

Test by: Southern MN FIRST New Richland, MN

2025 Soybeans Top 30 Harvest Report

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

Chad Biss, Grant County, MN 56531

All-Season Test	Maturity Group 0.5 - 1.4 S2025RRSO20
Top 30 of 30	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Status, Roundup, Atrazine
SOIL DESCRIPTION:	Flom-Hamerly Complex silty clay loam, poorly drained, non- irrigated
SOIL CONDITION:	7.51 pH, 5.95% OM, 22.65 CEC, high P, low K, low S, high B, high Zn
TILLAGE/CULTIVATION:	Minimum W/ Fall Till
PEST MANAGEMENT:	Liberty, Roundup, Clethodim, Insecticide
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 29 139.4 /A 30" spacing
HARVESTED - STAND:	Oct 8 124.2 /A
PEST & DISEASE RISK:	Phytophthora, Fusarium, Charcoal Rot, Anthracnose of Soybean*

TEST COMMENTS:

Chad stated that he recorded 20" of rainfall during the growing season (5" above average), and the soil profile was full of moisture until the warm, dry weather two weeks before harvest. He also said the low spots in his fields showed signs of water stress and lower yields, but his higher ground yielded better. This plot had uniform final stands and no weed pressure. Chad did spray insecticide for aphids in August.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Jacobsen	J1464E3 ↗	E3	1.4	PK	55.4	12.9	0	125.0	532	1
Stine	13EH62 ↗	E3	1.3	M	54.7	10.1	0	125.5	525	2
Dak-Sota	DE5510 ↗	E3	1.0	PK	53.6	9.7	0	126.3	515	3
Thunder	TE7513N ↗	E3	1.3	PK	52.6	10.0	0	124.0	505	4
Dak-Sota	DE5507 ↗	E3	0.7	PK	52.6	9.1	0	125.5	505	5
Stine	11EH06 ↗	E3	1.1	M	51.9	9.7	0	127.0	498	6
Xitavo	XO 1225E ↗	E3	1.2	M	51.4	9.9	0	121.7	493	7
Apex	AE1220 ↗	E3	1.2	M	51.0	10.1	0	124.3	490	8
Stine	10EH02 ↗	E3	1.0	M	50.8	9.9	0	126.0	488	9
Xitavo	XO 1116E ↗	E3	1.1	M	50.6	10.2	0	125.7	486	10
Thunder	TE7510N ↗	E3	1.0	M	50.1	9.3	0	124.7	481	11
Dak-Sota	DE5514 GC ↗	E3	1.4	PK	49.7	10.2	0	125.0	477	12
Xitavo	XO 1095E ↗	E3	1.0	M	49.2	9.5	0	125.3	472	13
Dak-Sota	DE5609 ↗	E3	0.9	PK	48.5	9.6	0	126.3	466	14
Jacobsen	J0995E3 ↗	E3	0.9	M	47.7	9.0	0	124.3	458	15
Thunder	TX8309N ↗	RXF	0.9	M	46.5	9.5	0	123.7	446	16
Stine	08EG62 ↗	E3	0.8	M	46.3	9.0	0	123.3	444	17
Apex	AE1350 GC ↗	E3	1.3	M	45.8	9.7	0	124.3	440	18
Fortus	0831E ↗	E3	0.8	M	44.9	9.4	0	125.0	431	19
Dairyland	DSR-1099E ↗	E3	1.0	M	44.7	10.4	0	123.0	429	20
Dairyland	DSR-0678E ↗	E3	0.6	M	44.6	8.9	0	125.0	428	21
Thunder	TX8605N ↗	RXF	0.5	M	44.2	9.0	0	126.7	424	22
Thunder	TX8313N ↗	RXF	1.3	M	44.1	10.7	0	123.3	423	23
Fortus	0544E ↗	E3	0.5	M	44.0	9.6	0	122.0	422	24
Xitavo	XO 1446E ↗	E3	1.4	M	43.8	10.3	0	123.0	420	25
Xitavo	XO 0806E ↗	E3	0.8	M	43.7	9.2	0	123.3	420	26
Thunder	TX8307N ↗	RXF	0.7	M	43.5	9.6	0	121.7	418	27
Stine	06EJ23 ↗	E3	0.6	M	42.2	8.9	0	121.0	405	28
Thunder	TE7509N ↗	E3	0.9	M	41.5	9.5	0	122.3	398	29
Thunder	TE7407N ↗	E3	0.7	M	40.1	9.3	0	123.3	385	30



