

Test by: Southern MN FIRST New Richland, MN

2023 Soybeans Top 30 Harvest Report

Minnesota South [MNSO] LAMBERTON, MN
Ed Iverson, Redwood County, MN 56152

All-Season Test Maturity Group 1.6 - 2.3
S2023MNSO04

Top 30 of 45 For Gross Income
(Sorted by Yield)
Average of (3) Replications

PREV. CROP/HERB: Corn / Capreno Fb, Accent

SOIL DESCRIPTION: Romnell clay loam, mod. poorly
drained, non-irrigated

SOIL CONDITION: high P, high K, 6.1 pH, 3.9%
OM, 23.5 CEC

TILLAGE/CULTIVATION: Conventional W/ Fall Till

PEST MANAGEMENT: Prowl, Flexstar, Section Three,
Delaro, Endigo

Applied N-P-K (units): 0-0-0

SEEDED - RATE - ROW: Jun 2 130.0 /A 30" spacing

HARVESTED - STAND: Oct 11 116.2 /A

TEST COMMENTS:

The soil was fully charged with moisture before planting, and this site received good rainfall until mid-July. Dry weather was the rule for most of the rest of the summer (see the rainfall chart on page 2 of this report). The beans were standing well at harvest, with no weed, disease, or pest pressure. If rains had continued in late summer, yields could have been tremendous. Ed even cultivated this plot with a 4-row cultivator because it was fun for him!

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	MR	59.4	10.3	0	116.0	757	1
Zinesto	Z1702E ↗	E3	1.7	NA	58.2	9.4	0	114.7	742	2
Pioneer	P19A66E § ↗	E3	1.9	NA	56.7	9.6	0	115.7	723	3
Zinesto	Z1802E ↗	E3	1.8	NA	56.4	9.8	0	115.7	719	4
Loyal	L2160E GC ↗	E3	2.1	NA	56.3	10.6	0	116.0	717	5
Stine	17EE32 § ↗	E3	1.7	R	56.1	10.3	0	115.7	715	6
Jacobsen	J1942E3 ↗	E3	1.9	R	55.8	10.4	0	117.0	711	7
Pioneer	P19A37E § ↗	E3	1.9	NA	55.6	10.2	0	116.0	709	8
Titan Pro	TP 22E23 ↗	E3	2.2	R	54.6	10.0	0	117.7	696	9
Titan Pro	TP 20E22 ↗	E3	2.0	R	54.6	10.4	0	115.3	696	10
Asgrow	AG21XF2 § ↗	RXF	2.1	R	54.5	10.1	0	116.3	695	11
Asgrow	AG18XF1 § ↗	RXF	1.8	R	54.3	10.0	0	116.7	692	12
Apex	AE2140 ↗	E3	2.1	R	53.6	10.7	0	117.0	683	13
Genesis	G1760E ↗	E3	1.7	R	53.6	9.9	0	117.3	683	14
Apex	AE1441 ↗	E3	1.4	R	53.6	10.1	0	115.7	683	15
Dairyland	DSR-2310E ↗	E3	2.3	R	53.0	10.1	0	113.0	676	16
Jacobsen	2213E3 ↗	E3	2.2	NA	52.9	9.9	0	117.0	674	17
Xitavo	XO 1632E ↗	E3	1.6	R	52.4	10.6	0	116.3	668	18
Asgrow	AG19XF3 § ↗	RXF	1.9	R	52.3	9.8	1	117.0	667	19
Genesis	G2180E ↗	E3	2.1	R	51.9	10.1	0	114.3	662	20
Pioneer	P18A73E § ↗	E3	1.8	NA	51.7	9.5	0	118.0	659	21
Dairyland	DSR-2188E ↗	E3	2.1	R	51.4	10.0	0	117.3	655	22
Loyal	L1660E GC ↗	E3	1.6	NA	51.2	10.3	0	116.7	653	23
Xitavo	XO 1822E ↗	E3	1.8	R	51.2	10.5	0	115.5	653	24
Golden Harvest	GH1973E3S § ↗	E3,ST	1.9	R	51.1	10.2	0	115.7	652	25
Stine	20EG02 § ↗	E3	2.0	R	50.8	10.4	0	115.7	648	26
Zinesto	Z1902E ↗	E3	1.9	NA	50.7	9.7	0	116.3	646	27
Mustang	23E824 ↗	E3	2.3	R	50.7	9.9	0	114.7	646	28
Zinesto	Z2101E ↗	E3	2.1	R	50.7	9.7	0	115.7	646	29
Jacobsen	J1873E3 ↗	E3	1.8	R	50.6	9.8	0	117.7	645	30

