

Test by: Peterson Seed Testing LLC ,

2024 Soybeans Top 30 Harvest Report

South Dakota East Central [SDEC] TEA, SD
Ryan Bonsall, Lincoln County, SD

All-Season Test	Maturity Group 1.6 - 2.3 S2024SDEC06
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Surestart, Impact
SOIL DESCRIPTION:	Huntimer silty clay loam, well drained, non-irrigated
SOIL CONDITION:	high P, very high K, 6.9 pH, 5.7% OM, 21.3 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Authority First, Roundup, Liberty, Volunteer
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 18 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 9 114.0 /A

TEST COMMENTS:

This site was planted on May 18th in ideal soil conditions. Several inches of rain fell in the following days, hindering emergence. June brought excess moisture and flooding to the area. There was a drier finish to the growing season, with just a couple of timely rains in August. Warm September weather brought this crop to maturity quickly. Plants stood well at harvest, and no disease pressure was noted.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Thunder	TE7415N ↗	E3	1.5	PK	61.3	8.4	1	115.0	619	1
Dak-Sota	DE5215 GC ↗	E3	1.5	M	58.7	8.3	1	113.7	593	2
Genesis	G1760E ↗	E3	1.7	R	58.5	8.3	1	115.0	591	3
Dairyland	DSR-2055E ↗	E3	2.0	M	58.3	8.3	1	113.7	589	4
Pioneer	P19A37E § ↗	E3	1.9	NA	56.9	8.3	1	113.7	575	5
Golden Harvest	GH2292E3 § ↗	E3	2.2	M	56.7	8.3	1	114.0	573	6
Apex	AE1520 ↗	E3	1.5	M	56.6	8.4	1	113.0	571	7
Dairyland	DSR-2111E ↗	E3	2.1	PK	56.5	8.4	1	114.3	571	8
Dairyland	DSR-2236E ↗	E3	2.2	M	56.3	8.3	1	115.0	569	9
Xitavo	XO 2075E ↗	E3	2.0	PK	56.3	8.4	1	115.0	569	10
Dak-Sota	DE5117 ↗	E3	1.7	M	56.2	8.3	1	114.3	568	11
Xitavo	XO 1632E ↗	E3	1.6	M	55.9	8.3	1	114.3	565	12
Stine	22EG02 § ↗	E3	2.2	M	55.8	8.4	1	113.7	564	13
Stine	17EE32 § ↗	E3	1.7	M	55.4	8.2	1	113.3	560	14
Pioneer	P22A67E § ↗	E3	2.2	M	55.3	8.3	1	113.7	559	15
Pioneer	P21A53E GC ↗	E3	2.1	M	55.2	8.3	1	114.3	558	16
Asgrow	AG18XF1 § ↗	RXF	1.8	R	55.0	8.4	1	113.7	556	17
Connect	CT1523E GC ↗	E3	1.5	M	54.8	8.2	1	114.3	553	18
Golden Harvest	GH2004XF § ↗	RXF	2.0	M	54.5	8.3	1	113.3	550	19
Asgrow	AG19XF3 § ↗	RXF	1.9	R	54.5	8.4	1	113.7	550	20
Xitavo	XO 1822E ↗	E3	1.8	M	54.4	8.3	1	113.3	549	21
Fortus	2165E ↗	E3	2.1	M	53.3	8.4	1	115.0	538	22
Golden Harvest	GH1762XF § ↗	RXF	1.7	M	53.0	8.3	1	115.0	535	23
Fortus	1895E ↗	E3	1.8	PK	52.9	8.3	1	115.0	534	24
Dairyland	DSR-2347E ↗	E3	2.3	M	52.7	8.4	1	113.7	532	25
Asgrow	AG20XF4 § ↗	RXF	2.0	R	52.2	8.4	1	113.7	527	26
Xitavo	XO 2282E ↗	E3	2.2	M	52.0	8.4	1	113.0	525	27
Pioneer	P20A48E § ↗	E3	2.0	M	52.0	8.7	1	113.3	525	28
Xitavo	XO 2305E ↗	E3	2.3	M	51.9	8.6	1	114.3	524	29
Pioneer	P16T05E GC ↗	E3	1.6	NA	51.4	8.2	1	113.0	519	30

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Averages = **53.3** **8.3** **1** **114.0** **539**