Mark Querna

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Averages = **47.5** **9.7** **124.2** **457**

LSD (0.10) = 5.4 0.8 ns

LSD (0.25) = 2.9 0.4 ns

C.V. = 10.8

Historic yield: 42.73 bu/a, 7 yr(s)

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

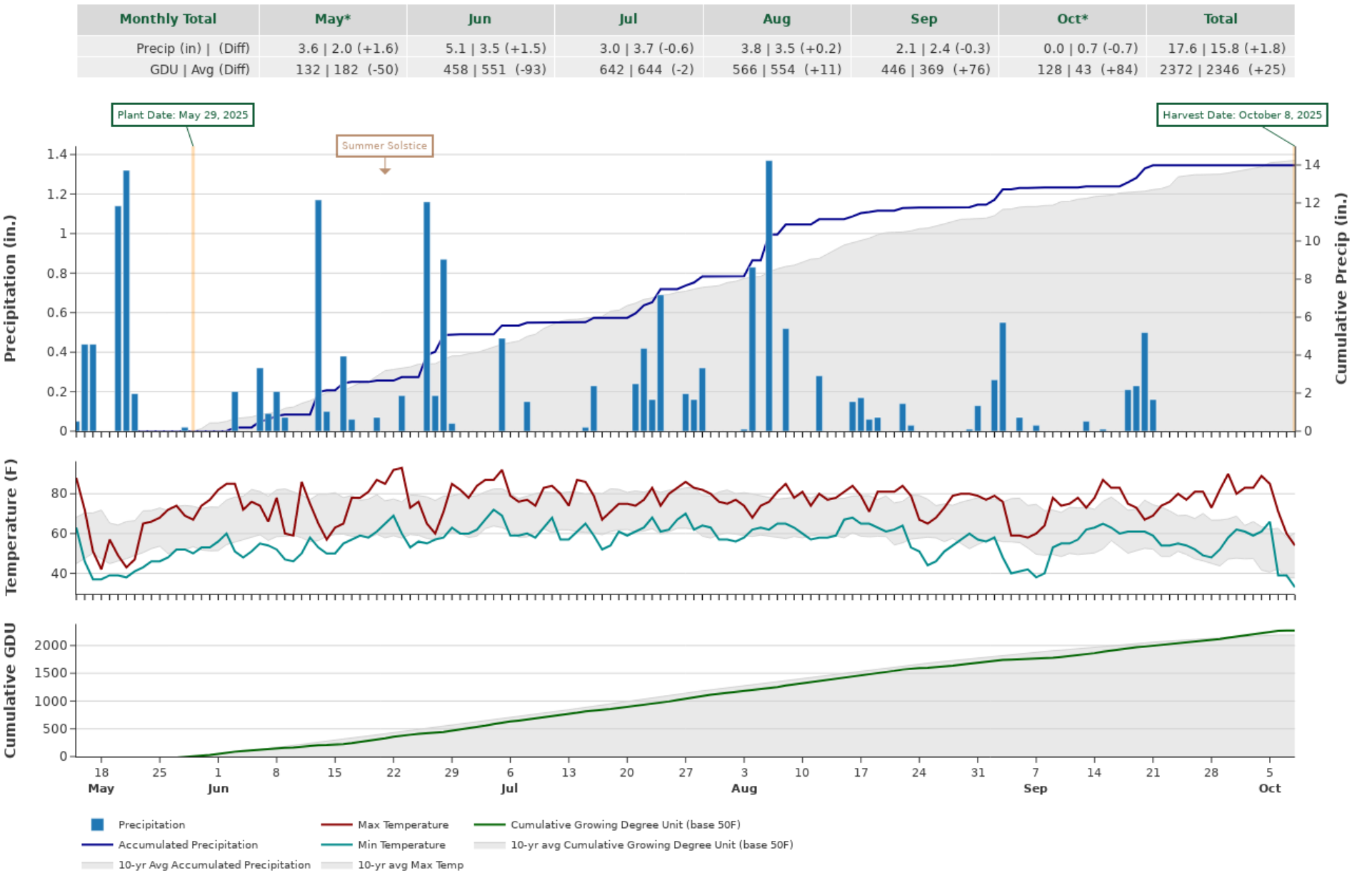
† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different. *[Earthoptics](#) 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 WENDELL, MN

