

Test by: NewVenture, LLC Ellendale, MN

2023 Soybeans Top 30 Harvest Report

Minnesota Central [MNCE] CANBY, MN

Austen Citrowski, Yellow Medicine County, MN

All-Season Test	Maturity Group 1.3 - 2.0 S2023MNCE02
Top 30 of 52	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Acetochlor, Atrazine, Laudis
SOIL DESCRIPTION:	Fordville Loam, Calco Silty Clay loam, well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 5.7 pH, 5.0% OM, 24.7 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Flexstar, Glyphosate, Liberty
Applied N-P-K (units):	0-0-0
SEDED - RATE - ROW:	May 27 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 23 126.4 /A

TEST COMMENTS:

The plot was planted in extremely dry conditions. The site did receive a good rain not long after planting which made for great germination and emergence. Then it turned bone dry for about a month and a half. Austen noted that there were spots of iron deficiency chlorosis (IDC) that showed up in portions of the plot. Weed control was good overall. Due to yield variability from IDC areas, the results were rejected.

Company/Brand	Product/Brand	Yield †	Mo	Shrink	Yield Bu/a	Moisture %	Drying %	Stand (x 1000)	Gross Income \$/Acre	Rank
Chancellor	4020R2 GC +	80F	1.8	NA	88.8	12.8	0	127.0	788	1
Holly	40203 +	03	2.0	R	88.4	12.8	8	126.7	772	2
Argus	4020R2 G +	80F	1.9	R	84.7	12.8	0	126.3	771	3
Thunder	7040R6 +	80F	1.4	R	84.8	13.0	0	126.3	770	4
Bliss	40 1820E +	03	1.8	R	84.3	12.8	16	126.3	768	5
Zenith	Z1800E +	03	2.0	NA	84.0	12.8	3	127.0	807	6
Argus	4020R2 G +	80F	1.8	R	83.9	13.1	0	126.3	804	7
Argus	4020R2 GC +	03	1.4	R	83.9	13.0	0	127.0	800	8
Dorland	00A 1780E +	03	1.7	R	80.7	13.1	0	126.7	808	9
Dorland	00A 1780E +	03	1.7	R	80.1	13.1	16	126.7	801	10
Dorland	00A 1800E +	03	1.7	R	80.0	12.8	3	126.3	800	11
Zenith	Z1800E +	03	1.8	NA	80.0	13.0	0	126.0	804	12
Orion	01800E GC +	03	1.9	R	80.0	13.0	1	126.0	802	13
Dorland	01800E +	03	1.7	R	80.0	13.0	0	126.0	807	14
Thunder	7040R6 +	80F	1.7	R	87.3	13.0	0	127.0	815	15
Dorland	01800E +	03	1.7	R	87.1	13.0	2	127.0	812	16
Zenith	Z1800E +	03	1.8	R	86.9	13.1	0	126.0	810	17
Argus	40203 +	03	2.0	NA	86.7	13.1	0	127.0	807	18
Bliss	40 1820E +	03	1.4	R	86.2	13.0	0	126.3	801	19
Thunder	7040R6 +	80F	1.5	R	85.8	13.1	0	126.3	806	20
Dorland	00A 1780E +	03	1.8	R	85.5	12.8	0	126.7	802	21
Dorland	00A 1780E +	03	1.7	R	85.1	12.8	0	126.3	800	22
Golden Harvest	00A 1800E G +	03	1.8	R	84.8	13.1	1	126.3	802	23
Holly	40203 +	03	1.8	R	84.7	13.0	0	126.0	801	24
Bliss	40 1820E +	03	1.7	R	84.2	13.1	0	126.7	875	25
Proven	71800E G +	03	1.8	NA	83.8	12.8	0	126.3	807	26
Golden Harvest	00A 1800E G +	80F	1.3	R	83.2	13.0	0	126.7	802	27
Thunder	7040R6 +	80F	1.7	R	82.9	13.0	0	126.0	808	28
Zenith	Z1800E +	03	1.4	R	82.3	12.8	0	126.0	800	29
Holly	40203 +	03	1.8	R	81.4	12.8	0	126.3	808	30



Averages = **43.8** **13.0** **2** **126.4** **557**
 LSD (0.10) = 9.5 0.3 ns
 LSD (0.25) = 5.0 0.1 ns
 C.V. = 20.6 Historic yield: 54.32 bu/a, 2 yr(s)

