

Test by: Southern MN FIRST New Richland, MN

2023 Soybeans Top 30 Harvest Report

Minnesota South Central [MNSC] MADISON LAKE, MN
Mike Krenik, Le Sueur County, MN 56063

All-Season Test	Maturity Group 1.5 - 2.2 S2023MNSC08
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Surestart li, Laudis, Revulin Q
SOIL DESCRIPTION:	Le Sueur loam, moderately drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 6.1 pH, 5.6% OM, 20.6 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Authority Supreme, Liberty, Flexstar, Cobra, Section Three
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 31 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 22 125.0 /A

TEST COMMENTS:

Planted into dry soil, and pre-emerge herbicide was not effective due to lack of rain for activation. Early soybean growth was slow, but waterhemp got a terrific start. Post-emergence herbicides and cultivation took care of the weeds. July was quite dry, but good rains in early August provided just enough moisture to encourage large soybean size at harvest. Internodes were shorter than average. No disease or pest pressure was noted here.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Stine	20EG02 § ↗	E3	2.0	R	76.4	12.9	0	125.0	974	1
Xitavo	XO 1822E ↗	E3	1.8	R	75.4	12.6	0	124.0	961	2
Golden Harvest	GH2004XF § ↗	RXF	2.0	MR	75.2	12.9	0	125.7	959	3
Dyna-Gro	S16EN42 ↗	E3	1.6	R	75.2	13.0	0	126.0	959	4
Zinesto	Z2202E ↗	E3	2.2	NA	74.6	12.6	0	123.3	951	5
Asgrow	AG18XF1 § ↗	RXF	1.8	R	74.6	12.7	0	125.3	951	6
Golden Harvest	GH2292E3 GC ↗	E3	2.2	MR	73.7	12.2	0	125.7	940	7
Anderson	A1923XF ↗	RXF	1.9	MR	73.5	12.3	0	124.3	937	8
Xitavo	XO 2282E ↗	E3	2.2	R	72.8	12.4	0	124.7	928	9
Pioneer	P19A37E § ↗	E3	1.9	NA	70.5	12.3	0	124.0	899	10
Stine	14EG32 § ↗	E3	1.4	R	70.4	12.5	0	125.0	898	11
Xitavo	XO 1632E ↗	E3	1.6	R	70.3	13.1	0	125.3	896	12
Loyal	L2150E GC ↗	E3	2.1	NA	69.9	12.4	0	125.0	891	13
Zinesto	Z1502E ↗	E3	1.5	NA	69.8	12.5	0	125.7	890	14
Zinesto	Z2002E ↗	E3	2.0	NA	69.5	12.4	0	125.7	886	15
Xitavo	XO 2181E ↗	E3	2.1	R	69.4	12.8	0	123.3	885	16
Stine	19EG92 § ↗	E3	1.9	R	69.4	12.7	0	125.7	885	17
Anderson	A182E3 ↗	E3	1.8	MR	69.3	12.4	0	125.7	884	18
Genesis	G2180E ↗	E3	2.1	R	69.3	12.6	0	125.0	884	19
Dyna-Gro	S19XF62 ↗	RXF	1.9	R	69.1	13.0	0	125.3	881	20
Asgrow	AG19XF3 § ↗	RXF	1.9	R	68.8	12.3	0	124.7	877	21
Golden Harvest	GH1614E3 § ↗	E3	1.6	R	68.6	12.7	0	125.7	875	22
Zinesto	Z1802E ↗	E3	1.8	NA	68.3	12.1	0	126.0	871	23
Golden Harvest	GH1802E3 § ↗	E3	1.8	R	68.2	12.5	0	125.0	870	24
Hefty	H20E3 ↗	E3	2.0	R	67.9	12.5	0	124.7	866	25
Loyal	L1460E GC ↗	E3	1.4	NA	67.7	12.8	0	125.3	863	26
Zinesto	Z2101E ↗	E3	2.1	R	67.5	12.5	0	124.7	861	27
Dairyland	DSR-1505E ↗	E3	1.5	R	67.0	12.3	0	123.7	854	28
Stine	21EG32 GC ↗	E3	2.1	R	66.6	12.9	0	125.3	849	29
Hefty	H18E3 ↗	E3	1.8	R	66.6	12.3	0	124.7	849	30

