

Test by: Southern MN FIRST New Richland, MN

2025 Soybeans Top 30 Harvest Report

Red River South North Dakota & Minnesota [RRSO]
LITCHVILLE, ND

Mark Formo, Barnes County, ND 58461

All-Season Test	Maturity Group 0.5 - 1.4 S2025RRSO18
Top 30 of 30	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Resicore, Powermax, Atrazine, Level Best
SOIL DESCRIPTION:	Lismore-Kranzburg silty clay loam, mod. well drained, non- irrigated
SOIL CONDITION:	5.51 pH, 4.24% OM, 12.0 CEC, low P, low K, low S, mod. B, low Zn
TILLAGE/CULTIVATION:	Minimum W/ Fall Till
PEST MANAGEMENT:	Liberty, Roundup, Insecticide
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 14 139.4 /A 30" spacing
HARVESTED - STAND:	Oct 8 123.7 /A
PEST & DISEASE RISK:	Brown Stem Rot*

TEST COMMENTS:

This plot site had excellent planting conditions (except for the 1 billion mosquitoes that plagued my planting assistant that evening). Plot host Mark told me that they received two driving hard rains in June that affected many bean acres near Litchville, and fields for miles to the east. Fields here averaged 26-35 bu/acre this year, while beans in the hills to the west showed better yields. Mark did spray insecticide for aphids. The entire plot was shorter than average. As Mark shared with me, "There's always hope for next year!" This test was rejected due to yield variability.

Company/Brand	Product/Brand	Tested 1	Yr	Yield Bu/A	Moisture %	Logging %	Stand in 2025	Gross Income \$/Acre	Rank	
Stine	120448 F	03	1.1	W	40.8	11.8	0	127.0	362	1
Agri	461220 F	03	1.2	W	39.2	10.8	0	125.3	376	2
Thunder	767609 F	03	0.9	W	39.1	11.7	0	125.0	376	3
Stine	401208 F	03	1.2	W	39.0	12.2	0	124.0	374	4
Daeryland	01041088 F	03	1.0	W	38.6	9.5	0	123.5	371	5
Daeryland	01041078 F	03	0.8	W	38.5	11.1	0	124.3	364	6
Thunder	7480124 F	00F	1.3	W	37.4	11.9	0	124.7	368	7
Stine	0801042 F	03	1.0	W	37.3	9.7	0	124.7	368	8
Thunder	7480096 F	00F	0.9	W	37.0	11.3	0	124.7	365	9
Forbus	08482 F	03	1.0	W	36.9	11.3	0	125.0	361	10
Stine	1204402 F	03	1.0	W	36.9	11.0	0	125.7	361	11
Thunder	7480076 F	00F	0.7	W	36.7	11.8	0	125.3	345	12
Dark Side	067004 OC F	03	1.0	W	36.6	12.2	0	124.0	342	13
Stine	4010888 F	03	1.0	W	36.5	10.8	0	124.7	341	14
Stine	4014488 F	03	1.0	W	36.3	9.1	0	122.7	339	15
Stine	1204402 F	03	1.0	W	36.3	9.3	0	125.0	339	16
Thunder	7676076 F	03	0.7	W	36.7	11.8	0	122.7	335	17
Stine	4012088 F	03	1.0	W	36.7	11.8	0	125.3	333	18
Stine	0801042 F	03	0.8	W	36.7	12.7	0	125.7	333	19
Thunder	7480096 F	00F	0.9	W	36.4	12.2	0	124.0	330	20
Dark Side	067004 F	03	1.0	W	36.2	11.8	0	125.7	329	21
Dark Side	067004 F	03	0.8	W	36.0	11.8	0	124.3	326	22
Forbus	0801042 F	03	0.8	W	35.7	11.8	0	122.7	324	23
Stine	4012088 F	03	1.1	W	35.1	10.4	0	124.0	328	24
Agri	461220 OC F	03	1.3	W	32.5	9.4	0	124.7	312	25
Thunder	7676096 F	03	1.0	W	31.8	9.9	0	125.3	305	26
Thunder	7676096 F	03	1.3	W	29.6	9.0	0	125.3	284	27
Jacobson	2044023 F	03	0.9	W	28.5	11.4	0	122.3	274	28
Jacobson	2044023 F	03	1.4	W	27.7	9.2	0	121.3	266	29
Dark Side	067004 F	03	0.7	W	27.6	7.3	0	122.3	265	30

