

Test by: F.I.R.S.T. MSR, Inc. Columbia, MO

2025 Soybeans Top 30 Harvest Report

Missouri Central [MOCE] NEW FRANKLIN, MO
Randy & Danny Kircher, Howard County, MO 65274

All-Season Test	Maturity Group 3.6 - 4.8 S2025MOCE02
Top 30 of 45	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Degree Xtra, Atrazine, Glyphosate
SOIL DESCRIPTION:	Lowmo silt loam, well drained, non-irrigated
SOIL CONDITION:	5.43 pH, 1.99% OM, 6.23 CEC, medium P, medium K, low S, low B, high Zn
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Zidua Sc, Liberty, Roundup
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 2 140.0 /A 30" spacing
HARVESTED - STAND:	Nov 4 120.3 /A
PEST & DISEASE RISK:	SDS, Fusarium, White Mold, Anthracnose of Soybean*

TEST COMMENTS:

This location planted great into a warm and fit stale-seedbed. Two days after planting, a 2.5" rain event came through the area. The 7 days after planting accumulated 3.77" of precipitation. The soil type here is well-drained and more forgiving to such stresses. Good stands and a good-looking trial all summer followed. A bit more lodging here was noted at this river bottom location. This was a nice plot with good yields.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	43N06E ↗	E3	4.3	M	86.5	12.5	4	127.7	834	1
NuTech	47N04E ↗	E3	4.7	M	85.4	12.7	8	120.0	823	2
AgVenture	AV38B2E ↗	E3	3.8	M	83.7	12.3	1	120.0	807	3
FS HiSOY	HS 44F30 ↗	RXF,ST	4.4	M	83.3	12.5	13	108.3	803	4
Burrus	4353E ↗	E3	4.3	M	82.9	12.8	2	116.0	799	5
Burrus	4134E ↗	E3	4.1	M	82.3	12.7	1	118.0	793	6
Great Heart	GT-3972E ↗	E3	3.9	M	81.9	12.9	6	108.7	790	7
Pioneer	P40Z57E GC ↗	E3	4.0	R	81.6	12.9	2	116.0	787	8
AgVenture	AV40C3E ↗	E3	4.0	M	81.5	12.8	7	124.0	786	9
NuTech	45N12E ↗	E3	4.5	M	81.0	12.2	11	118.0	781	10
AgVenture	AV46C3E ↗	E3	4.6	M	80.7	12.5	11	126.0	778	11
Xitavo	XO 4056E ↗	E3	4.0	M	79.3	12.4	1	118.3	764	12
AgVenture	AV44B2E ↗	E3	4.4	M	78.9	12.4	3	122.0	761	13
NuTech	38N05E ↗	E3	3.8	M	78.3	12.5	2	128.0	755	14
FS HiSOY	HS 48F40 ↗	RXF	4.8	M	78.3	12.9	4	114.0	755	15
FS HiSOY	HS 39E40 ↗	E3,ST	3.9	M	78.2	12.6	1	122.0	754	16
DONMARIO	DM37F85S ↗	RXF,ST	3.7	M	78.2	12.9	1	130.0	754	17
NuTech	43N11BE ↗	E3,ST	4.3	M	77.8	12.4	5	122.0	750	18
NuTech	36N06E ↗	E3	3.6	M	77.8	12.7	2	123.7	750	19
Great Heart	GT-3771E ↗	E3	3.7	M	77.7	12.6	2	106.3	749	20
Xitavo	XO 4255E ↗	E3	4.2	M	77.7	12.6	11	128.0	749	21
Monier	ME38 ↗	E3	3.8	M	77.5	12.7	2	120.0	747	22
FS HiSOY	HS 37E40 ↗	E3	3.7	M	77.5	12.9	1	116.3	747	23
FS HiSOY	HS 43E30 ↗	E3,ST	4.3	M	76.9	12.6	9	120.3	741	24
FS HiSOY	HS 41E40 ↗	E3,ST	4.1	M	76.9	12.7	1	122.0	741	25
AgVenture	AV48B2E ↗	E3	4.8	M	76.7	12.4	7	126.0	739	26
Agrisoy	39A05E ↗	E3,ST	3.9	NA	76.4	12.5	5	116.0	736	27
Agrisoy	40A05E ↗	E3,ST	3.9	NA	76.4	12.7	1	125.7	736	28
Xitavo	XO 4405E ↗	E3	4.4	M	76.0	12.6	9	120.0	733	29
AgVenture	AV36B2E ↗	E3	3.6	M	75.8	12.9	1	108.3	731	30

