention in that lower ground. The third replication was removed from analysis due to yield variation from water and weed pressure.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Genesis	G1970E ↗	E3	1.9	M	65.0	9.0	0	123.5	663	1
Dairyland	DSR-2055E ↗	E3	2.0	M	64.9	8.9	0	124.0	661	2
Asgrow	AG20XF4 § ↗	RXF	2.0	R	62.8	10.4	1	123.0	641	3
Dairyland	DSR-2236E ↗	E3	2.2	M	61.3	9.3	1	123.5	624	4
Golden Harvest	GH2004XF § ↗	RXF	2.0	M	61.0	8.4	1	122.0	622	5
Asgrow	AG19XF3 § ↗	RXF	1.9	R	60.8	9.3	0	122.5	620	6
Genesis	G2090E ↗	E3	2.0	PK	60.3	9.4	1	123.0	614	7
Genesis	G2180E ↗	E3	2.1	M	59.9	9.3	0	121.5	611	8
Dairyland	DSR-2111E ↗	E3	2.1	PK	59.8	9.5	0	124.0	610	9
Apex	AE2050 ↗	E3	2.0	PK	59.2	9.3	0	122.0	604	10
Golden Harvest	GH1875E3 § ↗	E3	1.8	M	59.0	9.2	1	123.0	602	11
Genesis	G1560E ↗	E3	1.5	R	58.7	9.5	0	124.0	599	12
Apex	AE1520 ↗	E3	1.5	M	58.3	9.0	0	122.0	595	13
Golden Harvest	GH2292E3 § ↗	E3	2.2	M	58.2	9.1	1	124.5	594	14
Fortus	1895E ↗	E3	1.8	PK	58.1	8.7	0	125.0	593	15
Anderson	A203E3 ↗	E3	2.0	M	57.8	9.8	0	122.5	590	16
Xitavo	XO 1822E ↗	E3	1.8	M	57.6	9.1	1	123.5	588	17
Fortus	2043E ↗	E3	2.0	M	57.4	8.8	1	124.0	585	18
Golden Harvest	GH1614E3 ↗	E3	1.6	PK	57.3	10.6	0	124.0	584	19
Asgrow	AG18XF1 § ↗	RXF	1.8	R	57.2	8.9	0	122.5	583	20
Anderson	A1923XF ↗	RXF	1.9	M	57.2	8.7	0	122.5	583	21
Stine	20EG02 § ↗	E3	2.0	M	57.1	9.8	1	122.5	581	22
Genesis	G1760E ↗	E3	1.7	R	56.8	9.3	0	124.0	579	23
Dahlman	7520XF ↗	RXF	2.0	M	56.4	8.8	0	122.0	575	24
Stine	22EG02 § ↗	E3	2.2	M	56.3	9.6	1	124.0	574	25
Renk	RS155NXF ↗	RXF	1.5	M	56.1	8.9	0	123.0	572	26
Xitavo	XO 1632E ↗	E3	1.6	M	56.0	9.1	0	123.0	571	27
Jacobsen	J1873E3 ↗	E3	1.8	PK	55.8	9.2	0	121.0	569	28
Fortus	1502E ↗	E3	1.5	M	55.7	8.9	0	125.0	568	29
Xitavo	XO 2282E ↗	E3	2.2	M	55.5	9.4	1	122.0	566	30

Averages = **56.7** **9.2** **0** **123.0** **578**

LSD (0.10) = 4.5 ns ns

LSD (0.25) = 2.3 ns ns



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C.V. = 6.1

Historic yield: 54.1 bu/a, 15 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$10.20; non-GMO = \$13.70

