

Test by: Southern MN FIRST New Richland, MN

2025 Soybeans Top 30 Harvest Report

Red River South North Dakota & Minnesota [RRSO]
BRECKENRIDGE, MN

Vance Johnson, Wilkin County, MN

All-Season Test	Maturity Group 0.5 - 1.4 S2025RRSO19
Top 30 of 30	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn, Rye Cover Crop / Harness, Laudis, Atrazine
SOIL DESCRIPTION:	Doran-Mustinka silty clay loam, mod. poorly drained, non- irrigated
SOIL CONDITION:	7.78 pH, 4.81% OM, 26.96 CEC, high P, low K, mod. S, high B, mod. Zn
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Roundup Powermax 3, Enlist, Liberty Ultra
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 29 139.4 /A 30" spacing
HARVESTED - STAND:	Oct 7 126.2 /A
PEST & DISEASE RISK:	Fusarium, Red Crown Rot, Charcoal Rot*

TEST COMMENTS:

This plot stood perfectly at harvest and was quite uniform. Vance stated, "We were never in excess of moisture or short of moisture from pod set to pod fill.... these beans were never stressed." He recorded these rainfalls on his farm: April 1.6", May 3.64", June 4.5", July 3.9", and August 2.12". High temperatures above 80 degrees the week before harvest assured that all soybeans were quite low in moisture. Vance planted a rye cover crop, which was burned down after planting. No weeds were present at this location.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Xitavo	XO 1446E ↗	E3	1.4	M	58.7	8.2	0	126.3	564	1
Apex	AE1350 GC ↗	E3	1.3	M	57.9	8.3	0	127.7	556	2
Jacobsen	J1464E3 ↗	E3	1.4	PK	57.2	8.6	0	128.0	549	3
Stine	13EH62 ↗	E3	1.3	M	56.6	8.2	0	129.3	543	4
Xitavo	XO 1225E ↗	E3	1.2	M	56.4	8.3	0	126.3	541	5
Apex	AE1220 ↗	E3	1.2	M	55.6	8.3	0	125.0	534	6
Fortus	0831E ↗	E3	0.8	M	54.9	8.0	0	125.3	527	7
Dak-Sota	DE5507 ↗	E3	0.7	PK	54.2	8.2	0	127.0	520	8
Dak-Sota	DE5514 GC ↗	E3	1.4	PK	53.8	8.4	0	127.3	516	9
Dairyland	DSR-0678E ↗	E3	0.6	M	53.3	8.1	0	127.0	512	10
Thunder	TE7407N ↗	E3	0.7	M	53.0	8.3	0	124.7	509	11
Stine	08EG62 ↗	E3	0.8	M	52.8	8.0	0	125.7	507	12
Xitavo	XO 1116E ↗	E3	1.1	M	52.2	8.6	0	125.7	501	13
Stine	10EH02 ↗	E3	1.0	M	51.2	8.1	0	125.3	492	14
Thunder	TX8309N ↗	RXF	0.9	M	51.2	8.3	0	124.7	492	15
Thunder	TE7513N ↗	E3	1.3	PK	51.1	7.9	0	127.3	491	16
Xitavo	XO 0806E ↗	E3	0.8	M	50.6	8.0	0	126.0	486	17
Fortus	0544E ↗	E3	0.5	M	49.7	8.4	0	128.3	477	18
Xitavo	XO 1095E ↗	E3	1.0	M	49.6	8.1	0	125.0	476	19
Dak-Sota	DE5609 ↗	E3	0.9	PK	49.2	8.4	0	126.0	472	20
Stine	11EH06 ↗	E3	1.1	M	49.0	8.4	0	125.0	470	21
Thunder	TX8313N ↗	RXF	1.3	M	49.0	8.6	0	125.3	470	22
Thunder	TE7509N ↗	E3	0.9	M	48.5	8.3	0	127.0	466	23
Dairyland	DSR-1099E ↗	E3	1.0	M	48.3	8.1	0	125.7	464	24
Dak-Sota	DE5510 ↗	E3	1.0	PK	47.9	8.5	0	124.3	460	25
Stine	06EJ23 ↗	E3	0.6	M	47.8	8.1	0	125.0	459	26
Jacobsen	J0995E3 ↗	E3	0.9	M	46.7	8.0	0	125.3	448	27
Thunder	TE7510N ↗	E3	1.0	M	46.2	8.1	0	125.3	444	28
Thunder	TX8307N ↗	RXF	0.7	M	44.9	8.2	0	127.3	431	29
Thunder	TX8605N ↗	RXF	0.5	M	44.4	8.1	0	127.3	426	30

Mark Querna

Mark Querna

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Averages = **51.4** **8.2** **126.2** **493**