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Averages = **51.8** **10.0** **0** **116.2** **661**

LSD (0.10) = 3.2 ns ns

LSD (0.25) = 1.7 ns ns

C.V. = 5.8

Historic yield: 54.69 bu/a, 3 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: 10/12/2023

† 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

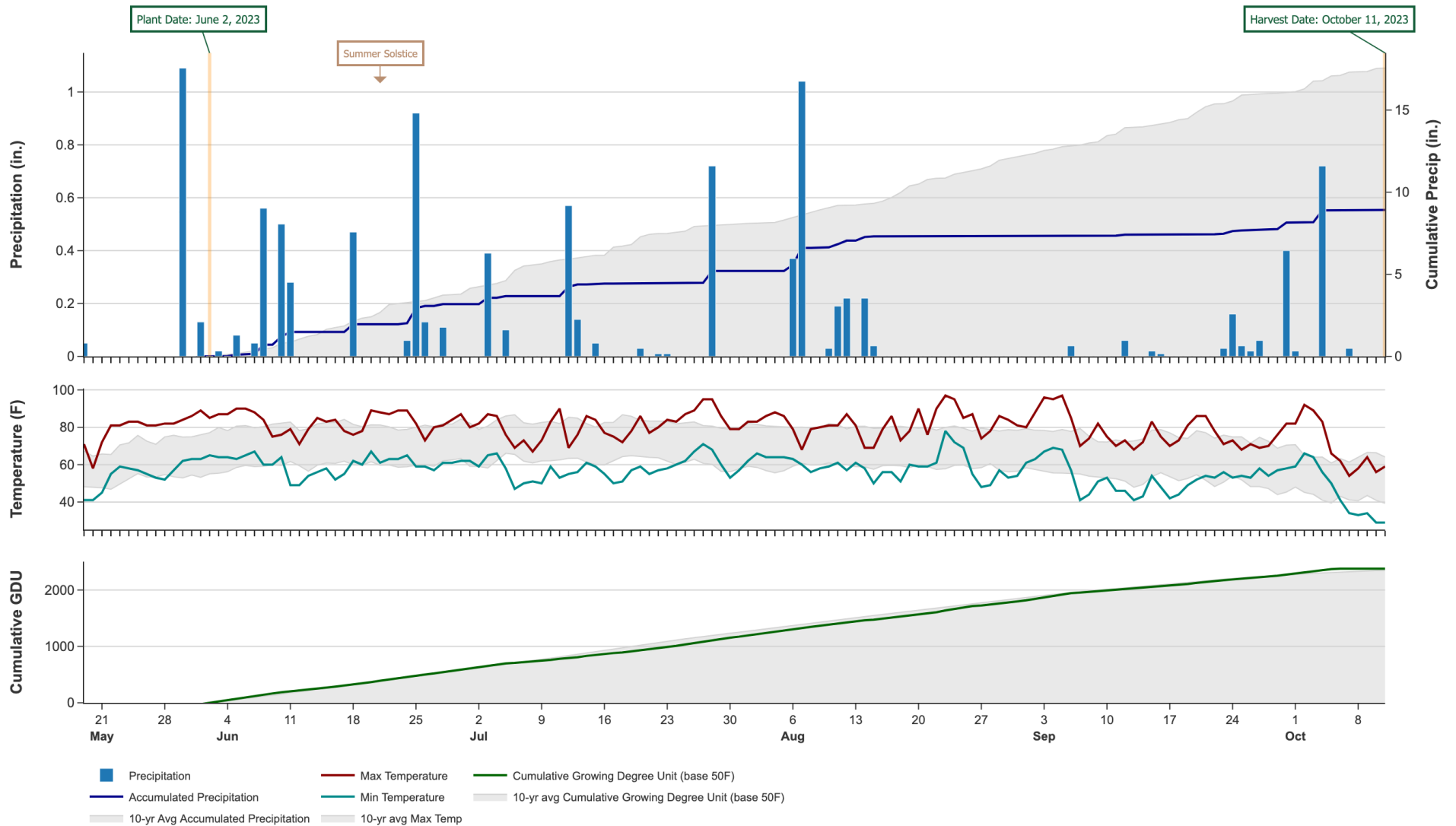
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2023 Soybeans - Minnesota South [MNSO]

