

Test by: Southern MN FIRST New Richland, MN

2024 Soybeans Top 30 Harvest Report

Minnesota South [MNSO] NEW RICHLAND, MN

Leon Schoenrock, Waseca County, MN 56072

All-Season Test	Maturity Group 1.6 - 2.3 S2024MNSO02
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Corn / Laudis, Surpass, Stinger, Atrazine
SOIL DESCRIPTION:	Canisteo-Glencoe clay loam, mod. poorly drained, non- irrigated
SOIL CONDITION:	low P, medium K, 7.0 pH, 6.2% OM, 28.9 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Liberty, Clethodim, Warrant, Endigo
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 19 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 6 124.0 /A

TEST COMMENTS:

Soil conditions were quite good at planting. Rains fell often from mid-April through mid-July. Leon summarized monthly rainfalls as April = OK; May = ridiculous; June = preposterous; July = Please Stop!; August = good. Variable yields across southern MN were closely related to field elevation and how much water was retained in individual fields. Way too much rain for about 10 weeks in most of southern MN. Leon noted very little IDC due to the heavy rains denitrifying and leaching nitrates from the soil. Bean plants grew very slowly until July, then canopied quite well by August. Aphids were sprayed at threshold levels but they did not limit yields much. Lower-yielding fields generally showed smaller seed sizes at maturity. One replicate was removed due to higher yield variation from saturated soils.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	GH2292E3 § ↗	E3	2.2	M	69.5	8.6	0	124.0	709	1
Asgrow	AG20XF4 § ↗	RXF	2.0	R	68.4	9.0	0	122.5	697	2
Titan Pro	TP 22E23 ↗	E3	2.2	M	68.0	9.0	0	126.0	694	3
Genesis	G2090E ↗	E3	2.0	PK	67.9	8.6	0	123.0	693	4
Genesis	G1970E ↗	E3	1.9	M	67.8	8.4	0	123.0	692	5
Dairyland	DSR-2236E ↗	E3	2.2	M	67.3	9.0	0	123.5	686	6
Apex	AE2050 ↗	E3	2.0	PK	67.2	9.0	0	124.5	685	7
NuTech	22N04E ↗	E3	2.2	PK	67.2	8.9	0	126.0	685	8
Apex	AE2350 ↗	E3	2.3	PK	66.9	8.9	0	124.5	682	9
Xitavo	XO 1632E ↗	E3	1.6	M	66.6	8.5	0	124.0	678	10
Dairyland	DSR-2055E ↗	E3	2.0	M	66.3	8.8	0	122.5	676	11
Xitavo	XO 2282E ↗	E3	2.2	M	66.2	8.8	0	125.0	675	12
Dairyland	DSR-2111E ↗	E3	2.1	PK	66.0	8.8	0	124.0	673	13
Dairyland	DSR-2347E ↗	E3	2.3	M	65.9	10.0	0	124.0	671	14
Xitavo	XO 1822E ↗	E3	1.8	M	65.6	8.8	0	122.5	669	15
Stine	22EG02 § ↗	E3	2.2	M	65.6	8.5	0	124.0	668	16
NuTech	21N08E ↗	E3	2.1	PK	65.2	8.7	0	124.0	665	17
Golden Harvest	GH2315E3 ↗	E3	2.3	PK	64.8	8.6	0	125.5	661	18
Fortus	2043E ↗	E3	2.0	M	64.7	8.7	0	123.0	660	19
NuTech	17N02E ↗	E3	1.7	PK	64.5	8.5	0	123.0	658	20
Genesis	G2180E ↗	E3	2.1	M	64.1	8.7	0	124.0	654	21
Pioneer	P20A48E § ↗	E3	2.0	M	63.9	8.6	0	124.5	652	22
Legacy	LSX-232-24E ↗	E3	2.3	NA	63.1	8.8	0	123.0	644	23
Xitavo	XO 2075E ↗	E3	2.0	PK	63.1	8.7	0	123.5	644	24
Fortus	1895E ↗	E3	1.8	PK	63.1	8.6	0	125.0	643	25
Fortus	2165E ↗	E3	2.1	M	63.0	8.7	0	124.0	643	26
Asgrow	AG19XF3 § ↗	RXF	1.9	R	62.7	8.4	0	124.0	639	27
Dairyland	DSR-1654E ↗	E3	1.6	M	61.6	8.5	0	124.5	628	28
Loyal	L1860E ↗	E3	1.8	PK	61.3	8.7	0	124.5	624	29
Pioneer	P19A37E § ↗	E3	1.9	NA	61.3	8.8	0	123.0	624	30