Report Date: 10/04/2024

† 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

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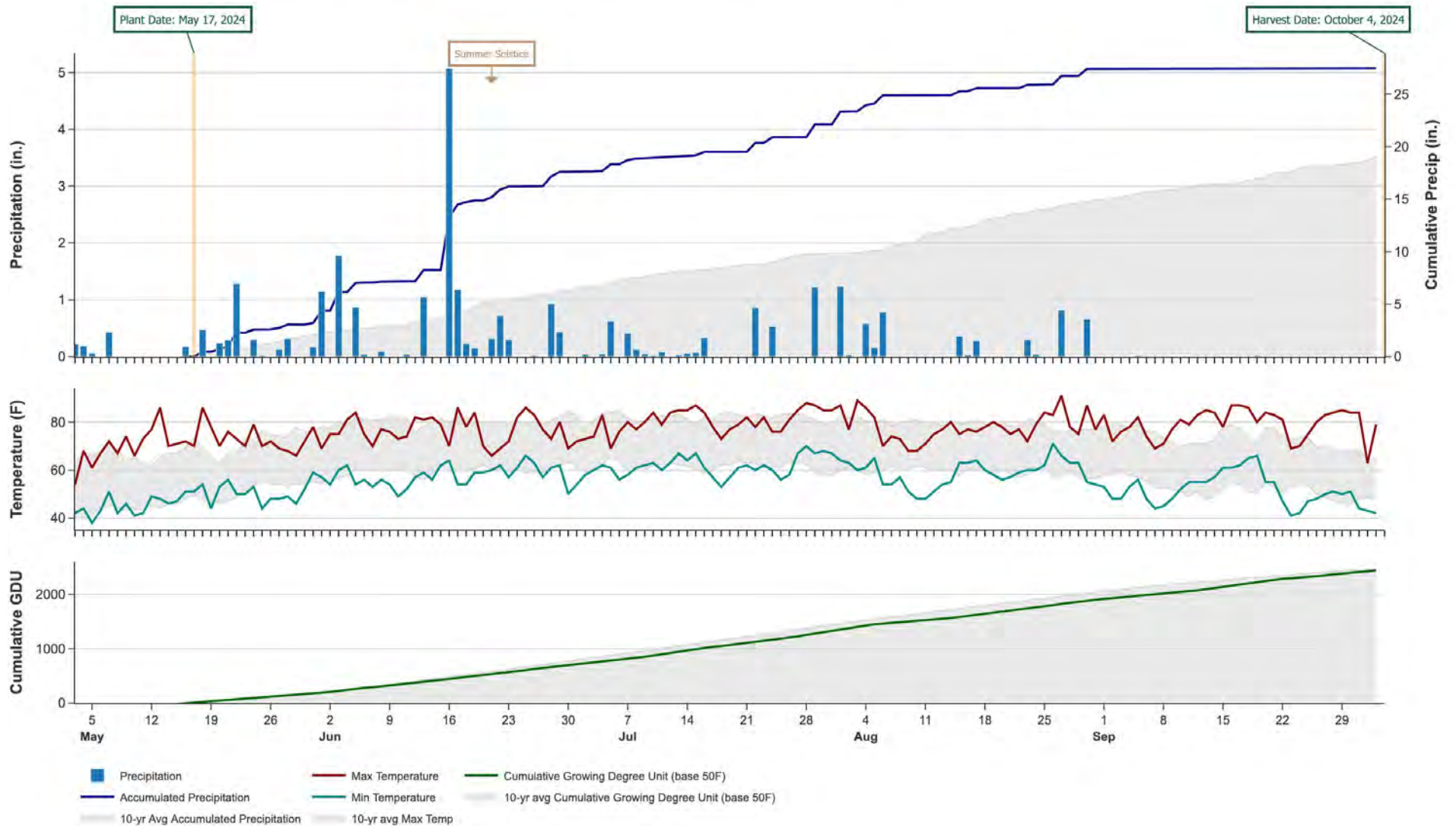
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2024 Soybeans - Minnesota South Central [MNSC]

Weather Conditions Summary at GLENCOE, MN

Weather Data Retrieved: 10/04/2024

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	4.3 4.0 (+0.3)	14.4 4.2 (+10.2)	4.5 3.6 (+0.9)	5.3 5.1 (+0.2)	0.1 3.5 (-3.4)	0.0 0.7 (-0.7)	28.5 21.0 (+7.5)
GDU Avg (Diff)	320 296 (+23)	514 598 (-84)	641 671 (-30)	566 596 (-30)	500 402 (+97)	38 23 (+14)	2579 2588 (-9)



* First monthly total starts on the date 14 days prior to planting and final monthly total ends on the harvest date.

