

Test by: NewVenture, LLC Ellendale, MN

2025 Soybeans Top 30 Harvest Report

Minnesota North Central [MNNC] ROYALTON, MN

Kenny Kasella, Morrison County, MN 56315

All-Season Test	Maturity Group 0.6 - 1.5 S2025MNNC03
Top 28 of 28	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / NA
SOIL DESCRIPTION:	Menahga loamy sand, well drained, non-irrigated
SOIL CONDITION:	7.19 pH, 1.91% OM, 8.46 CEC, high P, high K, low S, high B, high Zn
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Outlook, Liberty
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 13 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 19 123.9 /A
PEST & DISEASE RISK:	SCN, Fusarium, Brown Stem Rot, Red Crown Rot, Anthracnose of Soybean*

TEST COMMENTS:

As far as dryland sandy soil can go, this is a great plot. Stands were excellent and consistent. There was negligible lodging present and no disease pressure noted. Disease risks were found in the soil analysis and could have impacted how some varieties performed versus others. Thanks to Kenny for hosting.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Apex	AE1350 ↗	E3	1.3	M	60.9	13.3	2	123.3	584	1
Thunder	TE7513N ↗	E3	1.3	PK	59.5	12.3	1	124.7	571	2
Thunder	TE7415N ↗	E3	1.5	PK	58.4	12.9	1	124.7	561	3
Stine	13EH62 ↗	E3	1.3	M	57.3	13.1	0	124.7	550	4
Thunder	TX8215N ↗	RXF	1.5	M	57.3	13.1	2	126.0	550	5
Jacobsen	J1464E3 ↗	E3	1.4	PK	56.8	13.3	3	124.7	545	6
Dak-Sota	DE5514 ↗	E3	1.4	PK	55.6	13.3	1	122.7	533	7
Xitavo	XO 1545E ↗	E3	1.5	PK	55.1	13.2	2	123.0	528	8
Dairyland	DSR-1383E ↗	E3	1.3	PK	54.1	12.7	2	122.7	519	9
Xitavo	XO 1116E ↗	E3	1.1	M	53.6	14.0	1	124.7	513	10
Dairyland	DSR-1099E ↗	E3	1.0	M	53.1	13.1	0	121.3	510	11
Thunder	TX8313N ↗	RXF	1.3	M	52.5	13.0	1	123.3	504	12
Stine	08EJ32 ↗	E3	0.8	M	52.4	13.4	1	122.7	502	13
Stine	15EH02 ↗	E3	1.5	M	50.8	13.4	2	126.0	487	14
Dak-Sota	DE5215 ↗	E3	1.5	M	50.7	13.0	3	122.0	487	15
Apex	AE1520 ↗	E3	1.5	M	50.5	13.0	1	126.0	485	16
Dairyland	DSR-0678E ↗	E3	0.6	M	50.2	13.4	0	122.7	481	17
Thunder	TX8412N ↗	RXF	1.2	M	49.4	13.0	3	123.3	474	18
Xitavo	XO 1446E ↗	E3	1.4	M	48.8	13.1	1	126.0	468	19
Apex	AE1050 ↗	E3	1.0	M	48.1	13.4	1	123.3	461	20
Stine	08EG62 ↗	E3	0.8	M	46.5	13.1	0	123.3	446	21
Pioneer	P13Z28E GC ↗	E3	1.3	S	46.4	12.8	2	123.3	445	22
Stine	10EH02 ↗	E3	1.0	M	45.5	13.3	0	126.0	436	23
Thunder	TX8307N ↗	RXF	0.7	M	45.4	13.9	2	124.0	434	25
Thunder	TE7510N ↗	E3	1.0	M	45.4	13.1	1	122.7	436	24
Xitavo	XO 1225E ↗	E3	1.2	M	45.2	13.1	1	124.0	434	26
Xitavo	XO 0806E ↗	E3	0.8	M	44.0	13.2	0	126.0	422	27
Xitavo	XO 1095E ↗	E3	1.0	M	36.7	13.4	1	122.0	352	28

Averages = **51.0** **13.2** **1** **123.9** **490**

LSD (0.10) = 5.6 0.3 ns

LSD (0.25) = 3.0 0.2 ns

Ed Dahle

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C.V. = 10.4

Historic yield: 47.84 bu/a, 6 yr(s)

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.035

Prices: GMO = \$9.60

Report Date: 10/19/2025

† 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.