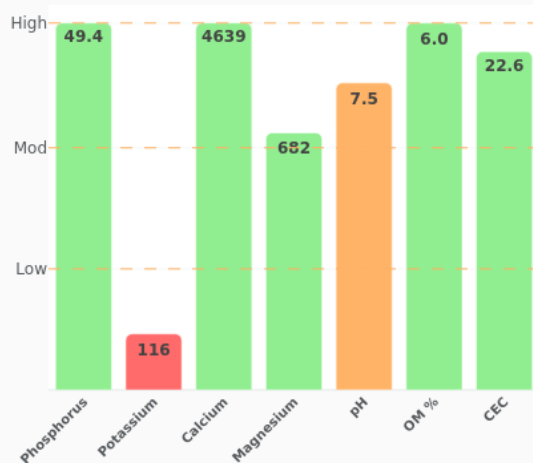
Weather Data Retrieved: 10/09/2025



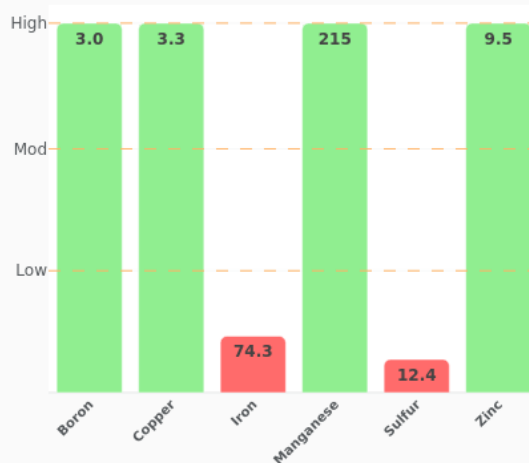
* First monthly total starts on the date 14 days prior to planting and final monthly total ends on the harvest date.

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.

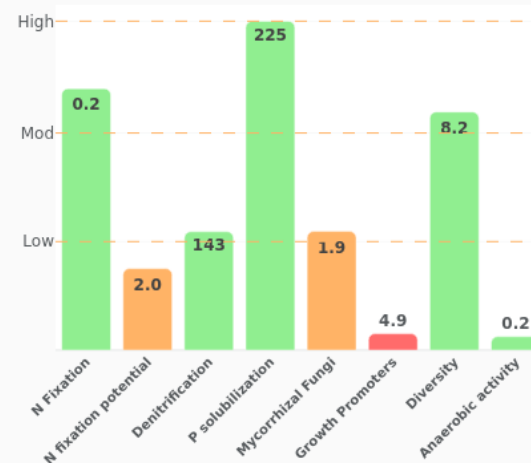
Macronutrients



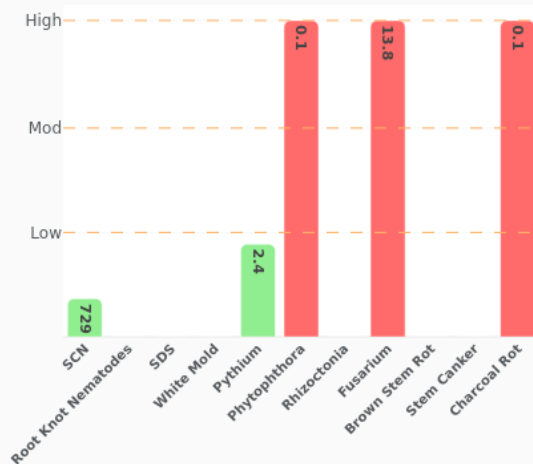
Micronutrients



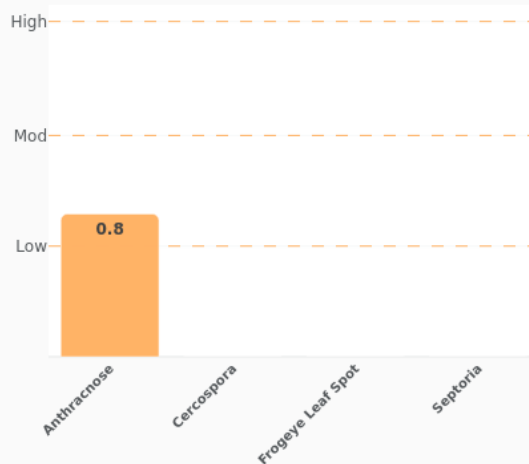
Biofertility Analytics



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.