

Test by: Southern MN FIRST New Richland, MN

2023 Soybeans Top 30 Harvest Report

Minnesota South [MNSO] EASTON, MN
Dru Martin, Faribault County, MN 56025

All-Season Test	Maturity Group 1.6 - 2.3 S2023MNSO02
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Acuron
SOIL DESCRIPTION:	Guckeen silty clay loam, moderately drained, non- irrigated
SOIL CONDITION:	medium P, medium K, 5.9 pH, 6.4% OM, 27.5 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Authority First, Liberty, Clethodim
Applied N-P-K (units):	0-0-0
SEDED - RATE - ROW:	May 25 130.0 /A 30" spacing
HARVESTED - STAND:	Oct 9 114.1 /A

TEST COMMENTS:

Early May rains delayed planting, and then it turned dry in June. Enough moisture fell to allow yields to finish just above average. Dru reports average bean yields between 44 and 67 bpa. Rainfall has varied in the region, but it has been three dry years in a row. Timely August rains helped the beans finish strong here. Dru stated that "this is the driest growing season" he has seen, and he's not sure how the crops made it through to harvest. No weeds or disease or pest pressure.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Asgrow	AG19XF3 § ↗	RXF	1.9	R	70.4	9.0	0	114.0	898	1
Mustang	23E824 ↗	E3	2.3	R	68.6	9.1	0	114.7	875	2
Pioneer	P19A37E § ↗	E3	1.9	NA	68.2	9.0	0	117.7	870	3
Titan Pro	TP 22E23 ↗	E3	2.2	R	67.8	9.0	0	114.7	864	4
Jacobsen	J1873E3 ↗	E3	1.8	R	67.7	9.0	0	113.3	863	5
Pioneer	P19A66E § ↗	E3	1.9	NA	67.6	8.5	0	109.7	862	6
Dairyland	DSR-1919E ↗	E3	1.9	R	67.3	8.7	0	111.3	858	7
Stine	17EE32 § ↗	E3	1.7	R	67.2	9.6	0	115.3	857	8
Dairyland	DSR-1788E ↗	E3	1.7	R	67.2	9.3	0	113.0	857	9
Genesis	G1760E ↗	E3	1.7	R	66.1	9.3	0	112.0	843	10
Zinesto	Z1702E ↗	E3	1.7	NA	65.9	9.3	0	117.7	840	11
Stine	19EG92 § ↗	E3	1.9	R	65.9	9.1	0	111.3	840	12
Titan Pro	TP 18E22 ↗	E3	1.8	R	65.9	9.0	0	111.7	840	13
Titan Pro	TP 20E22 ↗	E3	2.0	R	65.8	8.8	0	115.3	839	14
Zinesto	Z1802E ↗	E3	1.8	NA	64.7	9.0	0	112.0	825	15
Dairyland	DSR-2310E ↗	E3	2.3	R	64.3	9.1	0	114.7	820	16
Zinesto	Z2202E ↗	E3	2.2	NA	64.3	9.3	0	114.3	820	17
Xitavo	XO 2323E ↗	E3	2.3	R	64.0	9.1	0	112.7	816	18
Golden Harvest	GH1802E3 § ↗	E3	1.8	R	63.9	8.9	2	114.7	815	19
Apex	AE1441 ↗	E3	1.4	R	63.6	9.4	0	110.7	811	20
Golden Harvest	GH2292E3 § ↗	E3	2.2	MR	63.5	9.2	0	114.3	810	21
Xitavo	XO 2282E ↗	E3	2.2	R	63.5	9.4	0	114.7	810	22
Zinesto	Z2002E ↗	E3	2.0	NA	63.2	9.2	0	116.3	806	23
Stine	20EG02 § ↗	E3	2.0	R	63.1	9.1	0	115.3	805	24
Jacobsen	J1942E3 ↗	E3	1.9	R	62.9	9.4	0	112.3	802	25
Xitavo	XO 1761E ↗	E3	1.7	R	62.9	9.0	0	114.7	802	26
Zinesto	Z2303E ↗	E3	2.3	R	62.9	9.0	0	114.7	802	27
Jacobsen	2213E3 ↗	E3	2.2	NA	62.7	9.2	0	114.3	799	28
Asgrow	AG18XF1 § ↗	RXF	1.8	R	62.3	9.0	0	112.7	794	29
Dairyland	DSR-2188E ↗	E3	2.1	R	61.8	8.8	0	112.3	788	30

Mark Querna

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Averages = **62.9** **9.2** **0** **114.1** **802**

LSD (0.10) = 5.0 0.4 0

LSD (0.25) = 2.6 0.2 0

C.V. = 7.5

Historic yield: 57.73 bu/a, 21 yr(s)

