

Test by: Peterson Seed Testing LLC ,

2024 Soybeans Top 30 Harvest Report

South Dakota East Central [SDEC] COLTON, SD
Robert Snoozy, Minnehaha County, SD

All-Season Test	Maturity Group 1.6 - 2.3 S2024SDEC05
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Callisto, Atrazine
SOIL DESCRIPTION:	Moody-Nora Complex silty clay loam, well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 5.9 pH, 4.5% OM, 18.8 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Roundup, Liberty, Volunteer, Dimethoate, Silencer
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 18 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 4 115.7 /A

TEST COMMENTS:

A wetter-than-normal spring delayed planting at this site until May 18th. Planting conditions were wetter than I would have liked, but with rain forecast, we decided to plant. Two inches fell in the days following planting, but that did not seem to hurt emergence as it was not overly hot to cause crusting issues. Moisture in June was more than plentiful, and carried this crop to the finish line as July and August were below average for precipitation. Aphids met threshold in late July and were sprayed at that time. Weed control was excellent, and the plot was clean at harvest. No signs of SDS or any disease pressure were noted at harvest. Overall this was a nice-looking plot.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Asgrow	AG18XF1 § ↗	RXF	1.8	R	68.3	9.6	1	115.5	689	1
Dairyland	DSR-2111E ↗	E3	2.1	PK	68.1	9.5	1	116.3	688	2
Xitavo	XO 1632E ↗	E3	1.6	M	67.0	9.5	1	116.3	677	3
Xitavo	XO 1822E ↗	E3	1.8	M	66.9	9.6	1	117.0	676	4
Golden Harvest	GH2292E3 § ↗	E3	2.2	M	65.0	9.6	1	116.3	656	5
Asgrow	AG19XF3 § ↗	RXF	1.9	R	64.9	9.4	1	117.0	655	6
Dak-Sota	DE5215 GC ↗	E3	1.5	M	64.8	9.5	1	116.0	654	7
Stine	22EG02 § ↗	E3	2.2	M	63.8	9.6	1	114.3	644	8
Stine	17EE32 § ↗	E3	1.7	M	63.8	9.5	1	115.5	644	9
Golden Harvest	GH1762XF § ↗	RXF	1.7	M	63.6	9.4	1	115.5	642	10
Pioneer	P21A53E GC ↗	E3	2.1	M	63.4	9.4	1	115.7	640	11
Golden Harvest	GH2004XF § ↗	RXF	2.0	M	63.1	9.6	1	116.7	637	12
Xitavo	XO 2305E ↗	E3	2.3	M	62.9	9.6	1	116.3	635	13
Genesis	G1980E ↗	E3	1.9	PK	62.5	9.5	1	115.0	631	14
Genesis	G2180E ↗	E3	2.1	M	62.3	9.7	1	115.7	629	15
Apex	AE2350 ↗	E3	2.3	PK	61.9	9.5	1	115.0	625	16
Genesis	G2390E ↗	E3	2.3	PK	61.1	9.7	1	115.7	617	17
Thunder	TE7415N ↗	E3	1.5	PK	60.9	9.3	1	116.7	615	18
Asgrow	AG20XF4 § ↗	RXF	2.0	R	60.6	9.5	1	115.7	612	19
Golden Harvest	GH1875E3 ↗	E3	1.8	M	60.6	9.5	1	115.3	612	20
Fortus	1895E ↗	E3	1.8	PK	60.4	9.5	1	115.0	610	21
Connect	CT1523E GC ↗	E3	1.5	M	60.3	9.5	1	116.0	609	22
Dak-Sota	DE5519 ↗	E3	1.9	PK	60.0	9.6	1	115.3	606	23
Thunder	TX8417N ↗	RXF	1.7	M	60.0	9.6	1	115.0	606	24
Apex	AE2351 ↗	E3	2.3	M	59.6	9.7	1	116.0	602	25
Dairyland	DSR-2347E ↗	E3	2.3	M	59.3	9.6	1	115.0	599	26
Pioneer	P19A37E § ↗	E3	1.9	NA	59.1	9.6	1	115.7	597	27
Fortus	2165E ↗	E3	2.1	M	58.9	9.7	1	116.3	595	28
Apex	AE1520 ↗	E3	1.5	M	58.8	9.5	1	115.5	594	29
Pioneer	P16T05E GC ↗	E3	1.6	NA	58.8	9.5	1	115.3	594	30

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Averages = **60.6** **9.5** **1** **115.7** **610**

LSD (0.10) = 4.9 0.1 ns

LSD (0.25) = 2.6 0.1 ns

C.V. = 7.6

Historic yield: 61.56 bu/a, 14 yr(s)