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Averages = **77.1** **12.6** **6** **120.3** **744**

LSD (0.10) = 4.8 0.2 5

LSD (0.25) = 2.5 0.1 3

C.V. = 6.0

Historic yield: 70.57 bu/a, 2 yr(s)

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.00

Prices: GMO = \$9.64

Report Date: 11/05/2025

Additional reports available at www.firstseedtests.com

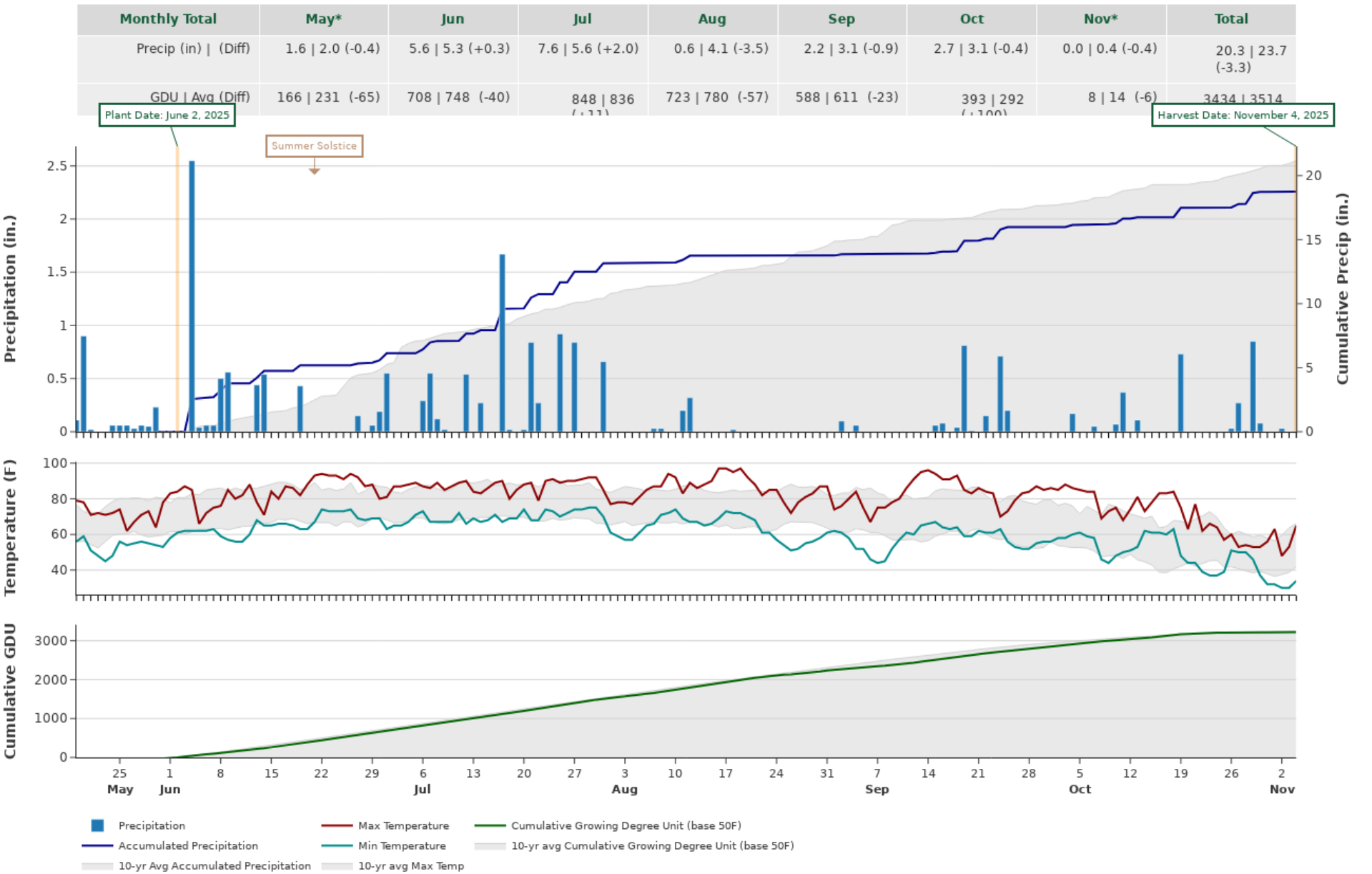
† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly 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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2025 Soybeans - Missouri Central [MOCE]

