

Test by: NewVenture, LLC Ellendale, MN

2023 Soybeans Top 30 Harvest Report

Minnesota Central [MNCE] BUFFALO, MN
Bill Daluge, Wright County, MN

All-Season Test	Maturity Group 1.3 - 2.0 S2023MNCE04
Top 30 of 52	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Glyphosate, Resicore, Atrazine
SOIL DESCRIPTION:	Angus-Le Sueur Complex loam, well drained, non-irrigated
SOIL CONDITION:	very high P, high K, 6.5 pH, 3.4% OM, 18.2 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Sonic, Metribuzin, Liberty
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 22 140.0 /A 30" spacing
HARVESTED - STAND:	Nov 14 126.0 /A

TEST COMMENTS:

This site had adequate moisture at planting which led to very good emergence and overall stand. Moisture was at a premium for most of the growing season but the site did get enough to keep moving along. The beans were tall and combined easily. There were some signs of isolated white mold in spots within the plot. We would like to thank Bill for hosting a plot again this year.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Thunder	TX8215N ↗	RXF	1.5	R	72.6	12.0	4	126.0	944	1
Dairyland	DSR-1505E ↗	E3	1.5	R	72.1	11.5	3	126.0	937	2
Dyna-Gro	S14XF43 ↗	RXF	1.4	MR	71.7	11.5	5	126.0	932	3
Dak-Sota	DE5117 ↗	E3	1.7	R	71.0	11.7	1	126.0	923	4
Thunder	TX8313N ↗	RXF	1.3	R	70.9	11.5	1	126.0	922	5
Apex	AE1441 GC ↗	E3	1.4	R	68.4	11.7	6	126.0	889	6
Zinesto	Z1902E ↗	E3	1.9	NA	67.4	11.9	4	126.0	876	7
Thunder	TE7415N ↗	E3	1.5	R	67.3	11.6	2	126.0	875	8
Xitavo	XO 1761E ↗	E3	1.7	R	66.1	11.9	3	126.0	859	9
Stine	20EG02 § ↗	E3	2.0	R	65.7	11.5	3	126.0	854	10
Pioneer	P13T47E § ↗	E3	1.3	NA	64.9	11.7	0	126.0	844	11
Golden Harvest	GH1323XF § ↗	RXF	1.3	R	64.6	11.6	1	126.0	840	12
Zinesto	Z1603E ↗	E3	1.6	R	64.6	11.8	3	126.0	840	13
Dyna-Gro	S20EN84 ↗	E3	2.0	R	64.5	11.6	2	126.0	838	14
Xitavo	XO 1404E ↗	E3	1.4	R	63.7	11.7	5	126.0	828	15
Thunder	TX8414N ↗	RXF	1.4	R	63.4	11.7	7	126.0	824	16
Hefty	H16E4 ↗	E3	1.6	R	63.0	11.6	2	126.0	819	17
Golden Harvest	GH2004XF ↗	RXF	2.0	MR	62.9	11.8	3	126.0	818	18
Dairyland	DSR-1788E ↗	E3	1.7	R	62.9	12.0	3	126.0	818	19
Hefty	H20E3 ↗	E3	2.0	R	62.7	11.6	3	126.0	815	20
Anderson	A203E3 ↗	E3	2.0	MR	62.0	11.6	1	126.0	806	21
Zinesto	Z1411E ↗	E3	1.4	R	61.8	11.7	4	126.0	803	22
Thunder	TX8417N ↗	RXF	1.7	R	61.6	12.2	3	126.0	801	23
Hefty	H18E3 ↗	E3	1.8	R	61.2	11.6	2	126.0	796	24
Pioneer	P19A66E § ↗	E3	1.9	NA	61.2	11.7	4	126.0	796	25
Anderson	A172E3 ↗	E3	1.7	MR	61.0	12.0	2	126.0	793	26
Anderson	A151E3 ↗	E3	1.5	NA	60.9	11.9	2	126.0	792	27
Genesis	G1560E GC ↗	E3	1.5	R	60.6	11.8	2	126.0	788	28
Pioneer	P18A73E § ↗	E3	1.8	NA	60.5	11.4	2	126.0	786	29
Xitavo	XO 1822E ↗	E3	1.8	R	60.2	11.8	1	126.0	783	30