Mark Querna

Mark Querna

mark.querna@firstseedtests.com, (507) 380-9920

Averages = **34.9** **10.9** **0** **123.7** **335**

LSD (0.10) = ns ns ns

LSD (0.25) = ns ns ns

C.V. = 15.3

Historic yield: 49.2 bu/a, 8 yr(s)

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.03

Prices: GMO = \$9.60

Report Date: 10/11/2025

Additional reports available at www.firstseedtests.com

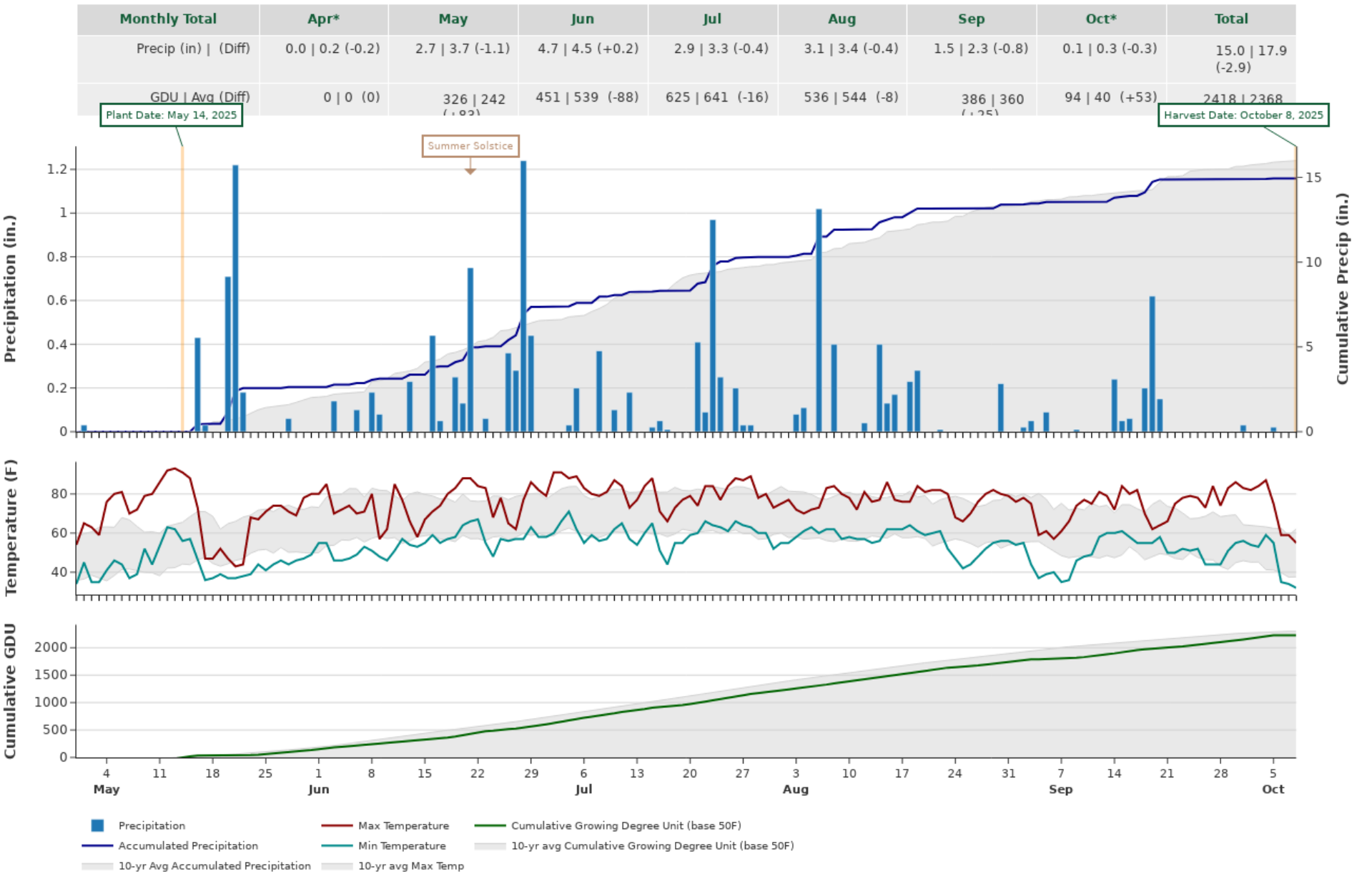
† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly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

