

Test by: Peterson Seed Testing LLC ,

2024 Soybeans Top 30 Harvest Report

South Dakota Southeast [SDSE] JEFFERSON, SD
Austin Chicoino, Union County, SD

All-Season Test	Maturity Group 2.1 - 2.8 S2024SDSE04
Top 30 of 30	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Acuron
SOIL DESCRIPTION:	Blencoe silty clay, moderately drained, irrigated
SOIL CONDITION:	very high P, very high K, 6.6 pH, 4.4% OM, 27.6 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Sonic, Roundup, Liberty, Volunteer
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 29 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 4 112.5 /A

TEST COMMENTS:

Planting was delayed until after Memorial day at this site. Many fields in the area were unable to be planted due to the persistent spring rains and flooding. This plot was fortunately in an area of the field that sheds water well. Planting conditions were on the wetter side, but we ended up with a respectable stand of beans. Saturated soil conditions hindered plant growth early, but really took off with some drier weather in July. Weed control was excellent with no weeds present at harvest. Overall a very good plot considering the planting date, and early season moisture issues.

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	69.0	9.3	1	112.7	697	1
Fortus	2445E ↗	E3	2.4	M	68.1	9.6	1	112.3	688	2
Stine	25EG23 § ↗	E3	2.5	M	67.9	9.5	1	113.0	686	3
Pioneer	P22A67E § ↗	E3	2.2	M	67.2	9.5	1	113.0	679	4
Genesis	G2480E ↗	E3	2.4	M	67.1	9.6	1	112.0	678	5
Fortus	2775E ↗	E3	2.7	PK	66.3	10.1	1	112.7	670	6
Genesis	G2391E ↗	E3	2.3	M	65.5	9.5	1	112.7	662	7
Pioneer	P21A53E § ↗	E3	2.1	M	65.3	9.6	1	112.0	660	8
Xitavo	XO 2305E ↗	E3	2.3	M	64.9	9.4	1	113.0	655	9
Pioneer	P19A37E § ↗	E3	1.9	NA	64.7	9.3	1	112.3	653	10
Stine	27EG22 § ↗	E3	2.7	PK	64.5	10.1	1	112.3	651	11
Asgrow	AG27XF3 § ↗	RXF	2.7	R	63.8	10.4	1	112.3	644	12
Asgrow	AG26XF4 § ↗	RXF	2.6	R	63.8	10.1	1	112.7	644	13
Genesis	G2180E GC ↗	E3	2.1	M	63.6	9.3	1	112.3	642	14
Golden Harvest	GH2745XF § ↗	RXF	2.7	M	63.5	10.3	1	112.3	641	15
Fortus	2165E ↗	E3	2.1	M	63.2	9.4	1	112.0	638	16
Golden Harvest	GH2313XF § ↗	RXF	2.3	M	62.6	9.7	1	112.7	632	17
Genesis	G2790E ↗	E3	2.7	PK	62.1	10.2	1	112.3	627	18
Golden Harvest	GH2775E3 § ↗	E3	2.7	M	61.4	10.3	1	112.7	620	19
Asgrow	AG24XF4 § ↗	RXF	2.4	R	61.4	9.8	1	112.7	620	20
Stine	22EG02 § ↗	E3	2.2	M	61.1	9.5	1	112.3	617	21
Apex	AE2351 ↗	E3	2.3	M	60.3	9.5	1	112.7	609	22
Xitavo	XO 2075E ↗	E3	2.0	PK	59.3	9.5	1	112.0	599	23
Xitavo	XO 2832E ↗	E3	2.8	M	58.5	10.4	1	112.0	591	24
Xitavo	XO 2735E ↗	E3	2.7	M	56.2	10.3	1	112.7	568	25
Xitavo	XO 2444E ↗	E3,ST	2.4	M	55.6	9.5	1	113.0	562	26
Xitavo	XO 2625E ↗	E3	2.6	M	54.8	10.0	1	112.7	553	27
Xitavo	XO 2865E ↗	E3	2.8	M	53.1	10.3	1	112.3	536	28
Genesis	G2390E GC ↗	E3	2.3	PK	52.1	9.5	1	113.0	526	29
Xitavo	XO 2282E ↗	E3	2.2	M	48.1	9.5	1	112.0	486	30

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Averages = **61.8** **9.8** **1** **112.5** **624**