Note: Weather information from PRISM Climate Group. Data may be revised by the provider after retrieval. FIRST will not revise or update reports to reflect any weather data changes. For information purposes only.

2024 Soybeans - Minnesota South Central [MNSC]

All-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Anderson	A154E3	E3	PK	1.5	Untreated
Anderson	A174E3	E3	M	1.7	Untreated
Anderson	A184E3	E3	PK	1.8	Untreated
Anderson	A1923XF	RXF	M	1.9	Untreated
Anderson	A203E3	E3	M	2.0	Untreated
Apex	AE1520	E3	M	1.5	F,I
Apex	AE1550	E3	PK	1.5	CMBV,SA
Apex	AE1720	E3	M	1.7	F,I
Apex	AE1940	E3	PK	1.9	F,I
Apex	AE2050	E3	PK	2.0	F,I
Asgrow	AG18XF1 §	RXF	R	1.8	ACi,IL
Asgrow	AG19XF3 §	RXF	R	1.9	ACi,IL
Asgrow	AG20XF4 §	RXF	R	2.0	ACi,IL
Dahlgren	7520XF	RXF	M	2.0	Treated
Dairyland	DSR-2055E	E3	M	2.0	Lum,Lu,IL
Dairyland	DSR-2111E	E3	PK	2.1	Lum,Lu,IL
Dairyland	DSR-2236E	E3	M	2.2	Lum,Lu,IL
Fortus	1502E	E3	M	1.5	AC, SU
Fortus	1895E	E3	PK	1.8	AC, SU
Fortus	2043E	E3	M	2.0	AC, SU
Fortus	2165E	E3	M	2.1	AC, SU
Genesis	G1560E	E3	R	1.5	EcTC
Genesis	G1590E	E3	PK	1.5	EcTC
Genesis	G1760E	E3	R	1.7	EcTC
Genesis	G1970E	E3	M	1.9	EcTC
Genesis	G1980E	E3	PK	1.9	EcTC
Genesis	G2090E	E3	PK	2.0	EcTC,SA
Genesis	G2180E	E3	M	2.1	EcTC,SA
Golden Harvest	GH1614E3	E3	PK	1.6	CMB-APX,SA
Golden Harvest	GH1875E3 §	E3	M	1.8	CMB-APX,SA
Golden Harvest	GH2004XF §	RXF	M	2.0	CMB-APX,SA
Golden Harvest	GH2292E3 §	E3	M	2.2	CMB-APX,SA
Jacobsen	J1873E3	E3	PK	1.8	F,I
Jacobsen	J1942E3	E3	PK	1.9	F,I
Jacobsen	J2223E3	E3	S	2.2	F,I
Pioneer	P14A12E §	E3	NA	1.4	Untreated
Pioneer	P20A48E §	E3	M	2.0	Untreated
Renk	RS155NXF	RXF	M	1.5	EcTC
Renk	RS194NXF	RXF	M	1.9	EcTC
Stine	17EE32 §	E3	M	1.7	TFX1,SA
Stine	20EG02 §	E3	M	2.0	TFX1,SA
Stine	22EG02 §	E3	M	2.2	TFX1,SA

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Titan Pro	TP 18E22	E3	PK	1.8	CMB-APX,SA
Xitavo	XO 1545E	E3	PK	1.5	PV,IL,OB,Rey
Xitavo	XO 1632E	E3	M	1.6	PV,IL,OB,Rey
Xitavo	XO 1822E	E3	M	1.8	PV,IL,OB,Rey
Xitavo	XO 2075E	E3	PK	2.0	PV,IL,OB,Rey
Xitavo	XO 2282E	E3	M	2.2	PV,IL,OB,Rey

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,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
AC, SU	Acceleron standard+ StepUp
CMB-APX,SA	CruiserMaxx® APX with Saltro®
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Saltro®
EcTC	Eclipse US Total Coverage Trio IM, N-Force
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Saltro®
F,I	Fungicide, Insecticide
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
TFX1,SA	Stine MyYield, Saltro
Treated	Treated, unspecified
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.