

Test by: Southern MN FIRST New Richland, MN

2024 Soybeans Top 30 Harvest Report

Minnesota South [MNSO] KASSON, MN
Brian Herbst, Dodge County, MN 55944

All-Season Test	Maturity Group 1.6 - 2.3 S2024MNSO01
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Laudis, Atrazine
SOIL DESCRIPTION:	Tripoli clay loam, mod. poorly drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 7.4 pH, 4.1% OM, 24.2 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Metribuzin, S-Metolachlor, Sulfentrazone, Liberty, Warrant, Clethodim, Miravis Neo, Avenger Max
FERTILITY - Applied N:	Liquid Potassium, Manganese, Boron
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 15 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 3 125.8 /A

TEST COMMENTS:

Planted in great conditions into a soil profile that was quite dry (1.5" of water from Sept '23 to March 25, 2024) after two dry years. Then 9" of rain fell in late June, which made post-herbicide applications difficult. Rains were quite good until late August. Dry and warmer-than-normal temperatures in September caused seed size to be smaller than normal at harvest. Brian noted his group 1.6 variety surrounding the plot yielded 67 bpa, and his early beans yielded better than his later maturity group beans. Brian sprayed for aphids in mid-August. Brian reported rainfalls: Apr = 3.13" / May = 5.03" / June 12.32" / July = 4.45" / Aug 5.26" / Sept = 0.82".

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	22N04E ↗	E3	2.2	PK	64.3	9.7	0	125.3	656	1
Dairyland	DSR-2347E ↗	E3	2.3	M	62.6	9.8	0	126.0	639	2
NuTech	17N02E ↗	E3	1.7	PK	60.7	7.4	0	126.3	619	3
Golden Harvest	GH2292E3 § ↗	E3	2.2	M	60.6	8.1	0	124.0	618	4
Pioneer	P22A67E § ↗	E3	2.2	M	60.1	9.0	0	126.7	613	5
Genesis	G2391E ↗	E3	2.3	M	60.0	8.3	0	127.7	612	6
Apex	AE2350 ↗	E3	2.3	PK	59.3	8.2	0	128.0	605	7
Dairyland	DSR-1989E ↗	E3	1.9	PK	59.2	7.6	0	126.0	604	8
Titan Pro	TP 22E23 ↗	E3	2.2	M	59.1	8.5	0	125.0	603	9
Xitavo	XO 1632E ↗	E3	1.6	M	58.9	7.8	0	122.7	601	10
Genesis	G1970E ↗	E3	1.9	M	58.7	8.0	0	125.3	599	11
Dairyland	DSR-1654E ↗	E3	1.6	M	58.6	7.5	0	126.0	598	12
Dairyland	DSR-2111E ↗	E3	2.1	PK	58.6	8.4	0	126.3	598	13
Golden Harvest	GH2315E3 ↗	E3	2.3	PK	58.2	8.1	0	129.0	594	14
Apex	AE2050 ↗	E3	2.0	PK	58.0	7.7	0	127.3	592	15
Xitavo	XO 2305E ↗	E3	2.3	M	58.0	8.1	0	125.7	592	16
NuTech	21N08E ↗	E3	2.1	PK	57.9	8.6	0	125.3	591	17
Asgrow	AG20XF4 § ↗	RXF	2.0	R	57.4	8.7	0	125.7	585	18
Legacy	LSX-232-24E ↗	E3	2.3	NA	57.3	8.5	0	125.7	584	19
Genesis	G2390E ↗	E3	2.3	PK	56.8	8.7	0	125.3	579	20
Asgrow	AG19XF3 § ↗	RXF	1.9	R	56.8	7.6	0	124.0	579	21
Genesis	G2090E ↗	E3	2.0	PK	56.5	7.9	0	124.0	576	22
Golden Harvest	GH1875E3 § ↗	E3	1.8	M	56.3	7.8	0	124.7	574	23
Pioneer	P19A37E § ↗	E3	1.9	NA	56.1	8.1	0	128.3	572	24
Xitavo	XO 2075E ↗	E3	2.0	PK	56.0	7.9	0	127.0	571	25
Xitavo	XO 1822E ↗	E3	1.8	M	55.9	7.9	0	125.7	570	26
Dairyland	DSR-2236E ↗	E3	2.2	M	55.8	9.1	0	124.3	569	27
Genesis	G2180E ↗	E3	2.1	M	55.4	8.0	0	123.3	565	28
Fortus	2165E ↗	E3	2.1	M	55.4	7.9	0	124.3	565	29
Apex	AE2351 ↗	E3	2.3	M	54.9	8.4	0	128.0	560	30