Weather Conditions Summary at NEW FRANKLIN, MO

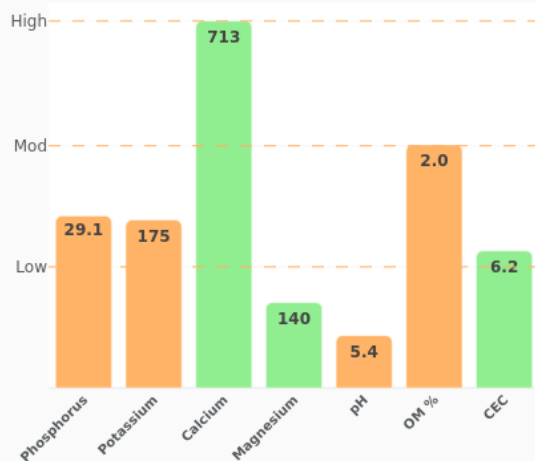
Weather Data Retrieved: 11/05/2025



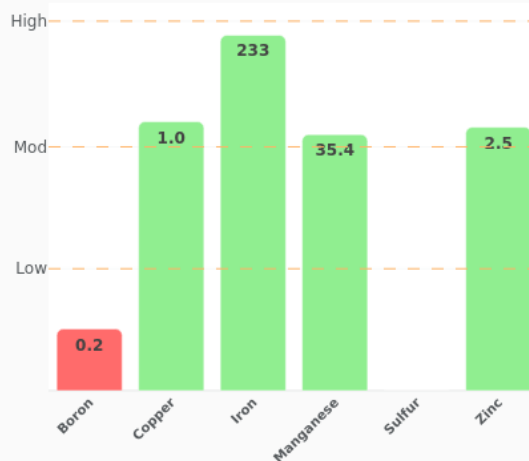
* First monthly total starts on the date 14 days prior to planting and final monthly total ends on the harvest date.

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.

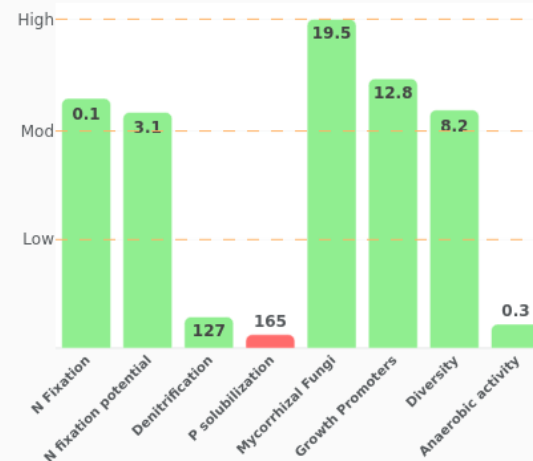
Macronutrients



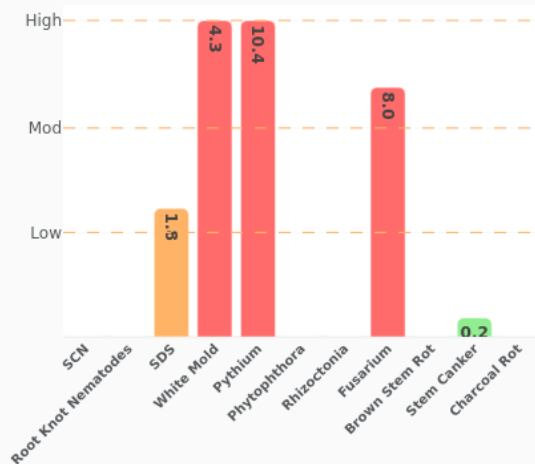
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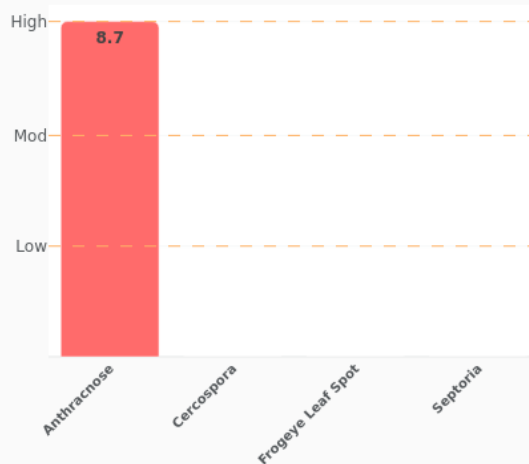
Biofertility Analytics



