

Test by: NewVenture, LLC Ellendale, MN

2023 Soybeans Top 30 Harvest Report

Minnesota Central [MNCE] STARBUCK, MN
Matt Moe, Pope County, MN 56381

All-Season Test	Maturity Group 1.3 - 2.0 S2023MNCE03
Top 30 of 52	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Harnessmax, Roundup Powermax, Atrazine
SOIL DESCRIPTION:	Hokans-Buse Complex loam, well drained, non-irrigated
SOIL CONDITION:	very high P, high K, 7.9 pH, 2.5% OM, 21.3 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Liberty, Class Act, Next Generation, Fusilade Dx, Strikelock, Ams
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 20 140.0 /A 30" spacing
HARVESTED - STAND:	Nov 1 126.0 /A

TEST COMMENTS:

This plot location is about a half mile from the corn plot. Matt noted that the soybean plot received less rain than the corn site. The field is on a slight slope and I have had plots here many times and have had much higher yields. The beans shelled easily despite the high moisture. The weed control was very good and very little lodging was noted in the plot.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Zinesto	Z1902E ↗	E3	1.9	NA	48.6	16.0	0	125.7	632	1
Hefty	H18E3 ↗	E3	1.8	R	48.6	16.0	0	126.0	632	2
Hefty	H16E4 ↗	E3	1.6	R	48.1	16.2	0	126.0	624	3
Thunder	TE7415N ↗	E3	1.5	R	47.2	16.1	0	126.0	614	4
Apex	AE1441 GC ↗	E3	1.4	R	46.1	15.8	0	126.0	599	5
Zinesto	Z1802E ↗	E3	1.8	NA	44.4	16.3	0	126.0	577	6
Thunder	TE7419N ↗	E3	1.9	R	43.7	15.9	0	126.3	568	7
Golden Harvest	GH1973E3S § ↗	E3,ST	1.9	R	43.6	16.2	0	126.0	567	8
Anderson	A172E3 ↗	E3	1.7	MR	43.3	16.2	0	126.0	563	9
Stine	14EG32 § ↗	E3	1.4	R	43.2	15.8	0	126.0	562	10
Pioneer	P18A73E § ↗	E3	1.8	NA	42.3	16.2	0	126.0	550	11
Dairyland	DSR-1919E ↗	E3	1.9	R	42.0	16.1	0	126.0	546	12
Zinesto	Z2002E ↗	E3	2.0	NA	42.0	16.1	0	126.0	546	13
Asgrow	AG18XF1 § ↗	RXF	1.8	R	41.1	16.1	0	126.0	534	14
Golden Harvest	GH2004XF ↗	RXF	2.0	MR	40.8	16.0	0	126.0	530	15
Pioneer	P19A66E § ↗	E3	1.9	NA	40.0	16.2	0	126.0	520	16
Zinesto	Z1411E ↗	E3	1.4	R	39.7	16.0	0	126.0	516	17
Asgrow	AG16XF3 § ↗	RXF	1.6	R	39.5	15.9	0	126.0	514	18
Dairyland	DSR-1788E ↗	E3	1.7	R	39.3	16.1	0	126.0	511	19
Xitavo	XO 1761E ↗	E3	1.7	R	39.3	15.9	0	125.7	511	20
Asgrow	AG19XF3 § ↗	RXF	1.9	R	38.8	16.0	0	126.3	504	21
Stine	20EG02 § ↗	E3	2.0	R	38.6	16.1	0	126.3	502	22
Dyna-Gro	S20EN84 ↗	E3	2.0	R	38.3	16.2	0	126.0	498	23
Dak-Sota	DE5319 ↗	E3	1.9	R	38.3	16.0	0	126.0	498	24
Zinesto	Z1304E ↗	E3	1.3	R	37.7	16.0	0	126.0	490	25
Dak-Sota	DE5117 ↗	E3	1.7	R	37.4	16.1	0	126.0	486	26
Xitavo	XO 1822E ↗	E3	1.8	R	37.4	15.8	0	126.0	486	27
Thunder	TX8313N ↗	RXF	1.3	R	37.1	15.8	0	126.0	482	28
Xitavo	XO 1971E ↗	E3	1.9	R	37.0	16.1	0	126.0	481	29
Xitavo	XO 1632E ↗	E3	1.6	R	36.5	16.2	0	126.0	474	30

Averages = **38.0** **16.0** **0** **126.0** **493**

LSD (0.10) = 6.7 0.2 ns

LSD (0.25) = 3.5 0.1 ns

Ed Dahle

ed.dahle@firstseedtests.com, (507) 456-6624

C.V. = 16.8

Historic yield: 45.2 bu/a, 8 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.00 Prices: GMO = \$13.00

Report Date: 11/01/2023

† 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

©2023, All rights reserved to Farmers' Independent Research of Seed Technologies, LLC.