Mark Querna

mark.querna@firstseedtests.com, (507) 380-9920

Averages = **68.3** **12.6** **125.0** **871**

LSD (0.10) = 5.3 ns ns

LSD (0.25) = 2.8 ns ns

C.V. = 7.3

Historic yield: 59.22 bu/a, 16 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$12.75; non-GMO = \$15.25

Report Date: 10/22/2023

† 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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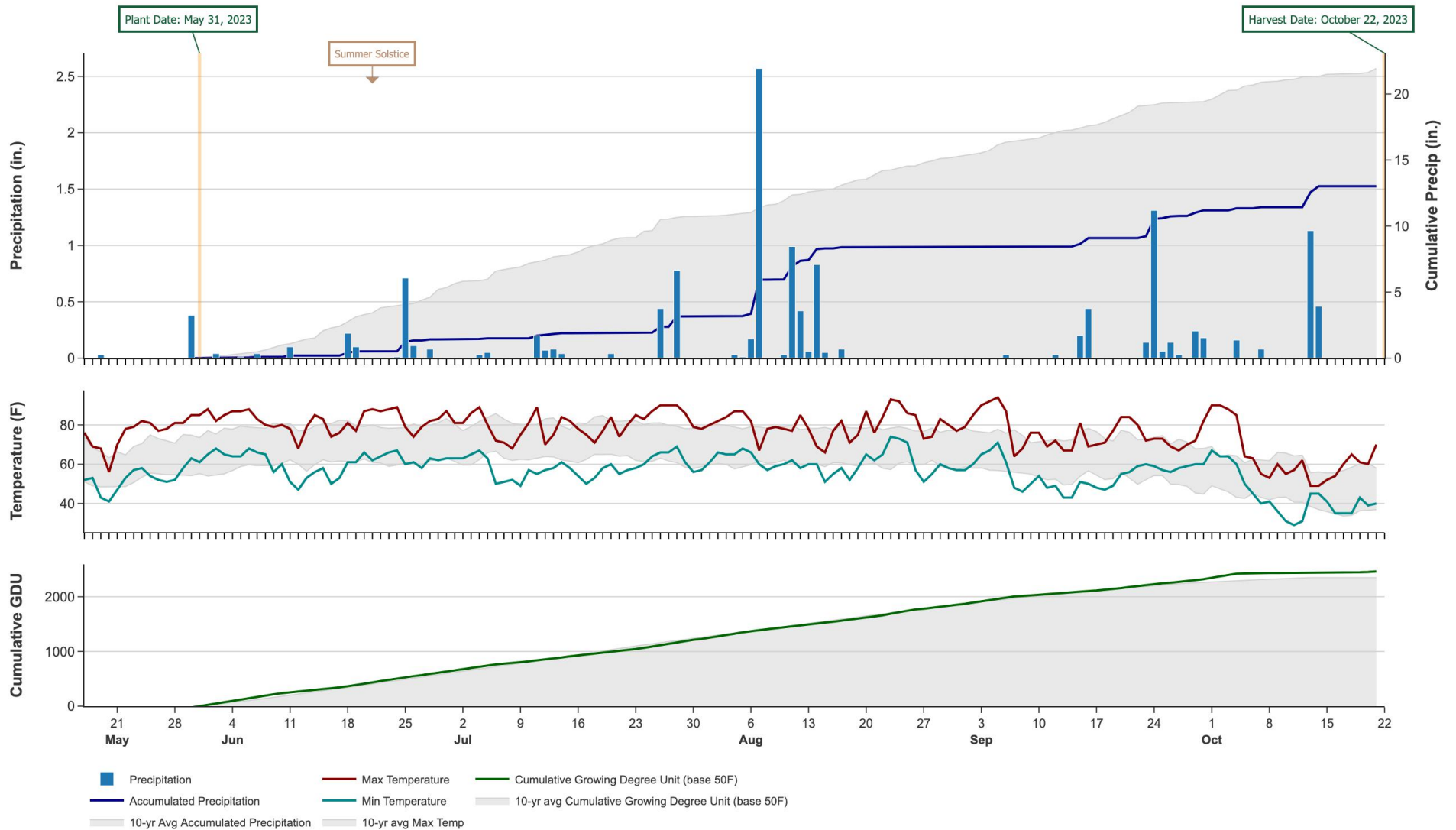
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2023 Soybeans - Minnesota South Central [MNSC]