LSD (0.10) = 4.2 ns ns

LSD (0.25) = 2.2 ns ns

C.V. = 7.5

Historic yield: new site

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.00 Prices: GMO = \$10.10

Report Date: 10/11/2024

† 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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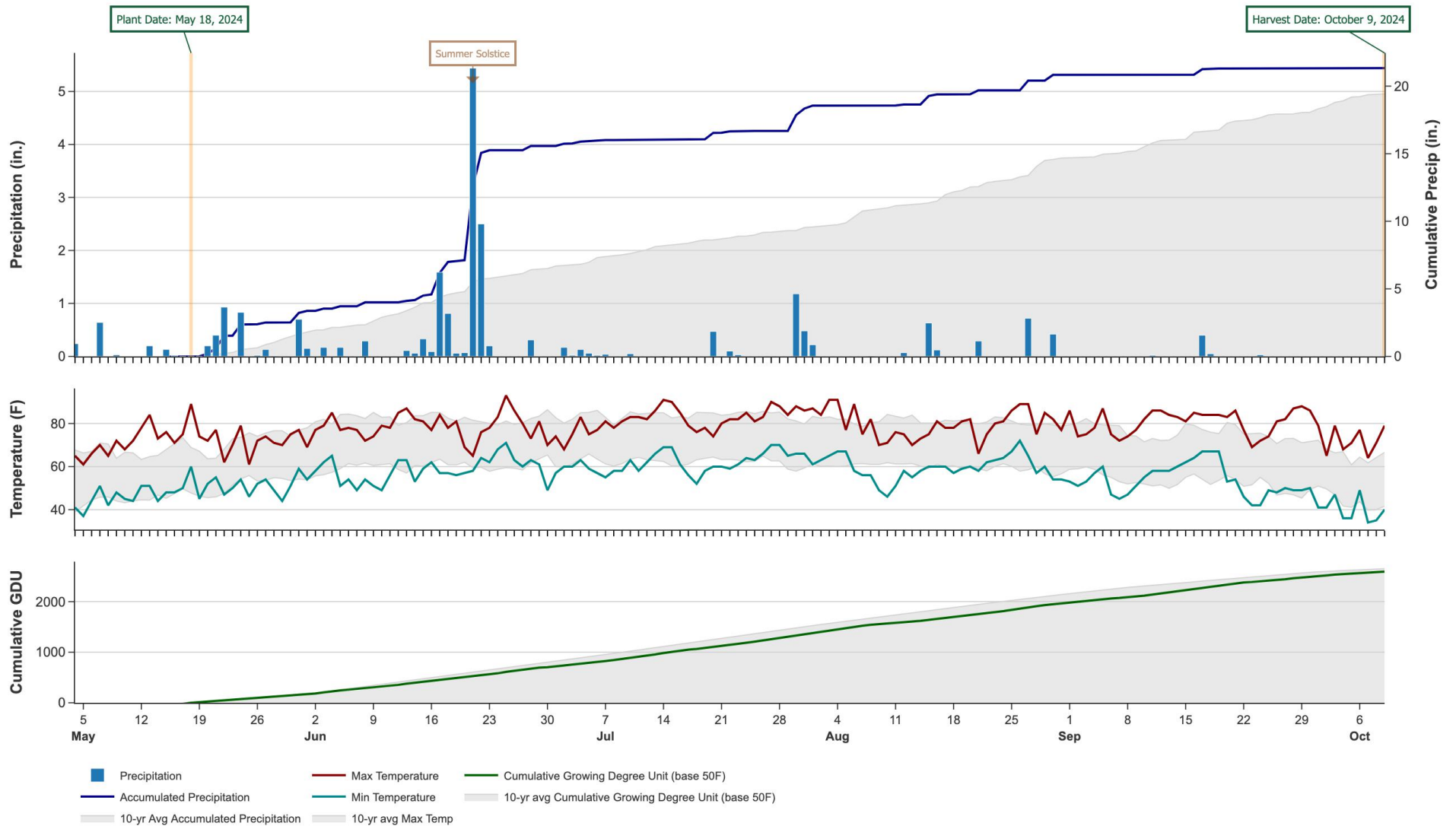
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2024 Soybeans - South Dakota East Central [SDEC]

Weather Conditions Summary at TEA, SD

Weather Data Retrieved: 10/11/2024

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	4.5 3.4 (+1.1)	12.3 4.8 (+7.5)	2.8 3.0 (-0.3)	2.5 5.1 (-2.6)	0.5 3.4 (-2.9)	0.0 1.4 (-1.4)	22.6 21.2 (+1.4)
GDU Avg (Diff)	322 293 (+28)	549 630 (-81)	661 711 (-50)	599 635 (-36)	533 440 (+92)	94 71 (+22)	2758 2782 (-24)