LSD (0.10) = 3.6 0.2 ns

LSD (0.25) = 1.9 0.1 ns

C.V. = 6.6

Historic yield: new site

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.03 Prices: GMO = \$9.60

Report Date: 10/09/2025

Additional reports available at www.firstseedtests.com

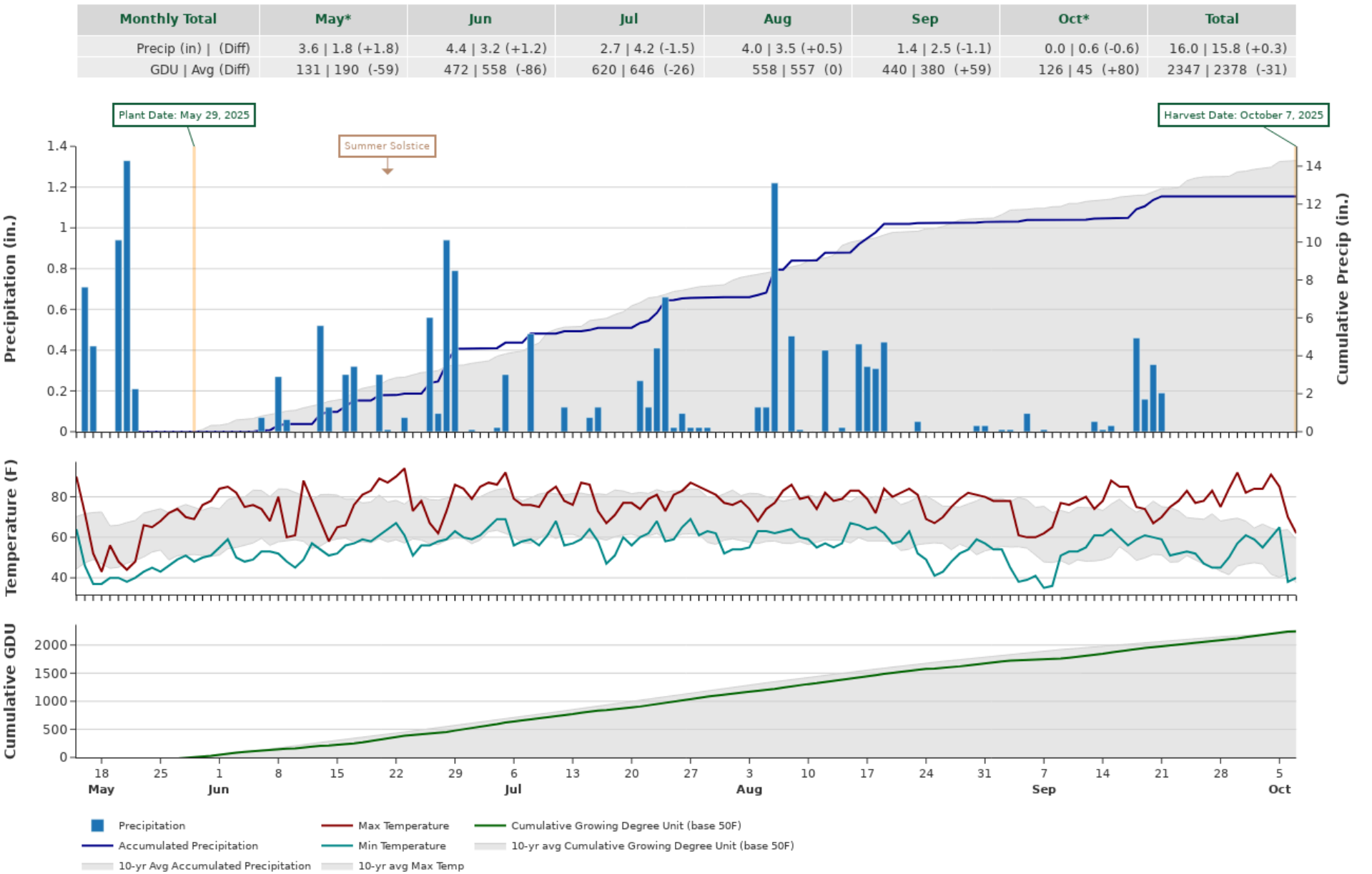
† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different. *[Earthoptics](http://Earthoptics.com) used for soil conditions and soil-borne disease & pest risks. ↗ Links to full product yield results at www.firstseedtests.com.

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Weather Conditions Summary at BRECKENRIDGE, MN