Averages = **60.4** **11.8** **3** **126.0** **785**

LSD (0.10) = 8.7 0.2 ns

LSD (0.25) = 4.5 0.1 ns

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C.V. = 13.6

Historic yield: 59.75 bu/a, 2 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.00 Prices: GMO = \$13.00

Report Date: 11/14/2023

† 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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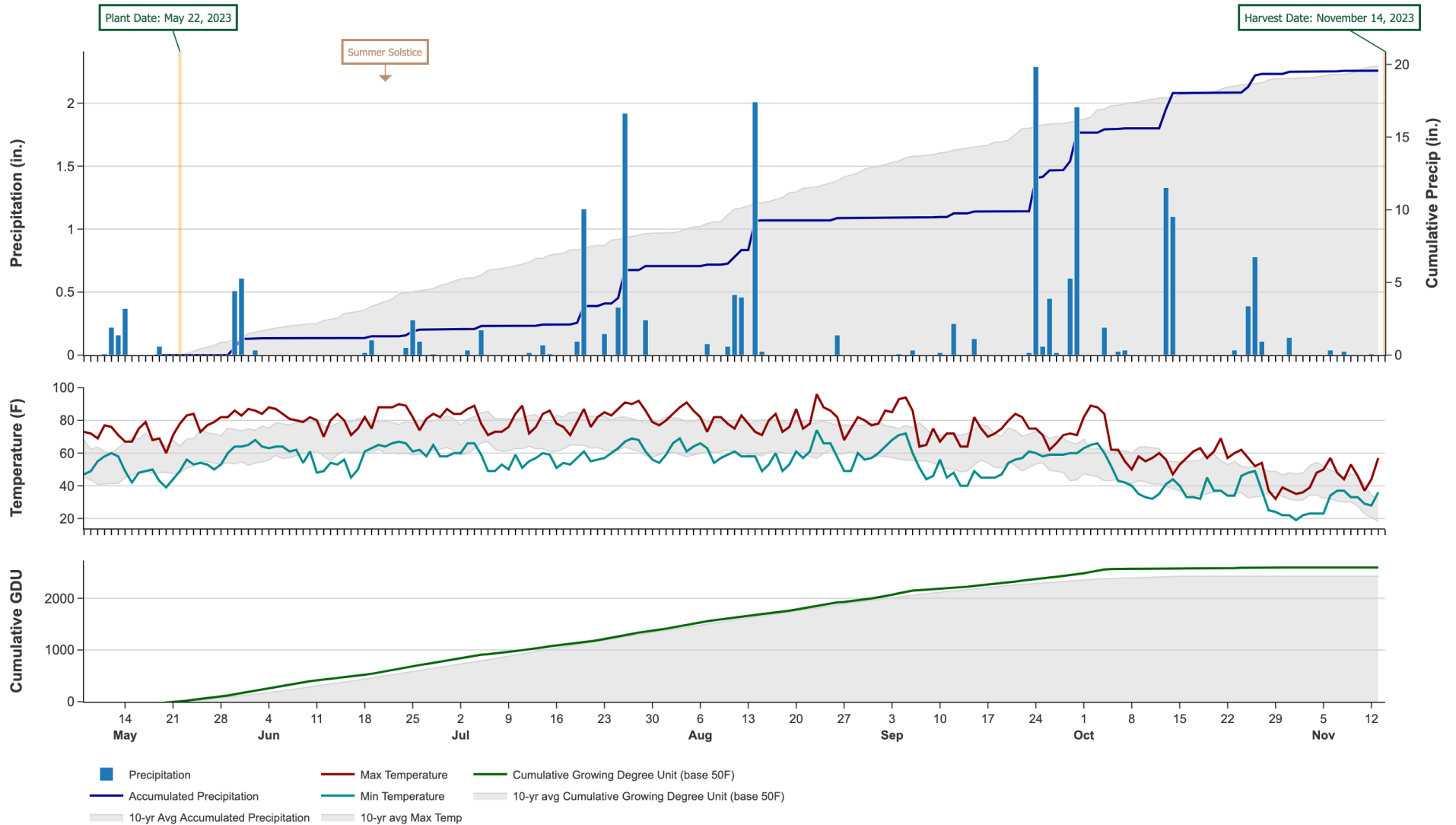
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2023 Soybeans - Minnesota Central [MNCE]