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 - Missouri Central [MOCE]

All-Season Test Products (45 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Agrisoy	39A05E	E3,ST	NA	3.9	NA
Agrisoy	40A05E	E3,ST	NA	3.9	NA
Agrisoy	41A04E	E3	M	4.1	NA
Agrisoy	43A04E	E3	M	4.3	NA
AgVenture	AV36B2E	E3	M	3.6	CMB-APX,SA
AgVenture	AV38B2E	E3	M	3.8	CMB-APX,IL
AgVenture	AV39B2E	E3	PK	3.9	CMB-APX,IL
AgVenture	AV40C3E	E3	M	4.0	Lum,Lu,Lud,IL
AgVenture	AV41Y5E	E3	M	4.1	CMB-APX,IL
AgVenture	AV44B2E	E3	M	4.4	CMB-APX,IL
AgVenture	AV46C3E	E3	M	4.6	CMB-APX,IL
AgVenture	AV48B2E	E3	M	4.8	CMB-APX,IL
Burrus	4134E	E3	M	4.1	BPS-SDS
Burrus	4353E	E3	M	4.3	BPS-SDS
DONMARIO	DM36E94	E3	M	3.6	CMB-APX,SA
DONMARIO	DM37F85S	RXF,ST	M	3.7	CMB-APX,SA
DONMARIO	DM38E54	E3	M	3.8	CMB-APX,SA
DONMARIO	DM40F45S	RXF,ST	M	4.0	CMB-APX,SA
FS HiSOY	HS 37E40	E3	M	3.7	ACi,SA
FS HiSOY	HS 39E40	E3,ST	M	3.9	ACi,SA
FS HiSOY	HS 41E40	E3,ST	M	4.1	ACi,SA
FS HiSOY	HS 43E30	E3,ST	M	4.3	ACi,SA
FS HiSOY	HS 44F30	RXF,ST	M	4.4	ACi,SA
FS HiSOY	HS 46F50	RXF,ST	M	4.6	ACi,SA
FS HiSOY	HS 48E50	E3,ST	M	4.8	ACi,SA
FS HiSOY	HS 48F40	RXF	M	4.8	ACi,SA
Great Heart	GT-3771E	E3	M	3.7	Gr+
Great Heart	GT-3972E	E3	M	3.9	Gr+
Great Heart	GT-4148ES	E3,ST	M	4.1	Gr+
Monier	ME38	E3	M	3.8	D,Sa
NuTech	36N06E	E3	M	3.6	Lum, LumT, IL
NuTech	38N05E	E3	M	3.8	Lum, LumT, IL
NuTech	39N08E	E3	PK	3.9	Lum, LumT, IL
NuTech	41N04E	E3	M	4.1	Lum, LumT, IL
NuTech	43N06E	E3	M	4.3	Lum, LumT, IL
NuTech	43N11BE	E3,ST	M	4.3	Lum, LumT, IL

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
NuTech	45N12E	E3	M	4.5	Lum, LumT, IL
NuTech	47N04E	E3	M	4.7	Lum, LumT, IL
Pioneer	P40Z57E	E3	R	4.0	NA
Xitavo	XO 3655E	E3	M	3.6	PV,IL,OB,Rey
Xitavo	XO 3705E	E3	M	3.7	PV,IL,OB,Rey
Xitavo	XO 3855E	E3	M	3.8	PV,IL,OB,Rey
Xitavo	XO 4056E	E3	M	4.0	PV,IL,OB,Rey
Xitavo	XO 4255E	E3	M	4.2	PV,IL,OB,Rey
Xitavo	XO 4405E	E3	M	4.4	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®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

ACi,SA	Acceleron® Standard Insecticide-Fungicide, Saltro®
BPS-SDS	Burrus PowerShield® SDS
CMB-APX,IL	CruiserMaxx® APX with ILEVO®
CMB-APX,SA	CruiserMaxx® APX with Saltro®
D,Sa	Duo, Saltro
Gr+	Great Start Max Plus (Great Heart Seed)
Lum,Lu,Lud,IL	LumiGEN™, Luminesa, Lumiderm, ILeVO
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®

* Seed treatments may include unspecified plant health promoting components.