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Averages = **62.6** **8.7** **124.0** **639**

LSD (0.10) = 4.9 0.2 ns

LSD (0.25) = 2.5 0.1 ns

C.V. = 6.0 Historic yield: 62.18 bu/a, 21 yr(s)

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

Report Date: 10/06/2024

† 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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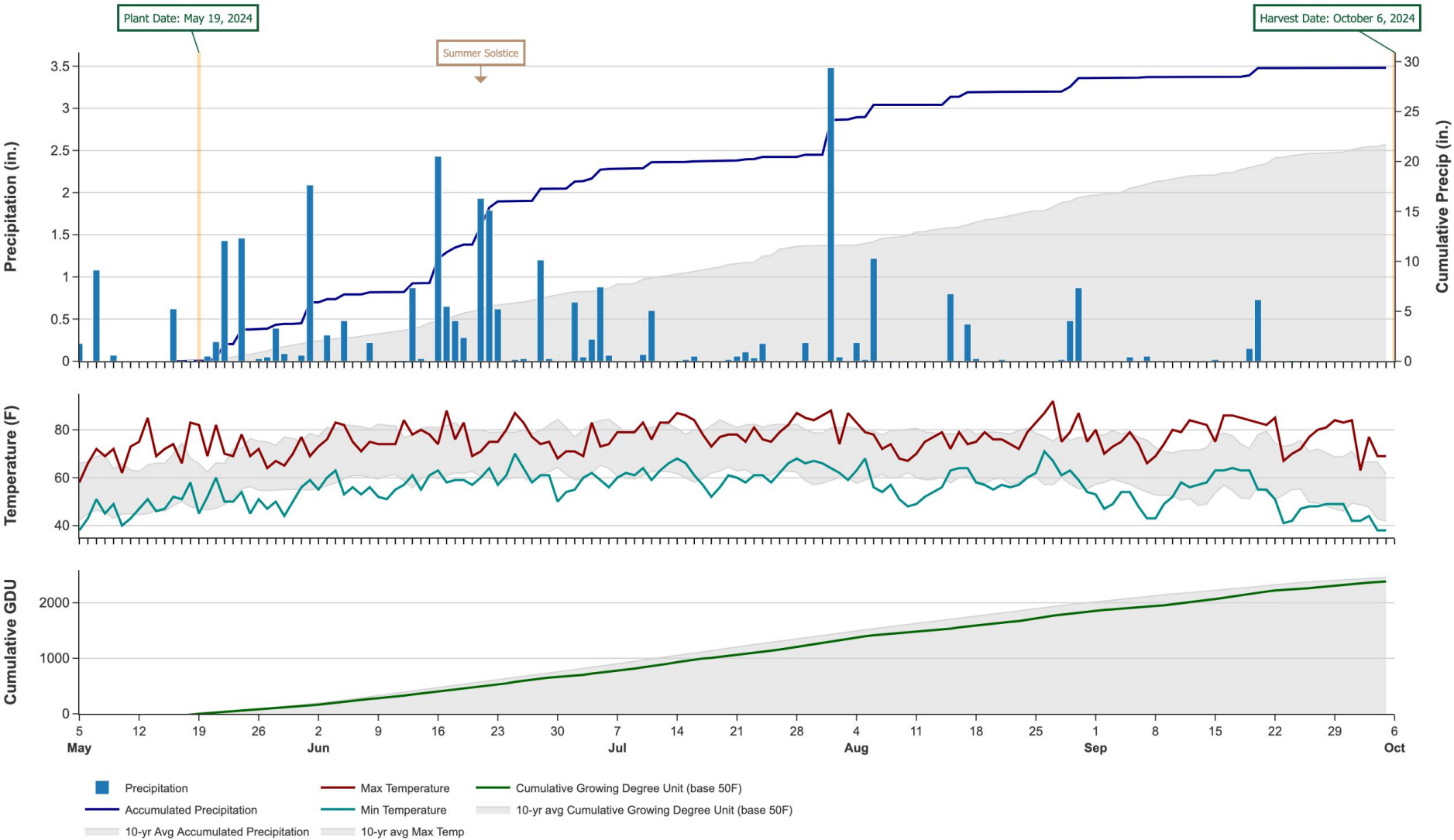
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2024 Soybeans - Minnesota South [MNSO]

