

Test by: MNS Seed Testing, LLC New Richland, MN

2023 Soybeans Top 30 Harvest Report

South Dakota East Central [SDEC] JEFFERSON, SD
Austin Chicoino, Union County, SD

All-Season Test	Maturity Group 1.6 - 2.3 S2023SDEC08
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Roundup
SOIL DESCRIPTION:	Haynie silt loam, well drained, non-irrigated
SOIL CONDITION:	very low P, very high K, 8.0 pH, 2.3% OM, 17.9 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Sonic, Liberty, Roundup
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 20 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 24 117.9 /A

TEST COMMENTS:

There was very little rainfall right after planting at this location. Steady rainfall returned in June and July, and this plot was hit by some white mold. Weed control was very good here. Wet conditions in the area have slowed soybean harvest.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dak-Sota	DE5414 ↗	E3	1.4	R	52.3	12.8	4	117.0	628	1
Dak-Sota	DE5412 GC ↗	E3	1.2	R	51.6	13.8	3	118.7	619	2
Golden Harvest	GH1973E3S § ↗	E3,ST	1.9	R	51.6	12.6	3	118.7	619	3
Thunder	TE7419N ↗	E3	1.9	R	50.6	13.4	2	120.3	607	4
Dak-Sota	DE5215 ↗	E3	1.5	R	50.2	13.2	4	118.7	602	5
Stine	20EG02 § ↗	E3	2.0	R	50.2	13.5	4	116.7	602	6
Dairyland	DSR-1919E ↗	E3	1.9	R	49.6	12.5	5	117.0	595	7
Dairyland	DSR-2310E ↗	E3	2.3	R	49.3	12.6	6	116.7	592	8
Xitavo	XO 1761E ↗	E3	1.7	R	49.2	11.6	3	117.0	590	9
Channel	1822RXF § ↗	RXF	1.8	MR	49.2	13.1	3	116.0	590	10
Zinesto	Z2101E ↗	E3	2.1	R	49.1	14.0	4	120.0	589	11
Genesis	G1560E ↗	E3	1.5	R	48.8	13.8	2	120.0	586	12
Hefty	H22XF4 ↗	RXF	2.2	R	48.2	12.2	4	117.7	578	13
Xitavo	XO 1822E ↗	E3	1.8	R	47.9	13.0	3	118.7	575	14
Xitavo	XO 2323E ↗	E3	2.3	R	47.5	12.1	5	117.0	570	15
Dairyland	DSR-1788E ↗	E3	1.7	R	47.2	12.7	4	118.7	566	16
Xitavo	XO 1372E ↗	E3,ST	1.3	R	47.2	13.4	4	116.7	566	17
Golden Harvest	GH2292E3 ↗	E3	2.2	MR	46.6	12.3	4	118.7	559	18
Pioneer	P18A73E § ↗	E3	1.8	NA	46.6	13.0	4	118.3	559	19
Pioneer	P19A66E § ↗	E3	1.9	NA	46.5	11.9	4	117.0	558	20
Dak-Sota	DE5117 ↗	E3	1.7	R	46.4	11.7	4	116.7	557	21
Hefty	H18XF2 ↗	RXF	1.8	NA	46.1	12.7	6	119.7	553	22
Xitavo	XO 2282E ↗	E3	2.2	R	46.0	13.5	6	119.0	552	23
Asgrow	AG19XF3 § ↗	RXF	1.9	R	45.6	12.5	6	119.0	547	24
Golden Harvest	GH2004XF § ↗	RXF	2.0	MR	45.5	11.6	6	118.3	546	25
Stine	21EG32 § ↗	E3	2.1	R	45.4	14.1	3	118.7	545	26
Zinesto	Z1902E ↗	E3	1.9	NA	45.3	12.1	4	118.7	544	27
Dak-Sota	DE5319 ↗	E3	1.9	R	45.1	12.4	4	117.0	541	28
Asgrow	AG18XF1 § ↗	RXF	1.8	R	44.8	13.6	4	118.3	538	29
Hefty	H14XF3 ↗	RXF	1.4	R	44.5	13.1	7	115.0	534	30