Weather Conditions Summary at BUFFALO, MN

Weather Data Retrieved: 11/14/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) (Diff)	1.9 4.0 (-2.0)	0.6 3.7 (-3.0)	4.4 3.5 (+0.9)	3.3 4.5 (-1.2)	5.9 3.3 (+2.6)	4.2 2.9 (+1.3)	0.1 0.8 (-0.7)	20.4 22.6 (-2.2)
GDU Avg (Diff)	344 234 (+109)	626 564 (+61)	599 678 (-79)	604 602 (+1)	464 388 (+75)	132 76 (+55)	0 0 (0)	2769 2543 (+225)



* 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 (52 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Anderson	A151E3	E3	NA	1.5	Untreated
Anderson	A172E3	E3	MR	1.7	Untreated
Anderson	A203E3	E3	MR	2.0	Untreated
Apex	AE1441 GC	E3	R	1.4	PU
Asgrow	AG16XF3 §	RXF	R	1.6	ACi,IL
Asgrow	AG18XF1 §	RXF	R	1.8	ACi,IL
Asgrow	AG19XF3 §	RXF	R	1.9	ACi,IL
Channel	1822RFX GC	RXF	MR	1.8	NA
Dairyland	DSR-1450E	E3,ST	R	1.4	Lum,Lu,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
Dak-Sota	DE5117	E3	R	1.7	TFI
Dak-Sota	DE5215	E3	R	1.5	TFI
Dak-Sota	DE5319	E3	R	1.9	TFI
Dak-Sota	DE5414	E3	R	1.4	TFI
Dyna-Gro	S14XF43	RXF	MR	1.4	EQV,Sa,Va
Dyna-Gro	S16EN42	E3	R	1.6	EQV,Sa,Va
Dyna-Gro	S20EN84	E3	R	2.0	EQV,Sa,Va
Genesis	G1560E GC	E3	R	1.5	EcQ,NF,NH,SA
Golden Harvest	GH1323XF §	RXF	R	1.3	CMB-APX,SA
Golden Harvest	GH1614E3 §	E3	R	1.6	CMB-APX,SA
Golden Harvest	GH1973E3S §	E3,ST	R	1.9	CMB-APX,SA
Golden Harvest	GH2004XF	RXF	MR	2.0	CMB-APX,SA
Hefty	H16E4	E3	R	1.6	DST5
Hefty	H18E3	E3	R	1.8	DST5
Hefty	H20E3	E3	R	2.0	DST5
Pioneer	P13T47E §	E3	NA	1.3	Lum, LumT, IL
Pioneer	P18A73E §	E3	NA	1.8	Lum, LumT, IL
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
Thunder	TE7415N	E3	R	1.5	TFI
Thunder	TE7419N	E3	R	1.9	TFI
Thunder	TX8215N	RXF	R	1.5	TFI
Thunder	TX8313N	RXF	R	1.3	TFI
Thunder	TX8414N	RXF	R	1.4	TFI
Thunder	TX8417N	RXF	R	1.7	TFI
Xitavo	XO 1372E	E3,ST	R	1.3	PV,IL,OB,Rey
Xitavo	XO 1404E	E3	R	1.4	PV,IL,OB,Rey
Xitavo	XO 1632E	E3	R	1.6	PV,IL,OB,Rey

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
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
Zinesto	Z1304E	E3	R	1.3	DST5
Zinesto	Z1411E	E3	R	1.4	DST5
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
Zinesto	Z2002E	E3	NA	2.0	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,SA	Eclipse US Total Quad-R, N-Force, N-Hibit, Saltro
EQV,Sa,Va	Equity VIP, Saltro®, Vayantis®
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®
TFI	ThunderStruck F&I (Thunder Seed Inc.)
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.