

Test by: Peterson Seed Testing LLC ,

2024 Soybeans Top 30 Harvest Report

South Dakota Southeast [SDSE] TEA, SD
Ryan Bonsall, Lincoln County, SD

All-Season Test	Maturity Group 2.1 - 2.8 S2024SDSE02
Top 30 of 30	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:	very high P, very high K, 6.7 pH, 4.8% OM, 21.4 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Authority First, Roundup, Liberty
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
Golden Harvest	GH2292E3 ↗	E3	2.2	M	58.1	8.3	1	114.3	587	1
Fortus	2165E ↗	E3	2.1	M	57.8	8.3	1	113.3	584	2
Stine	22EG02 § ↗	E3	2.2	M	56.4	8.3	1	113.7	570	3
Pioneer	P19A37E § ↗	E3	1.9	NA	56.2	8.2	1	113.7	568	4
Genesis	G2480E ↗	E3	2.4	M	55.4	8.4	1	114.3	560	5
Pioneer	P21A53E § ↗	E3	2.1	M	55.4	8.2	1	114.3	560	6
Genesis	G2391E ↗	E3	2.3	M	55.2	8.3	1	115.3	558	7
Golden Harvest	GH2313XF § ↗	RXF	2.3	M	54.8	8.3	1	115.0	553	8
Fortus	2445E ↗	E3	2.4	M	53.9	8.4	1	113.7	544	9
Genesis	G2180E GC ↗	E3	2.1	M	53.8	8.4	1	115.0	543	10
Stine	25EG23 § ↗	E3	2.5	M	53.8	8.4	1	115.0	543	11
Xitavo	XO 2832E ↗	E3	2.8	M	52.4	8.5	1	114.0	529	12
Pioneer	P22A67E § ↗	E3	2.2	M	52.2	8.4	1	114.3	527	13
Xitavo	XO 2075E ↗	E3	2.0	PK	51.9	8.3	1	113.7	524	14
Stine	27EG22 § ↗	E3	2.7	PK	51.3	8.6	1	113.7	518	15
Xitavo	XO 2444E ↗	E3,ST	2.4	M	51.3	8.4	1	113.7	518	16
Asgrow	AG27XF3 § ↗	RXF	2.7	R	51.1	8.4	1	114.3	516	17
Fortus	2775E ↗	E3	2.7	PK	50.9	8.3	1	114.3	514	18
Genesis	G2790E ↗	E3	2.7	PK	49.5	8.4	1	114.3	500	19
Asgrow	AG24XF4 § ↗	RXF	2.4	R	48.8	8.3	1	113.0	493	20
Xitavo	XO 2305E ↗	E3	2.3	M	48.6	8.4	1	113.7	491	21
Apex	AE2351 ↗	E3	2.3	M	48.3	8.4	1	113.7	488	22
Asgrow	AG26XF4 § ↗	RXF	2.6	R	48.2	8.6	1	113.7	487	23
Xitavo	XO 2282E ↗	E3	2.2	M	47.6	8.3	1	113.7	481	24
Golden Harvest	GH2745XF § ↗	RXF	2.7	M	46.9	8.4	1	114.3	474	25
Golden Harvest	GH2775E3 § ↗	E3	2.7	M	46.6	8.5	1	113.0	471	26
Xitavo	XO 2735E ↗	E3	2.7	M	45.5	8.4	1	113.7	460	27
Xitavo	XO 2865E ↗	E3	2.8	M	45.2	8.6	1	114.7	457	28
Xitavo	XO 2625E ↗	E3	2.6	M	45.2	8.4	1	114.3	457	29
Genesis	G2390E GC ↗	E3	2.3	PK	43.5	8.3	1	113.7	439	30

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Averages = **51.2** **8.4** **1** **114.0** **517**

