

Test by: Peterson Seed Testing LLC ,

2024 Soybeans Top 30 Harvest Report

South Dakota Southeast [SDSE] COLTON, SD
Robert Snoozy, Minnehaha County, SD

All-Season Test	Maturity Group 2.1 - 2.8 S2024SDSE01
Top 30 of 30	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Callisto, Atrazine
SOIL DESCRIPTION:	Moody-Nora silty clay loam, well drained, non-irrigated
SOIL CONDITION:	very high P, high K, 5.2 pH, 5.3% OM, 24.7 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 4 115.6 /A

TEST COMMENTS:

Weather delayed planting until mid-May at this site. Weed control was excellent as the plot stayed clean through harvest. Plenty of moisture early in the growing season had me concerned that white mold may become an issue, but the drier July and August proved otherwise. Aphids were sprayed in late July. Plants looked healthy at harvest with many stems still being green, but providing a dry sample. Visually, a very even-looking plot at harvest.

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	67.8	9.5	1	114.7	685	1
Stine	25EG23 § ↗	E3	2.5	M	66.5	10.0	1	116.3	672	2
Golden Harvest	GH2313XF § ↗	RXF	2.3	M	64.8	9.9	1	115.7	654	3
Pioneer	P22A67E § ↗	E3	2.2	M	63.2	9.9	1	115.0	638	4
Pioneer	P19A37E § ↗	E3	1.9	NA	63.1	9.5	1	114.7	637	5
Fortus	2445E ↗	E3	2.4	M	63.0	9.8	1	115.5	636	6
Genesis	G2390E GC ↗	E3	2.3	PK	62.4	9.7	1	116.3	630	7
Genesis	G2391E ↗	E3	2.3	M	61.5	9.7	1	115.7	621	8
Xitavo	XO 2444E ↗	E3,ST	2.4	M	61.4	10.0	1	116.0	620	9
Stine	22EG02 § ↗	E3	2.2	M	61.2	9.7	1	115.0	618	10
Xitavo	XO 2865E ↗	E3	2.8	M	61.2	10.8	1	115.0	618	11
Golden Harvest	GH2745XF § ↗	RXF	2.7	M	61.0	10.0	1	115.3	616	12
Xitavo	XO 2075E ↗	E3	2.0	PK	60.8	9.7	1	115.7	614	13
Pioneer	P21A53E § ↗	E3	2.1	M	60.6	9.6	1	113.0	612	14
Asgrow	AG24XF4 § ↗	RXF	2.4	R	60.2	10.0	1	116.3	608	15
Xitavo	XO 2305E ↗	E3	2.3	M	60.2	9.9	1	115.3	608	16
Xitavo	XO 2832E ↗	E3	2.8	M	59.8	10.8	1	116.0	604	17
Apex	AE2351 ↗	E3	2.3	M	59.7	9.6	1	115.0	603	18
Stine	27EG22 § ↗	E3	2.7	PK	59.4	10.3	1	115.3	600	19
Xitavo	XO 2735E ↗	E3	2.7	M	59.0	10.4	1	115.3	596	20
Asgrow	AG27XF3 § ↗	RXF	2.7	R	59.0	11.1	1	115.7	596	21
Genesis	G2790E ↗	E3	2.7	PK	58.8	10.5	1	115.7	594	22
Genesis	G2480E ↗	E3	2.4	M	58.8	9.8	1	117.0	594	23
Fortus	2165E ↗	E3	2.1	M	58.3	9.6	1	115.7	589	24
Fortus	2775E ↗	E3	2.7	PK	57.3	10.6	1	116.3	579	25
Xitavo	XO 2625E ↗	E3	2.6	M	57.2	10.4	1	116.0	578	26
Golden Harvest	GH2775E3 § ↗	E3	2.7	M	56.6	10.5	1	115.0	572	27
Genesis	G2180E GC ↗	E3	2.1	M	54.9	9.7	1	115.7	554	28
Xitavo	XO 2282E ↗	E3	2.2	M	54.9	9.7	1	116.0	554	29
Asgrow	AG26XF4 § ↗	RXF	2.6	R	53.0	10.6	1	115.5	535	30

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Averages = **60.3** **10.0** **1** **115.6** **608**