<i>Mark Querna</i>					
Averages = 56.0 8.1 0 125.8 571					
LSD (0.10) = 3.9 0.3 ns					
LSD (0.25) = 2.0 0.2 ns					
C.V. = 6.6					
Historic yield: 58.97 bu/a, 23 yr(s)					

mark.querna@firstseedtests.com, (507) 380-9920 Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$10.20

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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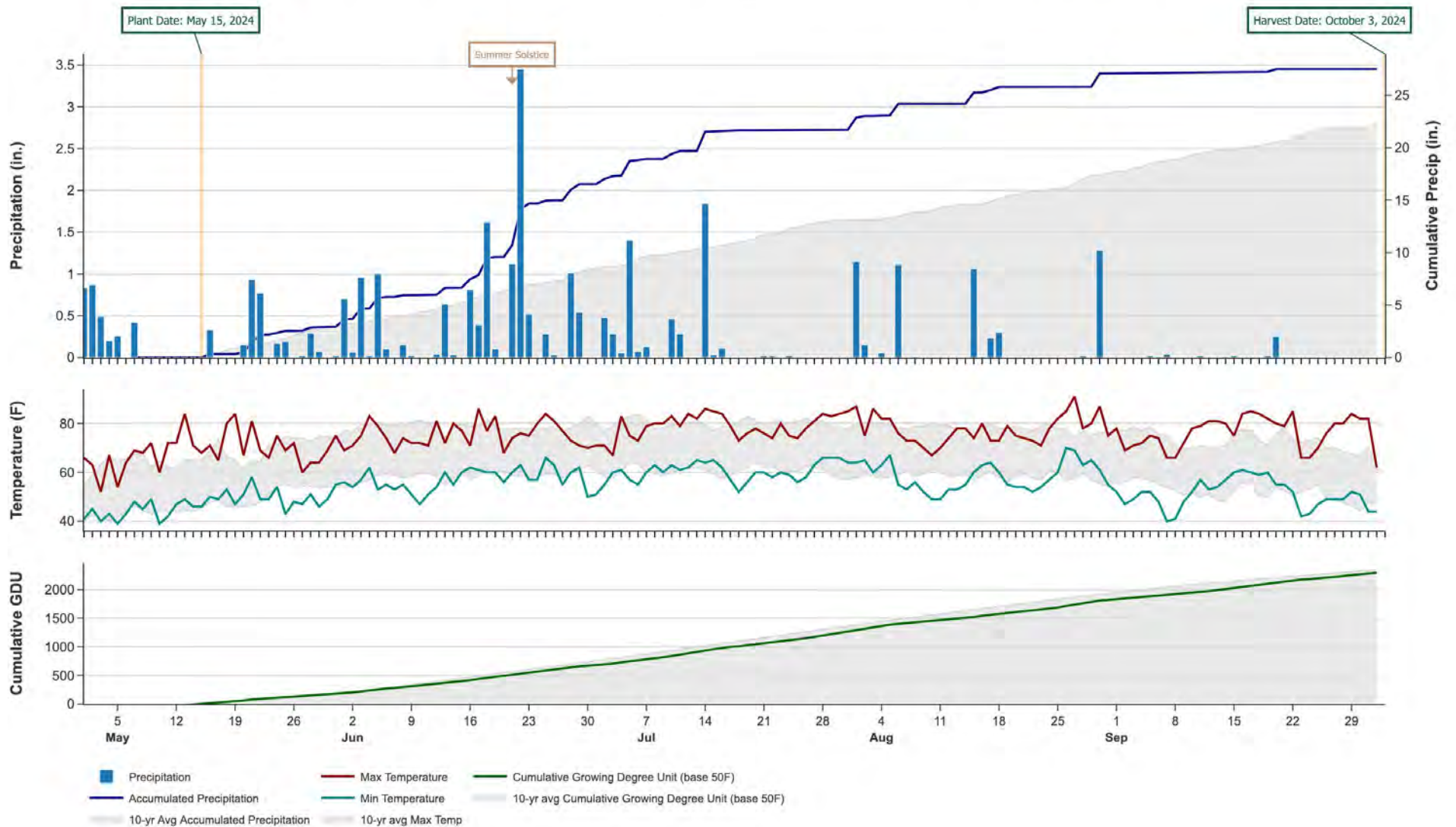
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2024 Soybeans - Minnesota South [MNSO]

Weather Conditions Summary at KASSON, MN

Weather Data Retrieved: 10/04/2024

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	6.0 5.1 (+0.9)	13.6 5.4 (+8.2)	5.2 4.8 (+0.4)	5.4 4.5 (+0.9)	0.4 4.3 (-3.9)	0.0 0.3 (-0.3)	30.6 24.3 (+6.2)
GDU Avg (Diff)	294 280 (+13)	491 559 (-68)	604 628 (-24)	552 568 (-16)	447 389 (+57)	22 17 (+4)	2410 2443 (-33)



* 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	Cruisermaxx® 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.