

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

## 2023 Soybeans Top 30 Harvest Report

South Dakota East Central [SDEC] ELKTON, SD

Jim Johansen, Lincoln County, SD

<b>All-Season Test</b>	Maturity Group 1.6 - 2.3 S2023SDEC07
<b>Top 30 of 47</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Roundup
<b>SOIL DESCRIPTION:</b>	Kranzburg-Brookings silty clay loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	high P, medium K, 5.3 pH, 4.3% OM, 19.7 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/O Fall Till
<b>PEST MANAGEMENT:</b>	Round-Up, Liberty
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 18 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 9 105.5 /A

### TEST COMMENTS:

The field average around the plot was about 35 bushels per acre. We walked the plot and removed volunteer corn. The Extend varieties showed damage from a sprayer boom not being cleaned out well enough. These were really clean beans at harvest. The area was short of moisture this summer and yields suffered. Results will not be included in Region Summary due to damage to RXF varieties.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Zinesto	Z2101E ↗	E3	2.1	R	<b>47.2</b>	12.0	7	112.3	566	1
Zinesto	Z1900E ↗	E3	1.9	R	<b>44.6</b>	12.0	7	118.3	535	2
Xitavo	XO 1372E ↗	E3,ST	1.3	R	<b>43.2</b>	12.0	11	103.0	518	3
Pioneer	P19A66E § ↗	E3	1.9	NA	<b>43.1</b>	11.0	22	115.3	517	4
Xitavo	XO 1632E ↗	E3	1.6	R	<b>42.9</b>	12.6	8	104.0	515	5
Genesis	G2180E ↗	E3	2.1	R	<b>42.2</b>	12.5	9	107.0	506	6
Dairyland	DSR-1788E ↗	E3	1.7	R	<b>42.1</b>	11.0	11	105.0	505	7
Pioneer	P18A73E § ↗	E3	1.8	NA	<b>41.4</b>	11.3	11	111.0	497	8
Xitavo	XO 2181E ↗	E3	2.1	R	<b>41.3</b>	11.8	10	107.0	496	9
Golden Harvest	GH1973E3S § ↗	E3,ST	1.9	R	<b>41.0</b>	12.0	10	119.0	492	10
Xitavo	XO 2323E ↗	E3	2.3	R	<b>40.4</b>	11.9	12	112.3	485	11
Xitavo	XO 1761E ↗	E3	1.7	R	<b>39.5</b>	10.7	15	114.7	474	12
Genesis	G1560E ↗	E3	1.5	R	<b>39.2</b>	12.1	12	113.3	470	13
Dak-Sota	DE5412 GC ↗	E3	1.2	R	38.3	12.3	6	111.3	460	14
Thunder	TE7419N ↗	E3	1.9	R	38.3	12.0	9	111.3	460	15
Golden Harvest	GH2292E3 ↗	E3	2.2	MR	38.1	11.6	10	116.7	457	16
Dak-Sota	DE5215 ↗	E3	1.5	R	38.1	12.1	7	112.3	457	17
Dak-Sota	DE5117 ↗	E3	1.7	R	38.0	11.6	8	114.0	456	18
Xitavo	XO 1822E ↗	E3	1.8	R	37.9	11.8	7	112.3	455	19
Golden Harvest	GH2004XF § ↗	RXF	2.0	MR	37.0	11.5	13	110.0	444	20
Zinesto	Z1902E ↗	E3	1.9	NA	36.5	11.6	16	112.0	438	21
Hefty	H20E3 ↗	E3	2.0	R	36.4	11.5	7	113.3	437	22
Stine	21EG32 § ↗	E3	2.1	R	36.4	12.8	7	112.0	437	23
Stine	20EG02 § ↗	E3	2.0	R	35.7	12.6	14	107.7	428	24
Hefty	H16E4 ↗	E3	1.6	R	35.6	11.7	6	108.3	427	25
Dak-Sota	DE5319 ↗	E3	1.9	R	35.0	11.4	7	111.0	420	26
Mustang	23E824 ↗	E3	2.3	R	34.8	11.7	5	111.3	418	27
Dairyland	DSR-2188E ↗	E3	2.1	R	33.2	11.7	6	114.7	398	28
Stine	19EG92 § ↗	E3	1.9	R	32.9	11.1	10	110.0	395	29
Zinesto	Z2202E ↗	E3	2.2	NA	31.8	11.5	10	115.3	382	30



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Averages = **32.6** **11.6** **18** **105.5** **391**