LSD (0.10) = 4.0 0.1 ns

LSD (0.25) = 2.1 0.1 ns

C.V. = 7.4

Historic yield: new site

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.04 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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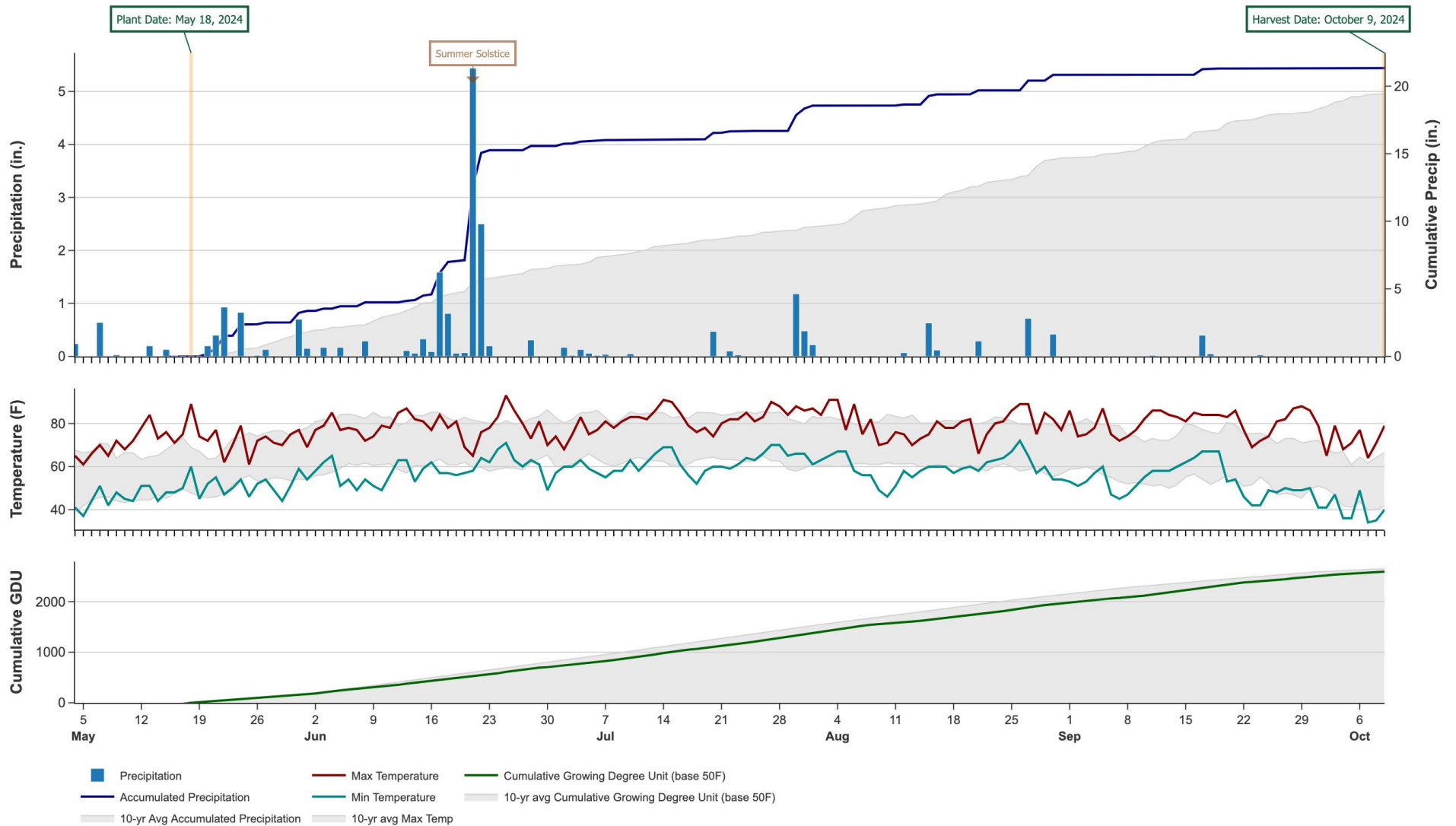
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2024 Soybeans - South Dakota Southeast [SDSE]

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)	549 631 (-82)	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.

2024 Soybeans - South Dakota Southeast [SDSE]

All-Season Test Products (30 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE2351	E3	M	2.3	CMBV
Asgrow	AG24XF4 §	RXF	R	2.4	ACi,IL
Asgrow	AG26XF4 §	RXF	R	2.6	ACi,IL
Asgrow	AG27XF3 §	RXF	R	2.7	ACi
Fortus	2165E	E3	M	2.1	AC, SU
Fortus	2445E	E3	M	2.4	AC, SU
Fortus	2775E	E3	PK	2.7	AC, SU
Genesis	G2180E GC	E3	M	2.1	CMBV,SA
Genesis	G2390E GC	E3	PK	2.3	CMBV,SA
Genesis	G2391E	E3	M	2.3	CMBV,SA
Genesis	G2480E	E3	M	2.4	EcTC,SA
Genesis	G2790E	E3	PK	2.7	EcTC,SA
Golden Harvest	GH2292E3	E3	M	2.2	CMB-APX,SA
Golden Harvest	GH2313XF §	RXF	M	2.3	CMB-APX,SA
Golden Harvest	GH2745XF §	RXF	M	2.7	CMB-APX,SA
Golden Harvest	GH2775E3 §	E3	M	2.7	CMB-APX,SA
Pioneer	P19A37E §	E3	NA	1.9	Untreated
Pioneer	P21A53E §	E3	M	2.1	Untreated
Pioneer	P22A67E §	E3	M	2.2	Untreated
Stine	22EG02 §	E3	M	2.2	TFX1,SA
Stine	25EG23 §	E3	M	2.5	TFX1,SA
Stine	27EG22 §	E3	PK	2.7	TFX1,SA
Xitavo	XO 2075E	E3	PK	2.0	Untreated
Xitavo	XO 2282E	E3	M	2.2	PV,IL,OB,Rey
Xitavo	XO 2305E	E3	M	2.3	PV,IL,OB,Rey
Xitavo	XO 2444E	E3,ST	M	2.4	PV,IL,OB,Rey
Xitavo	XO 2625E	E3	M	2.6	PV,IL,OB,Rey
Xitavo	XO 2735E	E3	M	2.7	PV,IL,OB,Rey
Xitavo	XO 2832E	E3	M	2.8	PV,IL,OB,Rey
Xitavo	XO 2865E	E3	M	2.8	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®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
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,SA	Eclipse US Total Coverage Trio IM, N-Force, Saltro®
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.