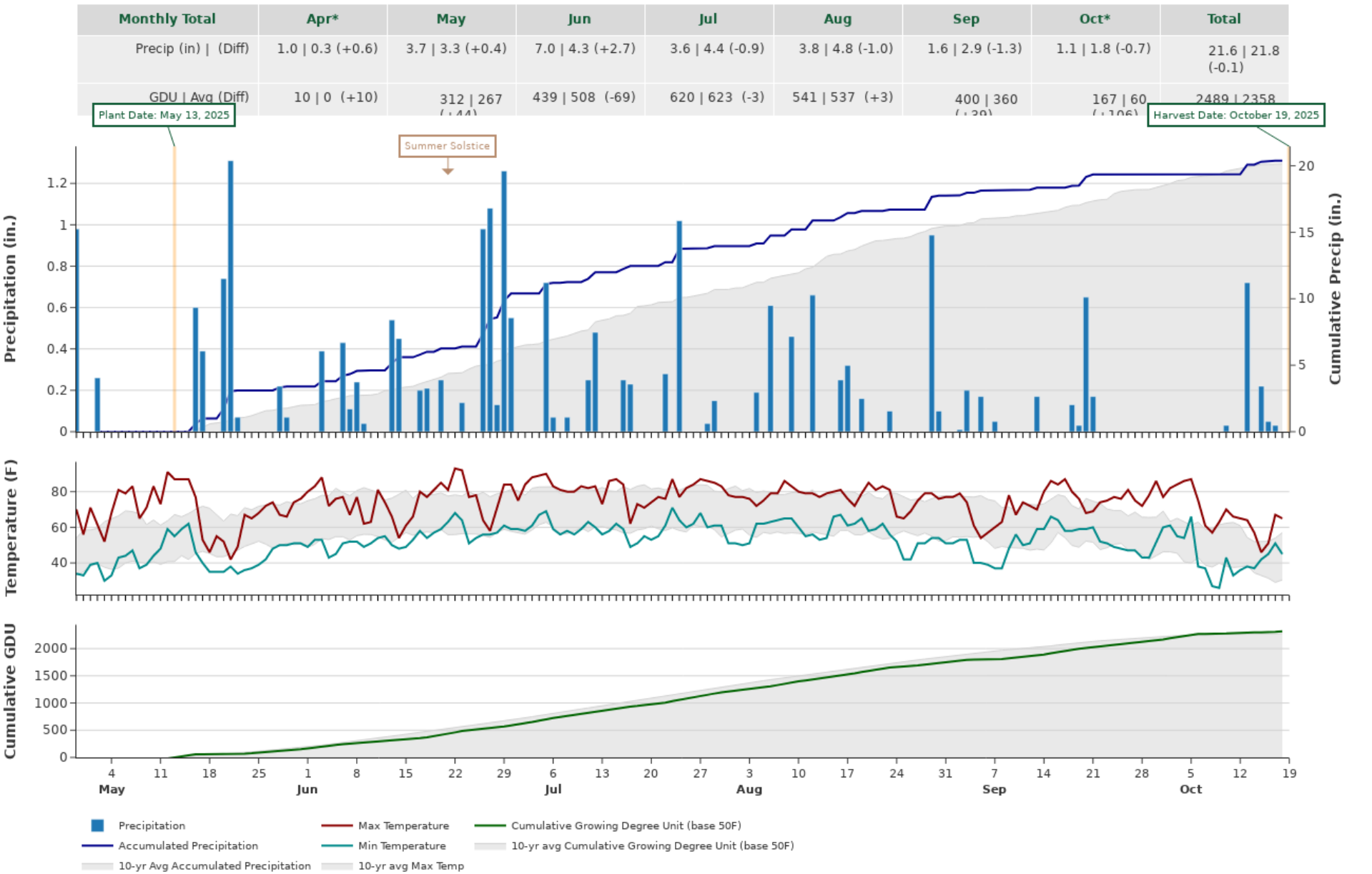
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Additional reports available at www.firstseedtests.com

