

Test by: Peterson Seed Testing LLC New Richland, MN

2025 Soybeans Top 30 Harvest Report

South Dakota East Central [SDEC] SIOUX FALLS, SD
Kenny Aylward, Minnehaha County, SD

All-Season Test	Maturity Group 1.6 - 2.3 S2025SDEC05
Top 29 of 29	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Surestart, Impact, Atrazine, Stinger
SOIL DESCRIPTION:	Egan-Wentworth-Trent silty clay loam, well drained, non-irrigated
SOIL CONDITION:	5.46 pH, 4.75% OM, 15.62 CEC, low P, low K, low S, mod. B, low Zn
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Roundup, Liberty
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 18 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 9 117.7 /A
PEST & DISEASE RISK:	Fusarium*

TEST COMMENTS:

This site was planted on May 18th in ideal soil conditions and produced an excellent stand. Moisture was above normal for most of the summer. At first glance during harvest, the plants looked like 60-plus bushel beans, but a combination of "wet feet" throughout the summer and a drier finish led to abnormally small seed size and lower yield. There was some white mold presence noted at harvest.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Dairyland	DSR-1881E ↗	E3	1.8	M	59.6	9.0	1	118.0	551	1
Stine	22EG02 GC ↗	E3	2.2	M	55.9	9.1	2	118.3	517	2
Genesis	G2150E ↗	E3	2.1	M	55.2	9.1	2	118.0	511	3
Genesis	G1690E ↗	E3	1.6	M	55.1	8.8	1	118.3	510	4
Pioneer	P19Z52E GC ↗	E3	1.9	PK	54.9	8.9	2	119.0	508	5
Apex	AE2360 ↗	E3	2.3	M	54.9	9.1	2	116.0	508	6
Golden Harvest	GH 1534E3S GC ↗	E3	1.5	PK	53.3	8.7	2	117.3	493	7
Thunder	TE7415N ↗	E3	1.5	PK	52.9	8.8	2	118.3	489	8
Fortus	2165E ↗	E3	2.1	M	52.1	9.2	1	118.7	482	9
Jacobsen	J1464E3 GC ↗	E3	1.4	PK	51.7	8.7	2	117.7	478	10
Golden Harvest	GH2292E3 GC ↗	E3	2.2	M	51.6	9.1	2	116.0	477	11
Anderson	A184E3 GC ↗	E3	1.8	PK	51.2	8.9	2	118.3	474	12
Anderson	A203E3 GC ↗	E3	2.0	M	51.1	9.0	2	117.7	473	13
Xitavo	XO 1776E ↗	E3	1.7	M	50.9	8.9	1	117.7	471	14
Genesis	G2090E ↗	E3	2.0	PK	50.9	9.0	2	117.0	471	15
Dairyland	DSR-2067E ↗	E3	2.0	PK	50.5	8.8	2	117.7	467	16
Fortus	1895E ↗	E3	1.8	PK	50.5	8.9	2	116.0	467	17
Genesis	G2300E ↗	E3	2.3	M	50.4	9.1	2	117.7	466	18
Dairyland	DSR-1601E ↗	E3	1.6	PK	50.4	8.7	2	116.7	466	19
Dak-Sota	DE5215 ↗	E3	1.5	M	50.2	8.8	2	117.3	464	20
Genesis	G1760E ↗	E3	1.7	M	50.1	8.9	1	118.7	463	21
Dak-Sota	DE5617 ↗	E3	1.7	M	49.6	8.9	2	117.7	459	22
Genesis	G1980E ↗	E3	1.9	PK	49.2	8.8	2	118.3	455	23
FS HiSOY	HS 22F40 GC ↗	RXF	2.2	M	49.2	9.1	2	118.3	455	24
Fortus	2096E ↗	E3	2.0	PK	49.2	8.9	2	117.7	455	25
Xitavo	XO 2366E ↗	E3	2.3	M	48.8	9.1	1	118.3	451	26
Thunder	TX8618N ↗	RXF	1.8	M	48.1	8.9	2	116.7	445	27
Xitavo	XO 2206E ↗	E3	2.2	M	48.0	9.1	2	117.0	444	28
Xitavo	XO 2075E ↗	E3	2.0	PK	47.0	8.9	1	118.3	435	29
					Averages = 51.5	8.9	2	117.7	476	
					LSD (0.10) = 3.1	0.1	ns			
					LSD (0.25) = 1.6	0.1	ns			
					C.V. = 5.7					