LSD (0.10) = 3.8 0.2 ns

LSD (0.25) = 2.0 0.1 ns

C.V. = 5.9 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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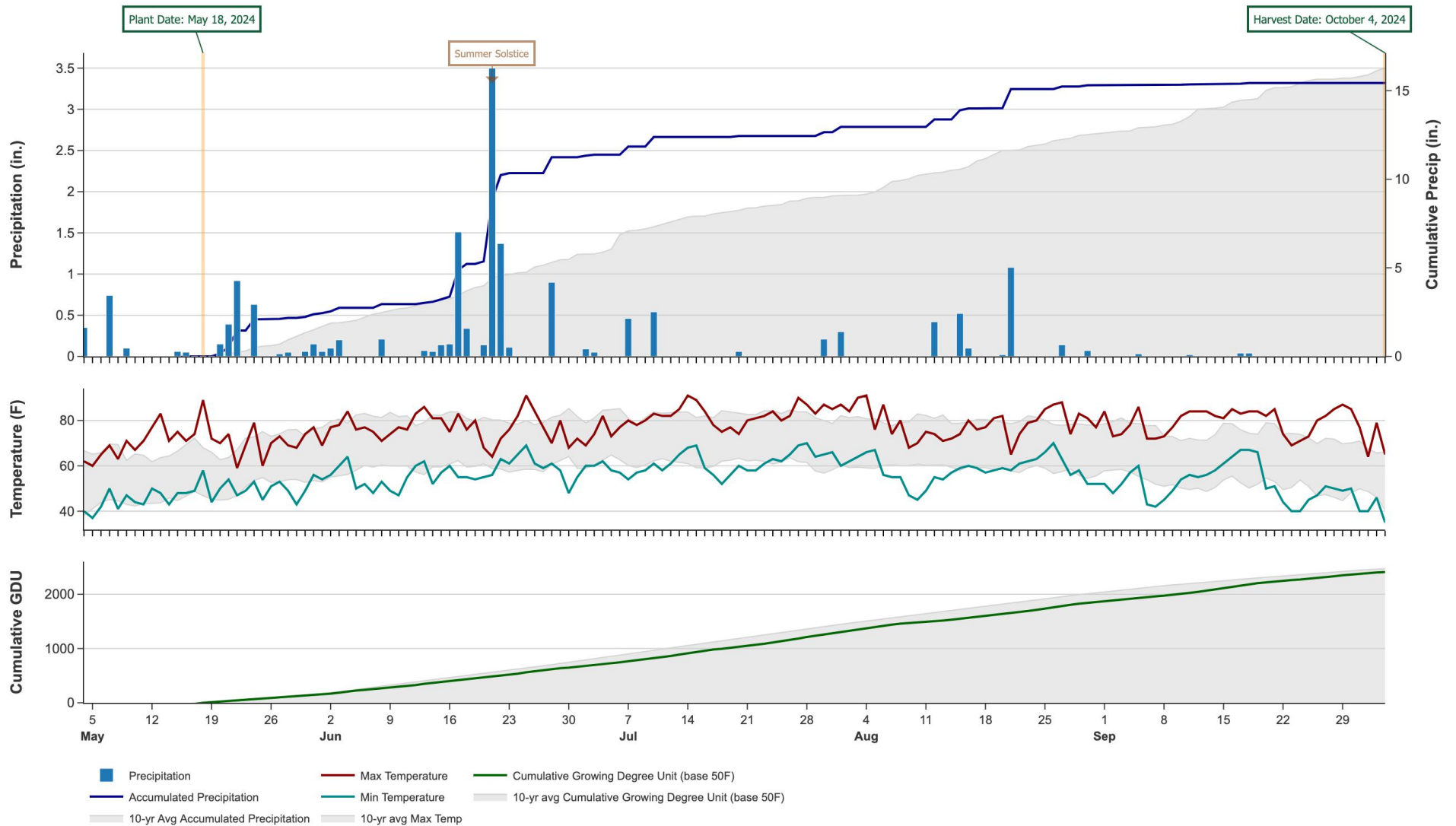
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2024 Soybeans - South Dakota Southeast [SDSE]

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 18.1 (-1.4)
GDU Avg (Diff)	297 275 (+21)	506 597 (-91)	640 675 (-35)	571 600 (-29)	510 409 (+100)	42 35 (+6)	2566 2593 (-27)



* 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 (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.