

# 2023 Soybeans Top 30 Region Summary for South Dakota East Central [SDEC]

**All-Season Test**  
**Maturity Group 1.6 - 2.3**  
S2023SDEC

**Top 30 of 47**

For Gross Income (Sorted by Yield), (6) Replication Average

Company/Brand	Product/Brand	Technol.†	RM	SCN	Yield Bu/A ↓	Protein (%)	Oil (%)	Moisture %	Lodging %	Gross Income \$/Acre	Rank	Arlington <b>REJECTED</b>	Colton	Elkton <b>REJECTED</b>	Jefferson
GOLDEN HARVEST	GH1973E3S §	E3,ST	1.9	R	59.6	32.8	20.0	11.5	4	715	1	22.0	<b>67.6</b>	<b>41.0</b>	<b>51.6</b>
DAIRYLAND	DSR-1788E	E3	1.7	R	57.1	<b>35.5</b>	19.1	11.6	5	685	2	22.5	<b>67.0</b>	<b>42.1</b>	47.2
DAK-SOTA	DE5412 GC	E3	1.2	R	56.4	34.3	19.9	12.1	7	677	3	28.2	61.2	38.3	<b>51.6</b>
HEFTY	H18XF2	RXF	1.8	NA	55.7	33.5	19.9	11.4	9	669	4	19.2	<b>65.3</b>	15.0	46.1
STINE	21EG32 §	E3	2.1	R	55.4	33.6	20.2	12.6	4	665	5	28.7	<b>65.3</b>	36.4	45.4
XITAVO	XO 1822E	E3	1.8	R	55.1	34.1	19.6	11.7	4	661	6	32.8	62.2	38.8	47.9
DAIRYLAND	DSR-1919E	E3	1.9	R	54.8	31.8	<b>20.5</b>	11.3	5	657	7	26.6	59.9	38.8	49.6
HEFTY	H22XF4	RXF	2.2	R	54.6	33.8	19.5	11.1	4	655	8	21.8	60.9	28.8	48.2
GENESIS	G1560E	E3	1.5	R	53.9	34.0	19.9	12.2	4	647	9	28.1	58.9	38.8	48.8
THUNDER	TE7419N	E3	1.9	R	53.7	33.5	19.8	11.8	3	645	10	21.8	56.8	38.8	<b>50.6</b>
THUNDER	TX8215N	RXF	1.5	R	53.3	34.8	19.4	11.9	7	639	11	31.8	64.2	13.8	42.3
GOLDEN HARVEST	GH2004XF §	RXF	2.0	MR	53.3	34.3	19.4	10.8	4	639	12	28.1	61.0	38.8	45.5
DAK-SOTA	DE5414	E3	1.4	R	52.9	34.6	20.2	11.5	4	635	13	21.8	53.4	38.8	<b>52.3</b>
STINE	20EG02 §	E3	2.0	R	52.8	33.5	20.4	12.0	6	633	14	23.4	55.3	38.8	50.2
XITAVO	XO 2323E	E3	2.3	R	52.7	34.7	19.8	11.1	4	633	15	21.8	57.9	48.4	47.5
PIONEER	P18A73E §	E3	1.8	NA	52.4	34.5	19.7	11.6	4	630	16	22.8	58.3	48.4	46.6
XITAVO	XO 1372E	E3,ST	1.3	R	52.2	33.4	20.2	11.8	4	626	17	21.8	57.1	48.4	47.2
ZINESTO	Z2101E	E3	2.1	R	51.9	34.4	19.4	12.0	4	622	19	19.8	54.6	48.4	49.1
CHANNEL	1822RFX §	RXF	1.8	MR	51.8	33.1	19.6	11.5	4	622	20	17.8	54.5	18.8	49.2
HEFTY	H18E3	E3	1.8	R	51.8	32.8	20.4	11.5	4	623	18	21.8	62.3	28.7	41.4
DAIRYLAND	DSR-2310E	E3	2.3	R	51.8	<b>35.4</b>	19.6	11.4	6	622	21	21.8	54.3	28.7	49.3
ASGROW	AG19XF3 §	RXF	1.9	R	51.8	32.4	20.1	11.4	8	622	22	21.8	58.0	28.7	45.6
XITAVO	XO 2181E	E3	2.1	R	51.6	34.4	19.4	11.6	4	620	23	21.8	60.8	48.4	42.4
PIONEER	P19A66E §	E3	1.9	NA	51.5	34.1	19.5	10.8	6	619	24	21.8	56.6	48.4	46.5
DAK-SOTA	DE5215	E3	1.5	R	51.5	34.2	19.9	11.8	5	618	25	31.9	52.8	38.8	50.2
XITAVO	XO 1761E	E3	1.7	R	51.3	34.2	19.7	10.9	4	615	26	18.4	53.3	39.5	49.2
XITAVO	XO 2282E	E3	2.2	R	50.6	33.8	19.5	11.8	5	607	27	22.3	55.2	30.0	46.0
STINE	19EG92 §	E3	1.9	R	50.6	32.9	20.0	11.3	5	607	28	26.9	60.5	32.9	40.6
HEFTY	H14XF3	RXF	1.4	R	50.5	34.5	18.8	11.9	7	606	29	23.9	56.5	16.5	44.5
HEFTY	H15XF2	RXF	1.5	NA	50.3	34.6	19.7	11.7	12	604	30	21.9	58.8	18.9	41.8

Variability due to hail damage

Herbicide damage to RXF varieties



Mark Tollefson

mark.tollefson@firstseedtests.com, (507) 456-2357

<b>Averages =</b>	<b>51.2</b>	<b>34.0</b>	<b>19.7</b>	<b>11.5</b>	<b>5</b>	<b>614</b>	<b>24.7</b>	<b>56.8</b>	<b>32.6</b>	<b>45.5</b>
LSD (0.10) =	ns	1.0	0.7	ns	ns		5.7	7.7	6.1	5.0
LSD (0.25) =	ns	0.5	0.4	ns	ns		3.0	4.0	3.2	2.6

Prev. years average yield for region: 52.92 bu/a, 16 yr(s)

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.06 Prices: GMO = \$12.00

† 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 product's results at www.firstseedtests.com. Oil & Protein values average of 1 sample per location. \* 2 reps for the site.

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## 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 GC	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.