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

Report Date: 10/24/2023

† 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

Additional reports available at www.firstseedtests.com

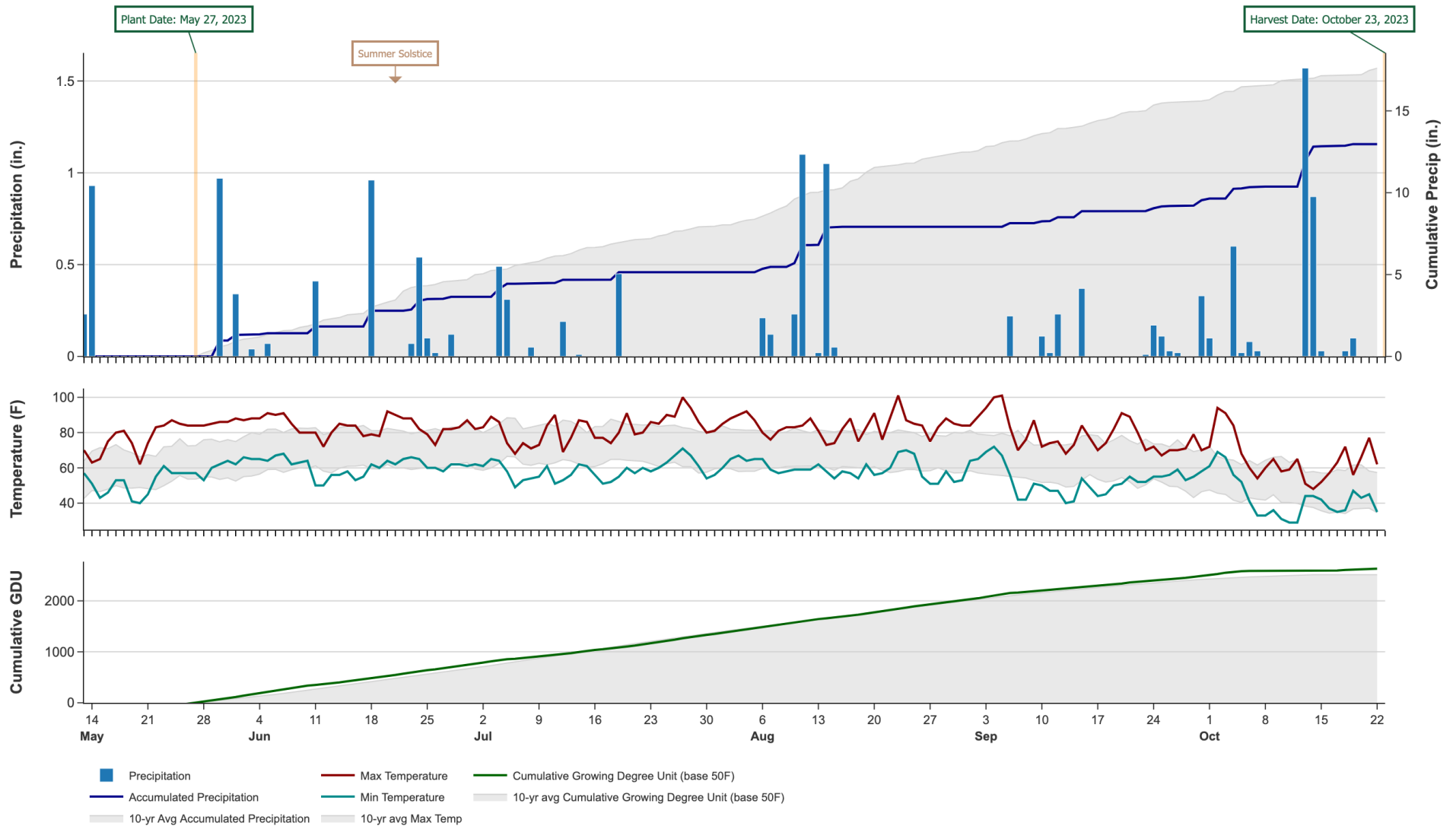
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2023 Soybeans - Minnesota Central [MNCE]

Weather Conditions Summary at CANBY, MN

Weather Data Retrieved: 10/24/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	2.1 2.5 (-0.3)	2.7 4.0 (-1.3)	1.5 3.3 (-1.8)	2.8 4.5 (-1.8)	1.6 3.1 (-1.5)	3.4 2.0 (+1.4)	14.1 19.4 (-5.2)
GDU Avg (Diff)	319 219 (+99)	654 610 (+43)	607 707 (-100)	650 617 (+32)	481 426 (+54)	148 90 (+57)	2859 2671 (+187)



* 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.