Weather Conditions Summary at NEW RICHLAND, MN

Weather Data Retrieved: 10/06/2024

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	5.8 4.2 (+1.6)	13.5 4.8 (+8.6)	3.4 4.9 (-1.5)	7.7 5.0 (+2.7)	1.0 4.4 (-3.4)	0.0 0.8 (-0.8)	31.4 24.1 (+7.2)
GDU Avg (Diff)	304 280 (+23)	524 602 (-78)	624 655 (-31)	559 587 (-28)	484 416 (+67)	56 41 (+14)	2551 2583 (-32)



* 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.

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All-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Anderson	A184E3 GC	E3	PK	1.8	NA
Apex	AE2050	E3	PK	2.0	F,I
Apex	AE2350	E3	PK	2.3	CMBV,SA
Apex	AE2351	E3	M	2.3	CMBV,SA
Asgrow	AG18XF1 §	RXF	R	1.8	ACi,IL
Asgrow	AG19XF3 §	RXF	R	1.9	ACi,IL
Asgrow	AG20XF4 §	RXF	R	2.0	ACi,IL
Dairyland	DSR-1654E	E3	M	1.6	Lum,Lu,IL
Dairyland	DSR-1989E	E3	PK	1.9	Lum,Lu,IL
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
Dairyland	DSR-2347E	E3	M	2.3	Lum,Lu,IL
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	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
Genesis	G2390E	E3	PK	2.3	EcTC,SA
Genesis	G2391E	E3	M	2.3	CMBV,SA
Golden Harvest	GH1614E3 §	E3	PK	1.6	CMB-APX,SA
Golden Harvest	GH1875E3 §	E3	M	1.8	CMB-APX,SA
Golden Harvest	GH2292E3 §	E3	M	2.2	CMB-APX,SA
Golden Harvest	GH2315E3	E3	PK	2.3	Untreated
Jacobsen	J1873E3	E3	PK	1.8	F,I
Jacobsen	J1942E3	E3	PK	1.9	F,I
Jacobsen	J2223E3	E3	S	2.2	F,I
Legacy	LSX-232-24E	E3	NA	2.3	DFender
Loyal	L1860E	E3	PK	1.8	F,I,B,NE,NU
Loyal	L2160E	E3	NA	2.1	F,I,B,NE,NU
NuTech	17N02E	E3	PK	1.7	Lum, LumT, IL
NuTech	20N06E	E3	PK	2.0	Lum, LumT, IL
NuTech	21N08E	E3	PK	2.1	Lum, LumT, IL
NuTech	22N04E	E3	PK	2.2	Lum, LumT, IL
Pioneer	P19A37E §	E3	NA	1.9	Untreated
Pioneer	P20A48E §	E3	M	2.0	Untreated
Pioneer	P22A67E §	E3	M	2.2	Untreated
Stine	20EG02 §	E3	M	2.0	TFX1,SA
Stine	21EG32 §	E3	M	2.1	TFX1,SA
Stine	22EG02 §	E3	M	2.2	TFX1,SA

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Titan Pro	TP 22E23	E3	M	2.2	CMB-APX,SA
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
Xitavo	XO 2305E	E3	M	2.3	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	Cruisemaxx® Beans, Vibrance®, Saltro®
DFender	DFender (Legacy Seeds)
EcTC	Eclipse US Total Coverage Trio IM, N-Force
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Saltro®
F,I	Fungicide, Insecticide
F,I,B,NE,NU	Fungicide, Insecticide, Biological, Nematicide, Nutrition
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
TFX1,SA	Stine MyYield, Saltro
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.