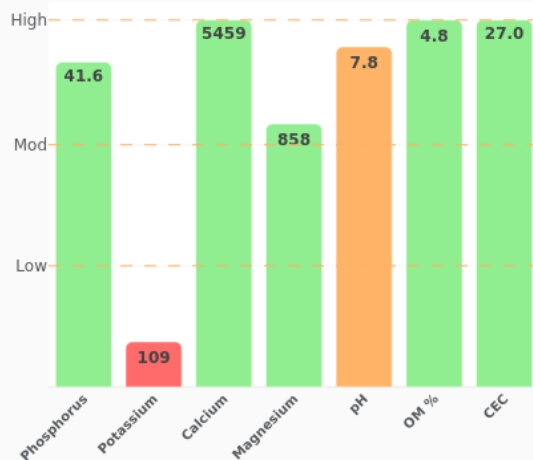
Weather Data Retrieved: 10/09/2025



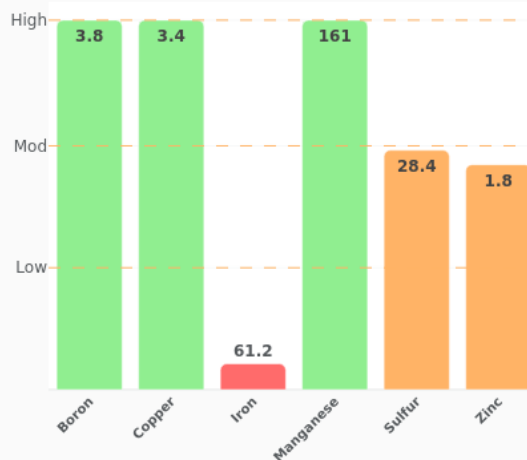
* First monthly total starts on the date 14 days prior to planting and final monthly total ends on the harvest date.

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.

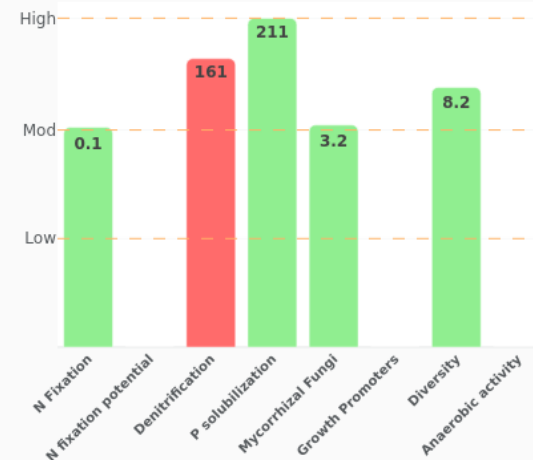
Macronutrients



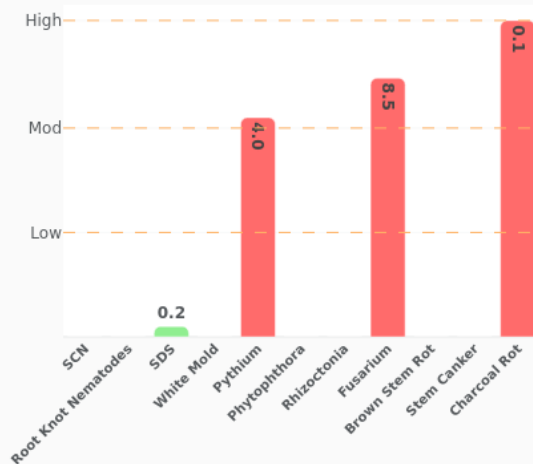
Micronutrients



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](#)

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All-Season Test Products (30 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE1220	E3	M	1.2	F,I
Apex	AE1350	E3	M	1.3	CMBV,SA
Dairyland	DSR-0678E	E3	M	0.6	Lum, LumT, IL
Dairyland	DSR-1099E	E3	M	1.0	Lum, LumT, IL
Dak-Sota	DE5507	E3	PK	0.7	TFI
Dak-Sota	DE5510	E3	PK	1.0	TFI
Dak-Sota	DE5514	E3	PK	1.4	TFI
Dak-Sota	DE5609	E3	PK	0.9	TFI
Fortus	0544E	E3	M	0.5	ACi,SU
Fortus	0831E	E3	M	0.8	ACi,SU
Jacobsen	J0995E3	E3	M	0.9	Treated
Jacobsen	J1464E3	E3	PK	1.4	Treated
Stine	06EJ23	E3	M	0.6	SFI
Stine	08EG62	E3	M	0.8	SFI
Stine	10EH02	E3	M	1.0	SFI
Stine	11EH06	E3	M	1.1	SFI
Stine	13EH62	E3	M	1.3	SFI
Thunder	TE7407N	E3	M	0.7	TFI
Thunder	TE7509N	E3	M	0.9	TFI
Thunder	TE7510N	E3	M	1.0	TFI
Thunder	TE7513N	E3	PK	1.3	TFI
Thunder	TX8307N	RXF	M	0.7	TFI
Thunder	TX8309N	RXF	M	0.9	TFI
Thunder	TX8313N	RXF	M	1.3	TFI
Thunder	TX8605N	RXF	M	0.5	TFI
Xitavo	XO 0806E	E3	M	0.8	PV,IL,OB,Rey
Xitavo	XO 1095E	E3	M	1.0	PV,IL,OB,Rey
Xitavo	XO 1116E	E3	M	1.1	PV,IL,OB,Rey
Xitavo	XO 1225E	E3	M	1.2	PV,IL,OB,Rey
Xitavo	XO 1446E	E3	M	1.4	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,SU	Acceleron® Standard Insecticide-Fungicide, StepUp
CMBV,SA	Cruisemaxx® Beans, Vibrance®, Saltro®
F,I	Fungicide, Insecticide
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SFI	Stine XP F&I
TFI	ThunderStruck F&I (Thunder Seed Inc.)
Treated	Treated, unspecified

* Seed treatments may include unspecified plant health promoting components.