LSD (0.10) = 6.1 0.5 12

LSD (0.25) = 3.2 0.3 6

C.V. = 17.6

Historic yield: new site

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

Report Date: 10/14/2023

† 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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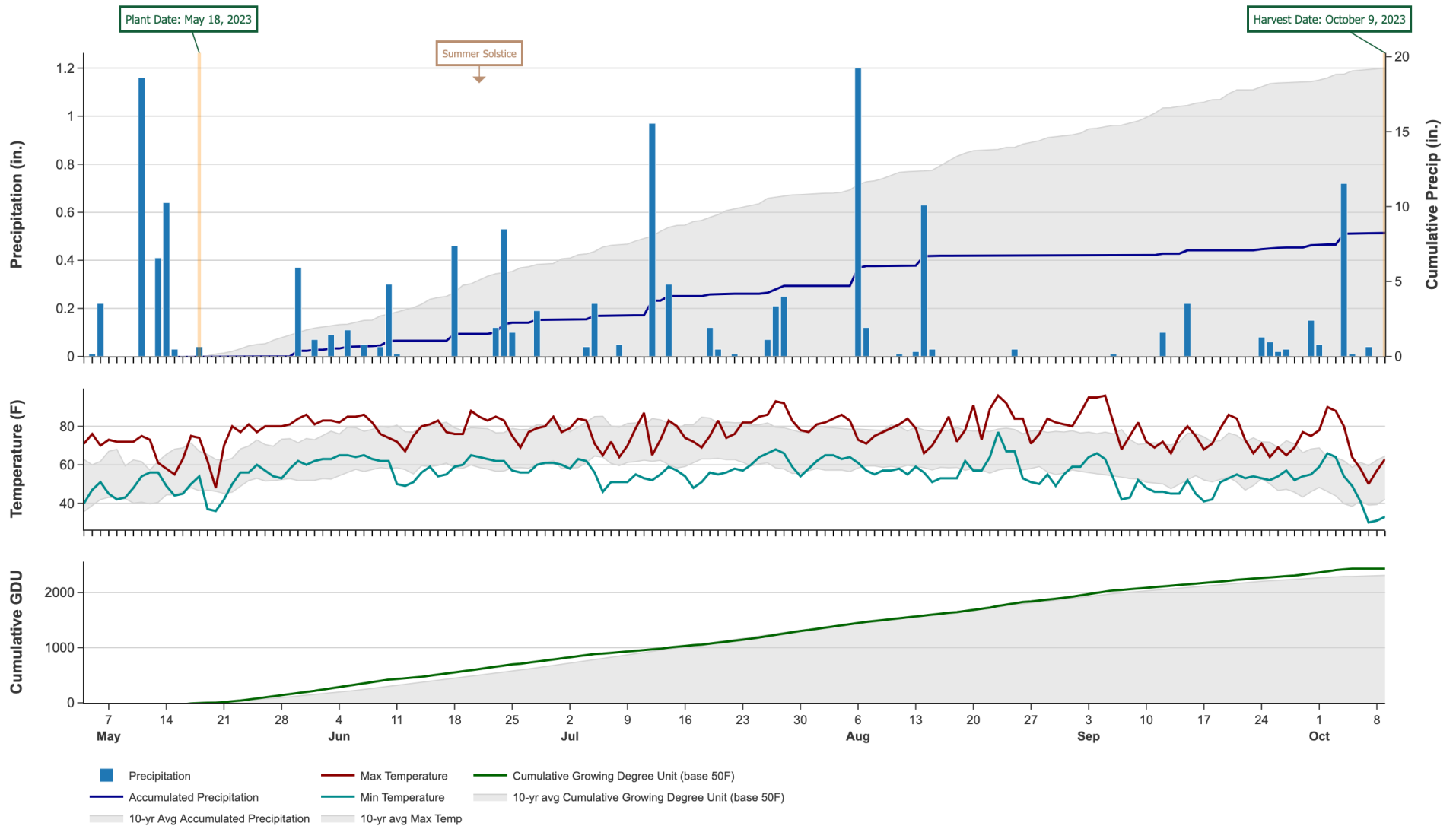
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# 2023 Soybeans - South Dakota East Central [ SDEC ]

## Weather Conditions Summary at ELKTON, SD

Weather Data Retrieved: 10/14/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   (Diff)	2.9   4.1 (-1.2)	2.1   4.4 (-2.4)	2.3   4.6 (-2.4)	2.0   3.9 (-1.9)	0.7   3.6 (-2.9)	0.8   0.9 (-0.1)	10.8   21.6 (-10.8)
GDU   Avg (Diff)	349   223 (+125)	593   546 (+46)	532   644 (-112)	586   560 (+25)	434   381 (+52)	94   48 (+45)	2588   2403 (+184)



\* 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 - South Dakota East Central [ SDEC ]

### All-Season Test Products (47 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	E3	R	1.2	TFI
Dak-Sota	DE5414	E3	R	1.4	TFI
Genesis	G1560E	E3	R	1.5	ACi,IL
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
Xitavo	XO 2282E	E3	R	2.2	PV,IL,OB,Rey

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
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

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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

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S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

### Soybeans Technologies

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E3	Enlist E3®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

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### Soybeans Seed Treatments\*

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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

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\* Seed treatments may include unspecified plant health promoting components.