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Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.0

Drying = \$0.02

Prices: GMO = \$9.25

† 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. *Earthoptics used for soil conditions and soil-borne disease & pest risks. ↗ Links to full product yield results at www.firstseedtests.com.

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Report Date: 10/10/2025

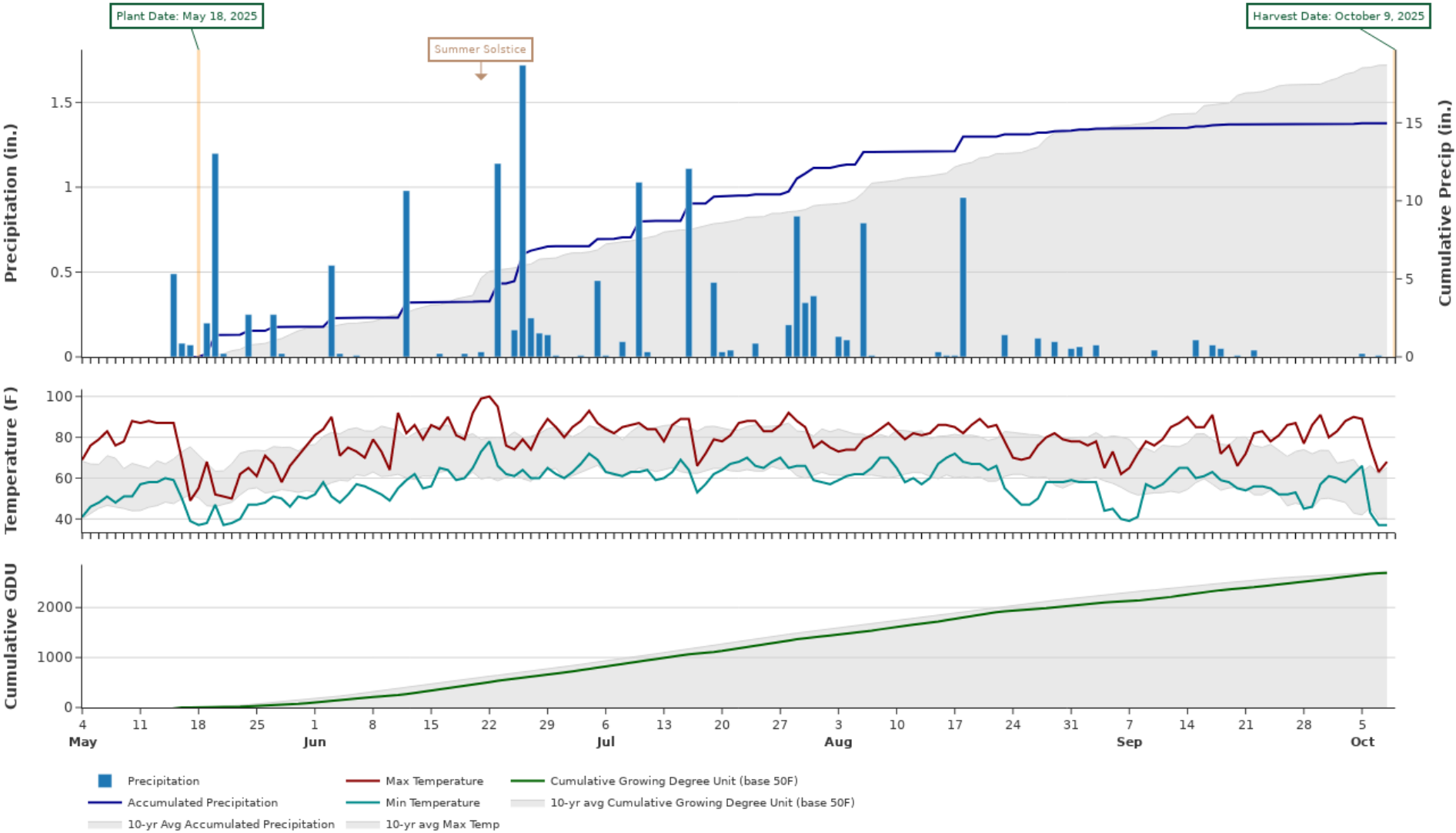
Additional reports available at www.firstseedtests.com