2025 Soybeans - Minnesota North Central [MNNC]

Weather Conditions Summary at ROYALTON, MN

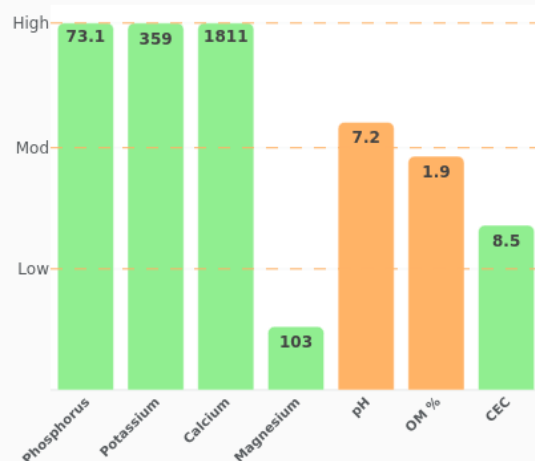
Weather Data Retrieved: 10/19/2025



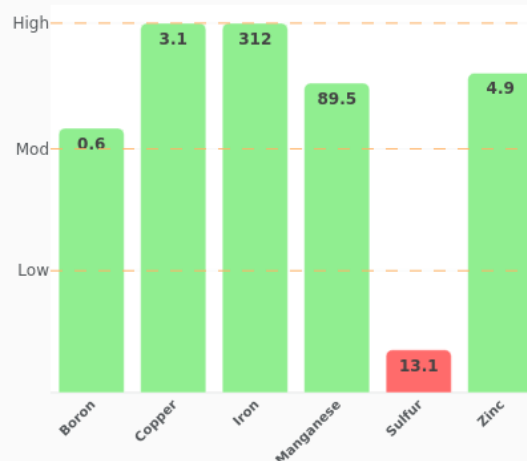
* First monthly total starts on the date 14 days prior to planting and final monthly total ends on the harvest date.

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



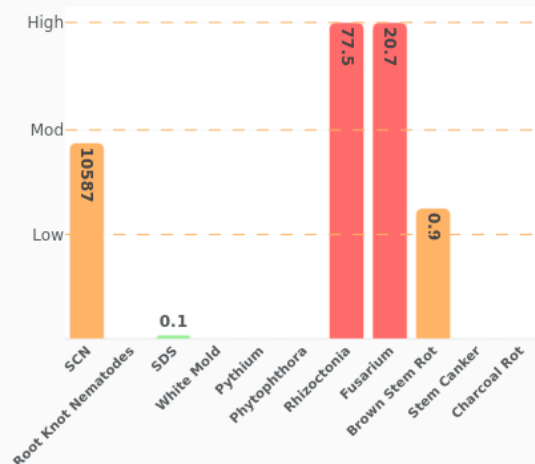
Micronutrients



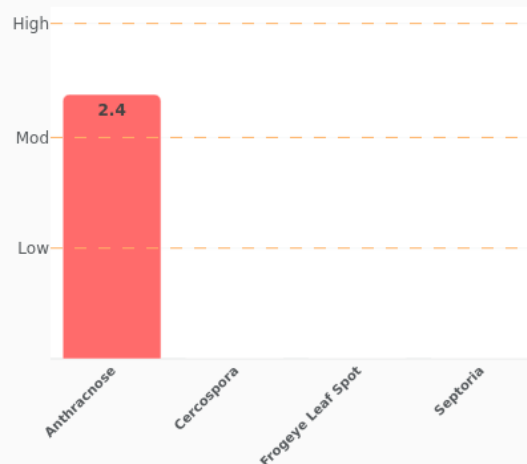
Biofertility Analytics



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 - Minnesota North Central [MNNC]

All-Season Test Products (28 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE1050	E3	M	1.0	CMB-APX,SA
Apex	AE1350	E3	M	1.3	CMBV,SA
Apex	AE1520	E3	M	1.5	F,I
Dairyland	DSR-0678E	E3	M	0.6	Lum, LumT, IL
Dairyland	DSR-1099E	E3	M	1.0	Lum, LumT, IL
Dairyland	DSR-1383E	E3	PK	1.3	Lum, LumT, IL
Dak-Sota	DE5215	E3	M	1.5	TFI
Dak-Sota	DE5514	E3	PK	1.4	TFI
Jacobsen	J1464E3	E3	PK	1.4	F,I
Pioneer	P13Z28E	E3	S	1.3	Treated
Stine	08EG62	E3	M	0.8	SFI
Stine	08EJ32	E3	M	0.8	SFI
Stine	10EH02	E3	M	1.0	SFI
Stine	13EH62	E3	M	1.3	SFI
Stine	15EH02	E3	M	1.5	SFI
Thunder	TE7415N	E3	PK	1.5	TFI
Thunder	TE7510N	E3	M	1.0	TFI
Thunder	TE7513N	E3	PK	1.3	TFI
Thunder	TX8215N	RXF	M	1.5	TFI
Thunder	TX8307N	RXF	M	0.7	TFI
Thunder	TX8313N	RXF	M	1.3	TFI
Thunder	TX8412N	RXF	M	1.2	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
Xitavo	XO 1545E	E3	PK	1.5	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*

CMB-APX,SA	CruiserMaxx® APX with Saltro®
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.