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Averages = **45.5** **12.9** **4** **117.9** **546**

LSD (0.10) = 5.0 0.9 ns

LSD (0.25) = 2.6 0.4 ns

C.V. = 10.3

Historic yield: new site

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.00 Prices: GMO = \$12.00

Report Date: 10/25/2023

† 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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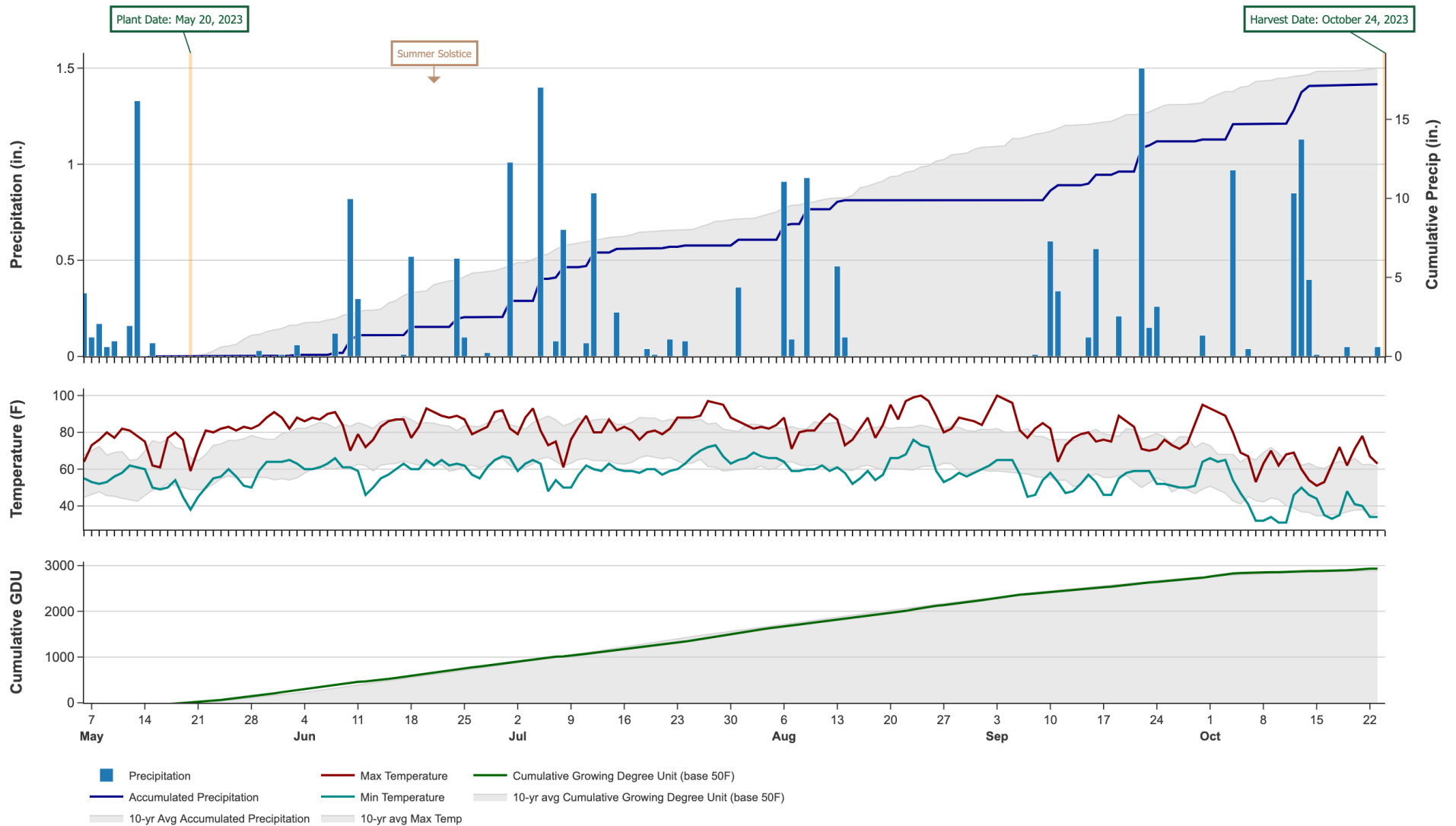
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2023 Soybeans - South Dakota East Central [SDEC]