LSD (0.10) = 5.5 0.3 ns

LSD (0.25) = 2.9 0.1 ns

C.V. = 8.5

Historic yield: 52.77 bu/a, 2 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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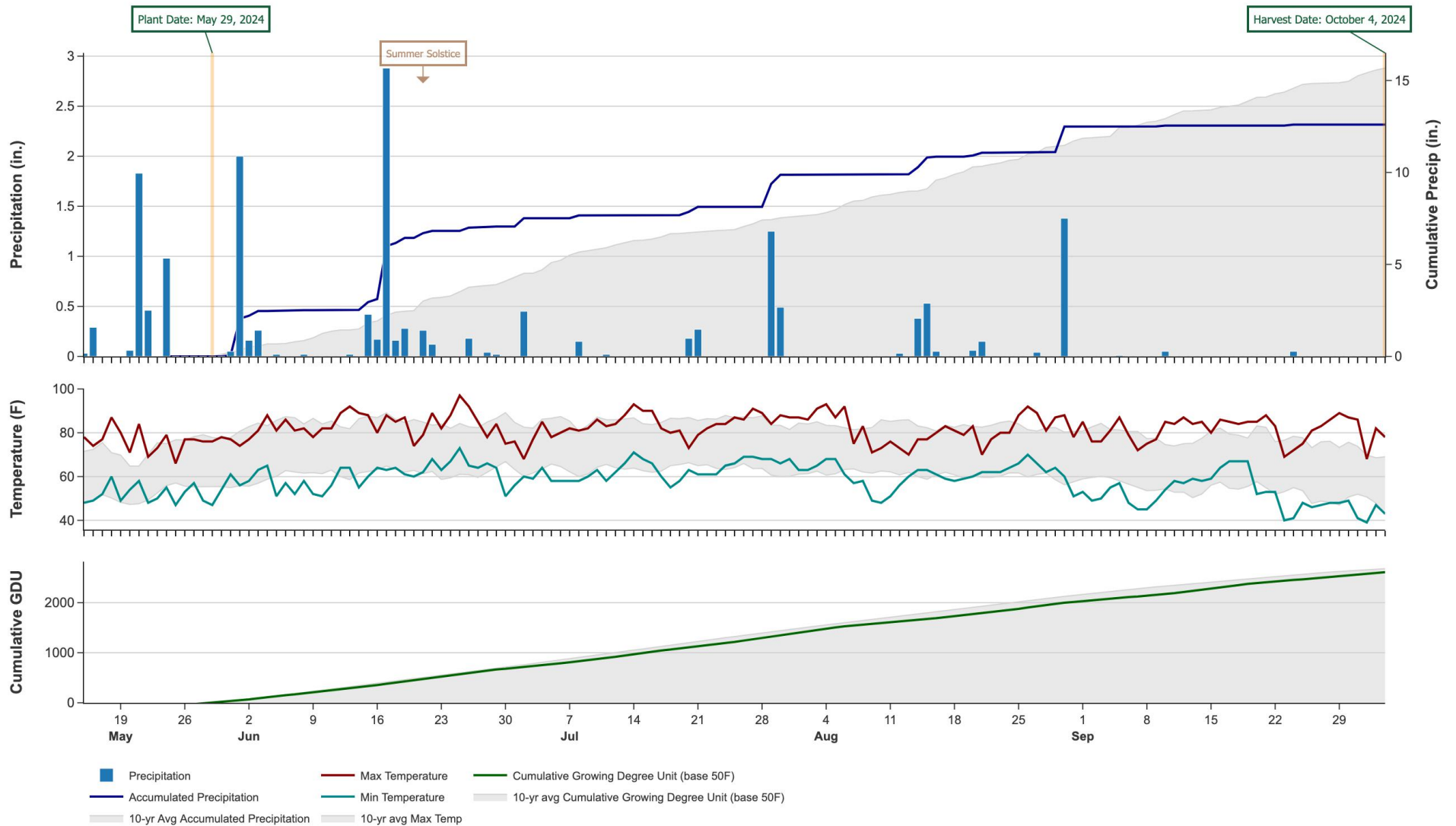
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2024 Soybeans - South Dakota Southeast [SDSE]

Weather Conditions Summary at JEFFERSON, SD

Weather Data Retrieved: 10/05/2024

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	3.7 2.0 (+1.7)	7.0 3.9 (+3.1)	2.8 3.5 (-0.7)	2.6 4.1 (-1.5)	0.1 3.2 (-3.1)	0.0 0.7 (-0.7)	16.2 17.4 (-1.2)
GDU Avg (Diff)	251 226 (+24)	644 684 (-40)	697 748 (-51)	638 680 (-42)	538 491 (+46)	57 41 (+15)	2825 2872 (-47)



* 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 Rating

S	susceptible
MR	moderate resistance
R	resistant
n/a	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.