©2025, All rights reserved to Farmers' Independent Research of Seed Technologies, LLC.

2025 Soybeans - Red River South North Dakota & Minnesota [RRSO]

Weather Conditions Summary at LITCHVILLE, ND

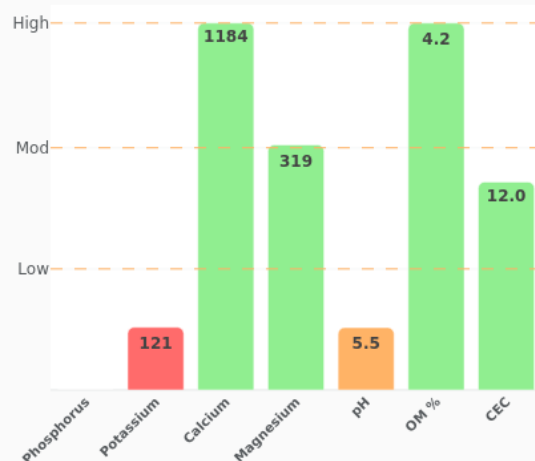
Weather Data Retrieved: 10/11/2025



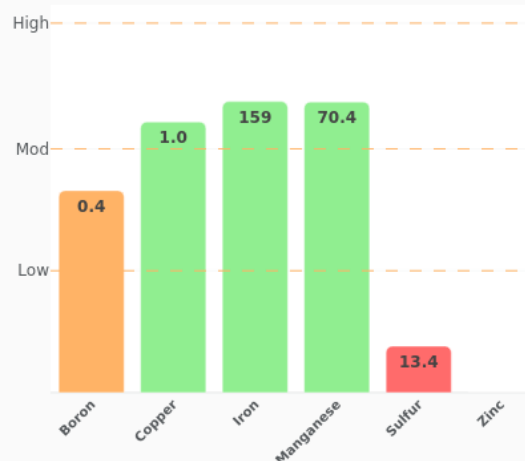
* First monthly total starts on the date 14 days prior to planting and final monthly total ends on the harvest date.

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



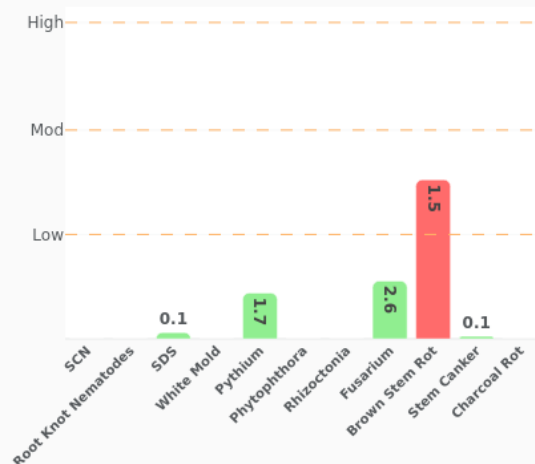
Micronutrients



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](#)

2025 Soybeans - Red River South North Dakota & Minnesota [RRSO]

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	Cruiserm maxx® 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.