2025 Soybeans - South Dakota East Central [SDEC]

Weather Conditions Summary at SIOUX FALLS, SD

Weather Data Retrieved: 10/10/2025

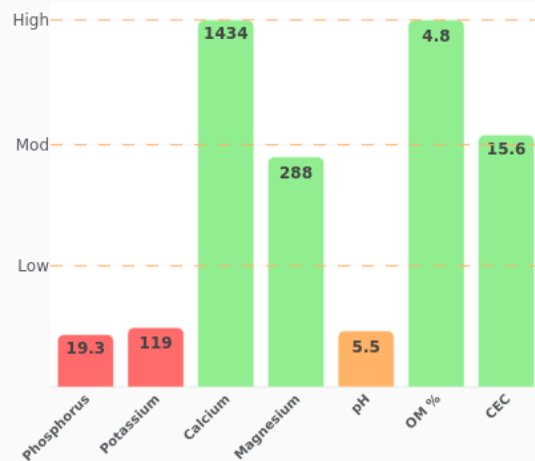
Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	2.6 3.5 (-0.9)	5.2 4.5 (+0.6)	5.0 3.3 (+1.7)	2.4 4.8 (-2.4)	0.4 3.0 (-2.5)	0.0 1.2 (-1.2)	15.6 20.4 (-4.8)
GDU Avg (Diff)	305 296 (+8)	594 642 (-48)	728 732 (-4)	634 649 (-15)	510 467 (+42)	142 67 (+74)	2913 2856 (+56)



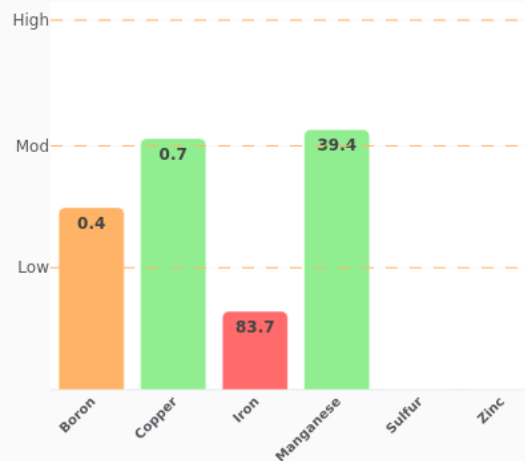
* First monthly total starts on the date 14 days prior to planting and final monthly total ends on the harvest date.

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.