Weather Conditions Summary at MADISON LAKE, MN

Weather Data Retrieved: 10/22/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	0.4 2.8 (-2.4)	1.4 5.3 (-3.9)	1.7 5.4 (-3.7)	5.2 4.5 (+0.7)	2.8 4.2 (-1.4)	1.8 2.5 (-0.7)	13.4 24.7 (-11.3)
GDU Avg (Diff)	227 172 (+54)	636 588 (+47)	593 671 (-78)	624 592 (+31)	468 413 (+54)	140 84 (+55)	2688 2522 (+165)



* 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 (45 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Anderson	A182E3	E3	MR	1.8	Untreated
Anderson	A1923XF	RXF	MR	1.9	Untreated
Asgrow	AG16XF3 §	RXF	R	1.6	ACi,IL
Asgrow	AG18XF1 §	RXF	R	1.8	ACi,IL
Asgrow	AG19XF3 §	RXF	R	1.9	ACi,IL
Dairyland	DSR-1505E	E3	R	1.5	Lum,Lu,IL
Dairyland	DSR-1788E	E3	R	1.7	Lum,Lu,IL
Dairyland	DSR-1919E	E3	R	1.9	Lum,Lu,IL
Dairyland	DSR-2188E	E3	R	2.1	Lum,Lu,IL
Dyna-Gro	S16EN42	E3	R	1.6	EQV,Sa,Va
Dyna-Gro	S19XF62	RXF	R	1.9	EQV,Sa,Va
Dyna-Gro	S20EN84	E3	R	2.0	EQV,Sa,Va
Genesis	G1760E	E3	R	1.7	EcQ,NF,NH,SA
Genesis	G2180E	E3	R	2.1	EcQ,NF,NH,SA
Golden Harvest	GH1614E3 §	E3	R	1.6	CMB-APX,SA
Golden Harvest	GH1802E3 §	E3	R	1.8	CMB-APX,SA
Golden Harvest	GH2004XF §	RXF	MR	2.0	CMB-APX,SA
Golden Harvest	GH2292E3 GC	E3	MR	2.2	CMB-APX,SA
Hefty	H16E4	E3	R	1.6	DST5
Hefty	H18E3	E3	R	1.8	DST5
Hefty	H20E3	E3	R	2.0	DST5
Loyal	L1460E GC	E3	NA	1.4	EcQ,NF,NH
Loyal	L2150E GC	E3	NA	2.1	EcQ,NF,NH
Pioneer	P18A73E §	E3	NA	1.8	Lum, LumT, IL
Pioneer	P19A37E §	E3	NA	1.9	Lum
Pioneer	P19A66E §	E3	NA	1.9	Lum, LumT, IL
Stine	14EG32 §	E3	R	1.4	ACi
Stine	19EG92 §	E3	R	1.9	ACi
Stine	20EG02 §	E3	R	2.0	ACi
Stine	21EG32 GC	E3	R	2.1	ACi
Titan Pro	TP 18E22	E3	R	1.8	SA,A,R,TU
Xitavo	XO 1404E	E3	R	1.4	PV,IL,OB,Rey
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
Xitavo	XO 2181E	E3	R	2.1	PV,IL,OB,Rey
Xitavo	XO 2282E	E3	R	2.2	PV,IL,OB,Rey
Zinesto	Z1502E	E3	NA	1.5	DST5
Zinesto	Z1603E	E3	R	1.6	DST5
Zinesto	Z1802E	E3	NA	1.8	DST5
Zinesto	Z1902E	E3	NA	1.9	DST5

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Zinesto	Z2002E	E3	NA	2.0	DST5
Zinesto	Z2101E	E3	R	2.1	DST5
Zinesto	Z2202E	E3	NA	2.2	DST5

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	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
CMB-APX,SA	CruiserMaxx® APX with Salstro®
DST5	Dominance 5 ST
EcQ,NF,NH	Eclipse US Total Quad-R, N-Force, N-Hibit
EcQ,NF,NH,SA	Eclipse US Total Quad-R, N-Force, N-Hibit, Saltro
EQV,Sa,Va	Equity VIP, Salstro®, Vayantis®
Lum	LumiGEN™
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Lum, LumT, IL	LumiGEN™, LumiTreo, ILeVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SA,A,R,TU	Salstro, AllegianceFL, Redigo480, TriUp
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.