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.0

Drying = \$0.04

Prices: GMO = \$10.10

Report Date: 10/05/2024

† 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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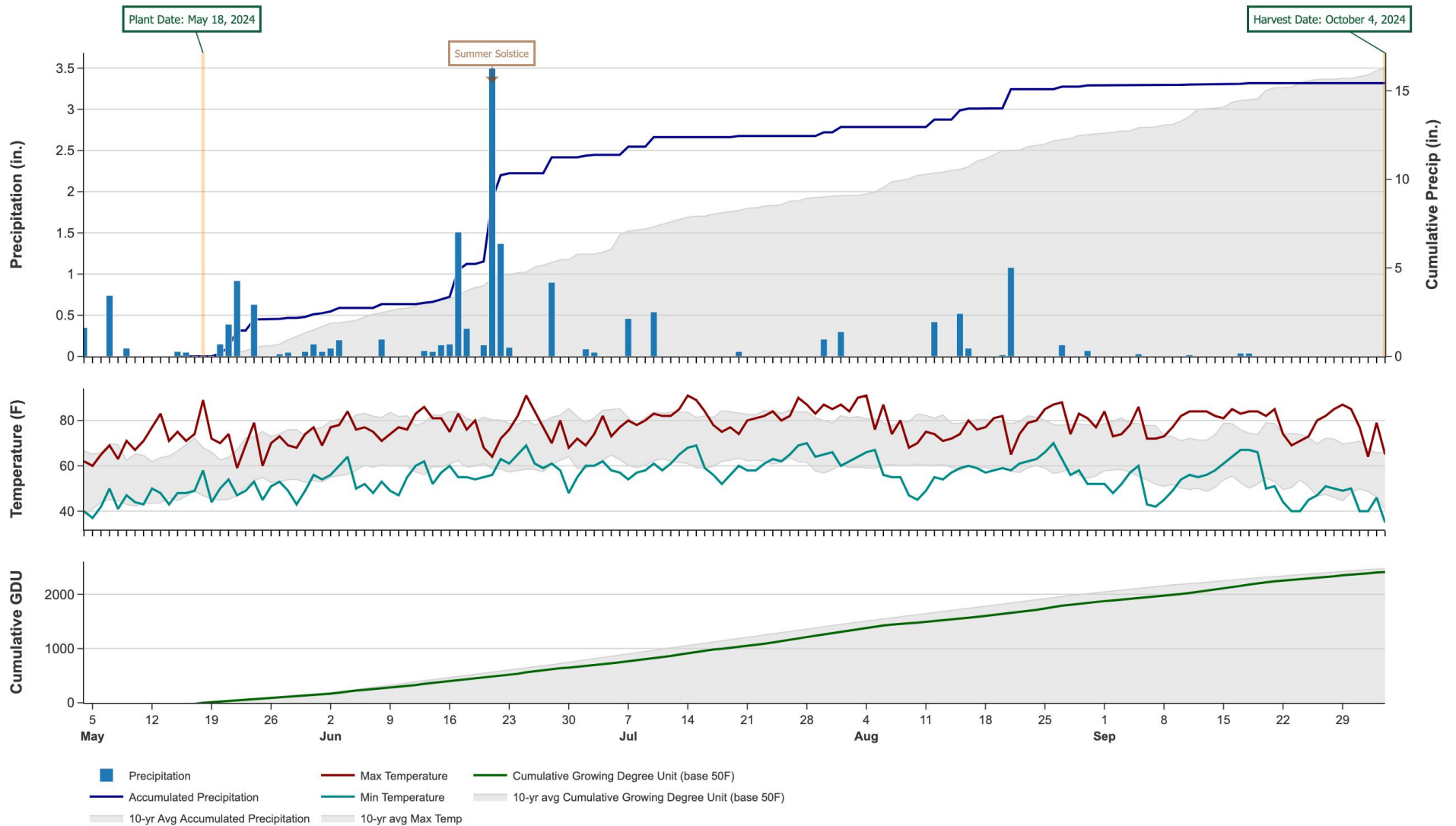
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2024 Soybeans - South Dakota East Central [SDEC]

Weather Conditions Summary at COLTON, SD

Weather Data Retrieved: 10/05/2024

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	3.7 3.4 (+0.3)	8.9 4.0 (+4.9)	1.4 3.6 (-2.2)	2.6 3.5 (-0.9)	0.1 3.1 (-3.0)	0.0 0.6 (-0.6)	16.7 18.2 (-1.4)
GDU Avg (Diff)	297 275 (+21)	506 597 (-91)	640 676 (-36)	571 600 (-29)	510 409 (+100)	42 35 (+6)	2566 2594 (-28)



* 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 Rating

S	susceptible
MR	moderate resistance
R	resistant
n/a	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 Saltro®
CMBV	CruiserMaxx® Beans, Vibrance®
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Saltro®
EcTC	Eclipse US Total Coverage Trio IM, N-Force
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Saltro®
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, Saltro
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.