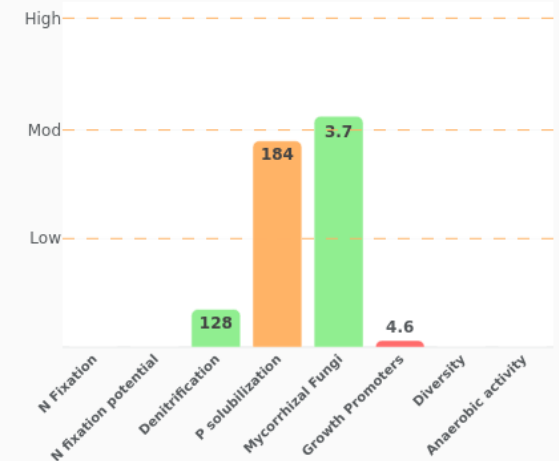
Macronutrients



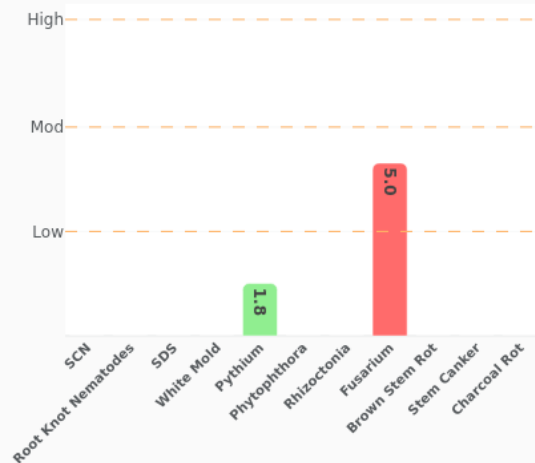
Micronutrients



Biofertility Analytics



Below Ground Pest & Disease - Soybeans



Above Ground Pest & Disease - Soybeans



More Information

You can find more information about the EarthOptics and soil analytics reported at the following links:

- [Reported Analytics Descriptions](#)
- [Soil Nutrients & Fertility](#)
- [Analytics & Insights](#)
- [EarthOptics](#)

2025 Soybeans - South Dakota East Central [SDEC]

All-Season Test Products (29 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Anderson	A184E3	E3	PK	1.8	F,I
Anderson	A203E3	E3	M	2.0	F,I
Apex	AE2360	E3	M	2.3	CMB-APX,SA
Dairyland	DSR-1601E	E3	PK	1.6	Lum, LumT, IL
Dairyland	DSR-1881E	E3	M	1.8	Lum, LumT, IL
Dairyland	DSR-2067E	E3	PK	2.0	Lum, LumT, IL
Dak-Sota	DE5215	E3	M	1.5	TFI
Dak-Sota	DE5617	E3	M	1.7	TFI
Fortus	1895E	E3	PK	1.8	ACi,SU
Fortus	2096E	E3	PK	2.0	ACi,SU
Fortus	2165E	E3	M	2.1	ACi,SU
FS HiSOY	HS 22F40	RXF	M	2.2	ACi,SA
Genesis	G1690E	E3	M	1.6	EcTC
Genesis	G1760E	E3	M	1.7	EcTC
Genesis	G1980E	E3	PK	1.9	EcTC
Genesis	G2090E	E3	PK	2.0	EcTC,SA
Genesis	G2150E	E3	M	2.1	EcTC,SA
Genesis	G2300E	E3	M	2.3	EcTC,SA
Golden Harvest	GH 1534E3S	E3	PK	1.5	F,I
Golden Harvest	GH2292E3	E3	M	2.2	F,I
Jacobsen	J1464E3	E3	PK	1.4	F,I
Pioneer	P19Z52E	E3	PK	1.9	Lum, LumT, IL
Stine	22EG02	E3	M	2.2	PV,IL,OB,Rey
Thunder	TE7415N	E3	PK	1.5	TFI
Thunder	TX8618N	RXF	M	1.8	TFI
Xitavo	XO 1776E	E3	M	1.7	PV,IL,OB,Rey
Xitavo	XO 2075E	E3	PK	2.0	PV,IL,OB,Rey
Xitavo	XO 2206E	E3	M	2.2	PV,IL,OB,Rey
Xitavo	XO 2366E	E3	M	2.3	PV,IL,OB,Rey

* FIRST does not inspect products for refuge blend. N* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

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.

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*

ACi,SA	Acceleron® Standard Insecticide-Fungicide, Saltro®
ACi,SU	Acceleron® Standard Insecticide-Fungicide, StepUp
CMB-APX,SA	CruiserMaxx® APX with Saltro®
EcTC	Eclipse US Total Coverage Trio IM, N-Force
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Saltro®
F,I	Fungicide, Insecticide
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
TFI	ThunderStruck F&I (Thunder Seed Inc.)

* Seed treatments may include unspecified plant health promoting components.