Weather Conditions Summary at LAMBERTON, MN

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	1.1 2.0 (-0.8)	3.3 4.0 (-0.7)	2.0 4.3 (-2.2)	2.1 4.1 (-2.0)	0.8 3.9 (-3.1)	0.8 1.5 (-0.7)	10.2 19.8 (-9.6)
GDU Avg (Diff)	219 152 (+66)	638 600 (+37)	585 682 (-97)	625 598 (+26)	475 421 (+53)	105 80 (+24)	2647 2535 (+111)



* 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.
Apex	AE1441	E3	R	1.4	PU
Apex	AE1930	E3	R	1.9	PU
Apex	AE2140	E3	R	2.1	SA,A,R,TU
Asgrow	AG18XF1 §	RXF	R	1.8	ACi,IL
Asgrow	AG19XF3 §	RXF	R	1.9	ACi,IL
Asgrow	AG21XF2 §	RXF	R	2.1	ACi,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
Dairyland	DSR-2310E	E3	R	2.3	Lum, LumT, IL
Genesis	G1760E	E3	R	1.7	EcQ,NF,NH,SA
Genesis	G2180E	E3	R	2.1	EcQ,NF,NH,SA
Golden Harvest	GH1802E3 §	E3	R	1.8	CMB-APX,SA
Golden Harvest	GH1973E3S §	E3,ST	R	1.9	CMB-APX,SA
Golden Harvest	GH2292E3 §	E3	MR	2.2	CMB-APX,SA
Jacobsen	2213E3	E3	NA	2.2	F,I
Jacobsen	J1873E3	E3	R	1.8	F,I
Jacobsen	J1942E3	E3	R	1.9	Treated
Loyal	L1660E GC	E3	NA	1.6	EcQ,NF,NH
Loyal	L2160E GC	E3	NA	2.1	EcQ,NF,NH
Mustang	23E824	E3	R	2.3	Treated
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	17EE32 §	E3	R	1.7	ACi
Stine	19EG92 §	E3	R	1.9	ACi
Stine	20EG02 §	E3	R	2.0	ACi
Titan Pro	TP 18E22	E3	R	1.8	SA,A,R,TU
Titan Pro	TP 20E22	E3	R	2.0	SA,A,R,TU
Titan Pro	TP 22E23	E3	R	2.2	SA,A,R,TU
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
Xitavo	XO 2323E	E3	R	2.3	PV,IL,OB,Rey
Zinesto	Z1603E	E3	R	1.6	DST5
Zinesto	Z1702E	E3	NA	1.7	DST5
Zinesto	Z1802E	E3	NA	1.8	DST5
Zinesto	Z1902E	E3	NA	1.9	DST5
Zinesto	Z2002E	E3	NA	2.0	DST5

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Zinesto	Z2101E	E3	R	2.1	DST5
Zinesto	Z2202E	E3	NA	2.2	DST5
Zinesto	Z2303E	E3	R	2.3	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®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
CMB-APX,SA	CruiserMaxx® APX with Saltro®
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
F,I	Fungicide, Insecticide
Lum	LumiGEN™
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PU	Protect Ultra
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SA,A,R,TU	Saltro, AllegianceFL, Redigo480, TriUp
Treated	Treated, unspecified

* Seed treatments may include unspecified plant health promoting components.