* 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 (45 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE1520	E3	M	1.5	F,I
Apex	AE2350	E3	PK	2.3	CMBV
Apex	AE2351	E3	M	2.3	CMBV
Asgrow	AG18XF1 §	RXF	R	1.8	ACi,IL
Asgrow	AG19XF3 §	RXF	R	1.9	ACi,IL
Asgrow	AG20XF4 §	RXF	R	2.0	ACi,IL
Connect	CT1523E GC	E3	M	1.5	Untreated
Dairyland	DSR-2055E	E3	M	2.0	Lum,Lu,IL
Dairyland	DSR-2111E	E3	PK	2.1	Lum,Lu,IL
Dairyland	DSR-2236E	E3	M	2.2	Lum,Lu,IL
Dairyland	DSR-2347E	E3	M	2.3	Lum,Lu,IL
Dak-Sota	DE5117	E3	M	1.7	F
Dak-Sota	DE5215 GC	E3	M	1.5	F
Dak-Sota	DE5519	E3	PK	1.9	F
Fortus	1895E	E3	PK	1.8	AC, SU
Fortus	2165E	E3	M	2.1	AC, SU
Genesis	G1760E	E3	R	1.7	EcTC
Genesis	G1980E	E3	PK	1.9	EcTC
Genesis	G2180E	E3	M	2.1	EcTC,SA
Genesis	G2390E	E3	PK	2.3	EcTC,SA
Genesis	G2391E	E3	M	2.3	CMBV,SA
Golden Harvest	GH1762XF §	RXF	M	1.7	CMB-APX,SA
Golden Harvest	GH1875E3	E3	M	1.8	CMB-APX,SA
Golden Harvest	GH2004XF §	RXF	M	2.0	CMB-APX,SA
Golden Harvest	GH2292E3 §	E3	M	2.2	CMB-APX,SA
Jacobsen	J1873E3	E3	PK	1.8	F,I
Jacobsen	J1942E3	E3	PK	1.9	F,I
Pioneer	P16T05E GC	E3	NA	1.6	Untreated
Pioneer	P18A73E GC	E3	PK	1.8	Untreated
Pioneer	P19A37E §	E3	NA	1.9	Untreated
Pioneer	P20A48E §	E3	M	2.0	Untreated
Pioneer	P21A53E GC	E3	M	2.1	Untreated
Pioneer	P22A67E §	E3	M	2.2	Untreated
Stine	17EE32 §	E3	M	1.7	TFX1,SA
Stine	20EG02 §	E3	M	2.0	TFX1,SA
Stine	22EG02 §	E3	M	2.2	TFX1,SA
Thunder	TE7415N	E3	PK	1.5	F
Thunder	TE7513N GC	E3	PK	1.3	F
Thunder	TX8417N	RXF	M	1.7	F
Xitavo	XO 1632E	E3	M	1.6	PV,IL,OB,Rey
Xitavo	XO 1822E	E3	M	1.8	PV,IL,OB,Rey
Xitavo	XO 2075E	E3	PK	2.0	PV,IL,OB,Rey

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Xitavo	XO 2282E	E3	M	2.2	PV,IL,OB,Rey
Xitavo	XO 2305E	E3	M	2.3	PV,IL,OB,Rey
Xitavo	XO 2323E GC	E3	R	2.3	PV,IL,OB,Rey

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 Source or Rating

Note: Source of SCN resistance used when available, otherwise older susceptibility ratings are reported.

M	PI 88788 (MR)
PK	Peking (R)
H	Hartwig (R)
B	Blend (PK + M)
MR	moderate resistance
R	resistant
S	susceptible
NA	info unavailable

Soybeans Technologies

E3	Enlist E3®
RXF	XtendFlex®

Soybeans Seed Treatments*

NA	Not Available
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
AC, SU	Acceleron standard+ StepUp
CMB-APX,SA	CruiserMaxx® APX with Salstro®
CMBV	CruiserMaxx® Beans, Vibrance®
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Salstro®
EcTC	Eclipse US Total Coverage Trio IM, N-Force
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Salstro®
F	Fungicide
F,I	Fungicide, Insecticide
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
TFX1,SA	Stine MyYield, Salstro
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.