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

Report Date: 10/10/2023

† 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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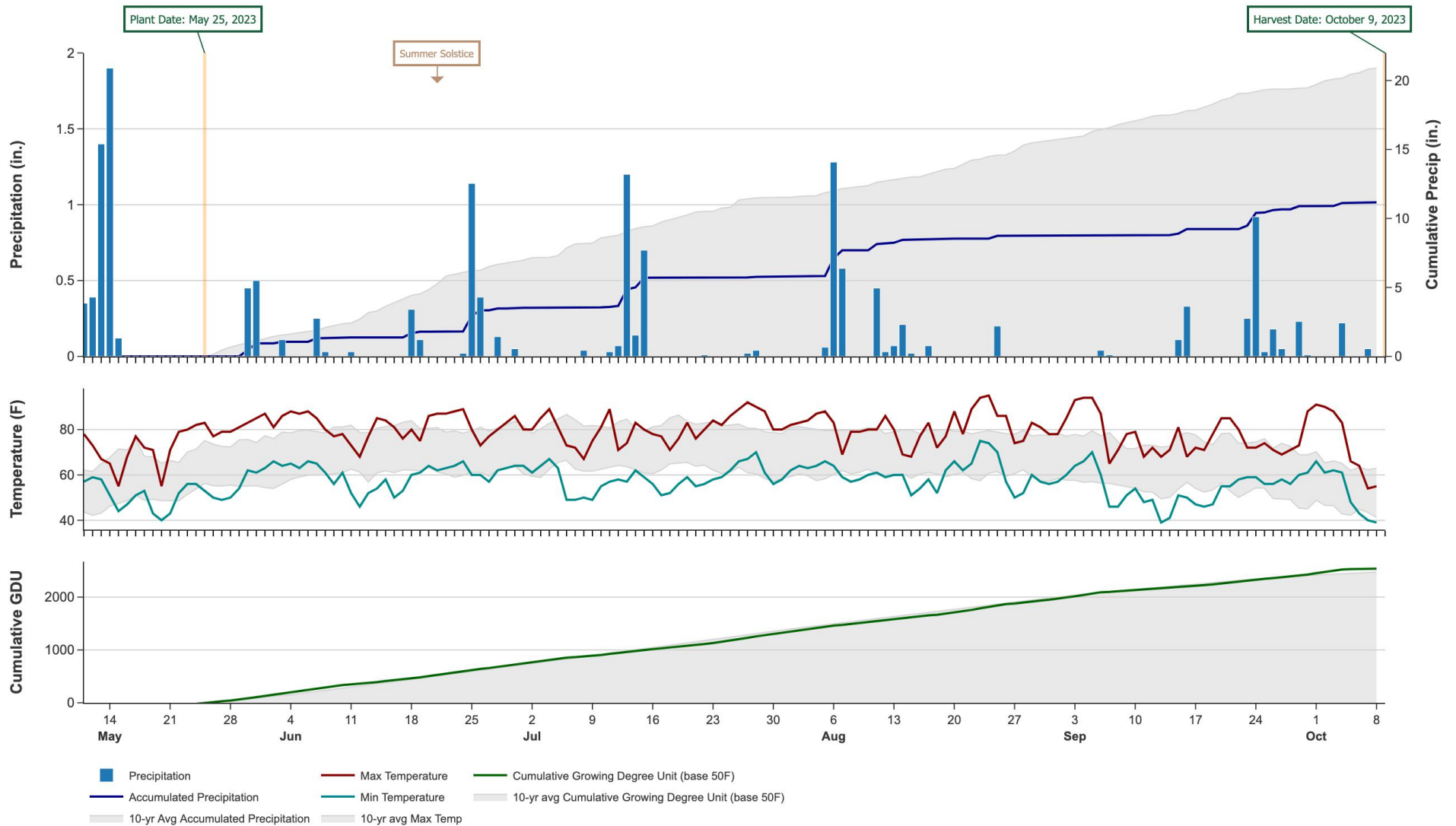
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2023 Soybeans - Minnesota South [MNSO]

Weather Conditions Summary at EASTON, MN

Weather Data Retrieved: 10/10/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	5.1 3.5 (+1.7)	2.6 5.8 (-3.2)	2.2 4.7 (-2.4)	3.0 4.1 (-1.2)	2.2 3.8 (-1.6)	0.3 1.4 (-1.2)	15.3 23.2 (-7.9)
GDU Avg (Diff)	289 230 (+58)	622 606 (+15)	590 682 (-92)	633 608 (+24)	476 428 (+47)	110 58 (+51)	2720 2616 (+103)



* 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.