Weather Conditions Summary at JEFFERSON, SD

Weather Data Retrieved: 10/25/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	2.3 3.4 (-1.0)	2.5 3.9 (-1.4)	4.9 3.1 (+1.8)	2.5 4.4 (-1.9)	3.8 3.0 (+0.9)	3.5 2.2 (+1.3)	19.5 19.9 (-0.4)
GDU Avg (Diff)	410 306 (+103)	660 674 (-14)	662 750 (-88)	692 678 (+13)	514 494 (+19)	197 128 (+68)	3135 3033 (+101)



* 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 (48 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG18XF1 §	RXF	R	1.8	ACi,IL
Asgrow	AG19XF3 §	RXF	R	1.9	ACi,IL
Asgrow	AG21XF2 §	RXF	R	2.1	ACi,IL
Channel	1822RXF §	RXF	MR	1.8	Untreated
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,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	DE5412 GC	E3	R	1.2	TFI
Dak-Sota	DE5414	E3	R	1.4	TFI
Genesis	G1560E	E3	R	1.5	ACi,IL
Genesis	G1980E	E3	R	1.9	EcQ,NF,NH,SA
Genesis	G2180E	E3	R	2.1	EcQ,NF,NH,SA
Golden Harvest	GH1864XF §	RXF	MR	1.8	CMB-APX,SA
Golden Harvest	GH1973E3S §	E3,ST	R	1.9	CMB-APX,SA
Golden Harvest	GH2004XF §	RXF	MR	2.0	CMB-APX,SA
Golden Harvest	GH2292E3	E3	MR	2.2	CMB-APX,SA
Hefty	H14XF3	RXF	R	1.4	DST5
Hefty	H15XF2	RXF	NA	1.5	DST5
Hefty	H16E4	E3	R	1.6	DST5
Hefty	H18E3	E3	R	1.8	DST5
Hefty	H18XF2	RXF	NA	1.8	DST5
Hefty	H20E3	E3	R	2.0	DST5
Hefty	H21XF2	RXF	NA	2.1	DST5
Hefty	H22XF4	RXF	R	2.2	DST5
Mustang	23E824	E3	R	2.3	Treated
Pioneer	P18A73E §	E3	NA	1.8	Lum, LumT, IL
Pioneer	P19A66E §	E3	NA	1.9	Lum, LumT, IL
Stine	19EG92 §	E3	R	1.9	ACi
Stine	20EG02 §	E3	R	2.0	ACi
Stine	21EG32 §	E3	R	2.1	ACi
Thunder	TE7419N	E3	R	1.9	TFI
Thunder	TX8215N	RXF	R	1.5	TFI
Thunder	TX8417N	RXF	R	1.7	TFI
Xitavo	XO 1372E	E3,ST	R	1.3	PV,IL,OB,Rey
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 2181E	E3	R	2.1	PV,IL,OB,Rey

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Xitavo	XO 2282E	E3	R	2.2	PV,IL,OB,Rey
Xitavo	XO 2323E	E3	R	2.3	PV,IL,OB,Rey
Zinesto	Z1900E	E3	R	1.9	DST5
Zinesto	Z1902E	E3	NA	1.9	DST5
Zinesto	Z2101E	E3	R	2.1	DST5
Zinesto	Z2202E	E3	NA	2.2	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
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
TFI	ThunderStruck F&I (Thunder Seed Inc.)
Treated	Treated, unspecified
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.