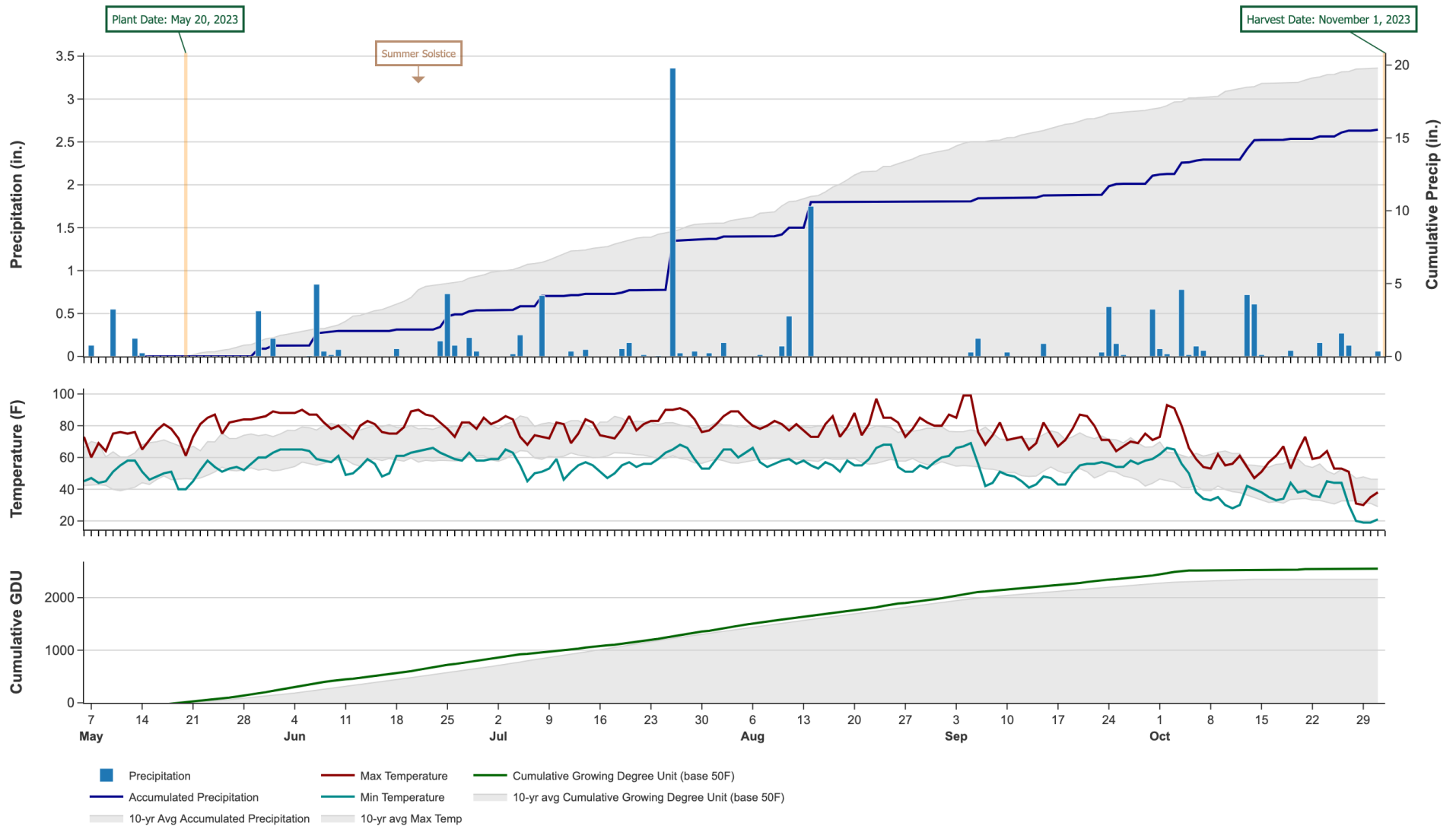
Additional reports available at www.firstseedtests.com

2023 Soybeans - Minnesota Central [MNCE]

Weather Conditions Summary at STARBUCK, MN

Weather Data Retrieved: 11/01/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	1.5 3.4 (-1.9)	2.6 4.4 (-1.8)	4.9 3.5 (+1.4)	2.5 4.9 (-2.4)	1.8 3.0 (-1.2)	3.2 2.8 (+0.4)	16.5 22.0 (-5.5)
GDU Avg (Diff)	376 244 (+131)	617 542 (+74)	551 649 (-98)	600 575 (+24)	452 376 (+75)	129 77 (+51)	2725 2464 (+260)



* 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.

2023 Soybeans - Minnesota Central [MNCE]

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.