

Test by: Bottomline Seed Solutions, LLC Effingham, IL

2025 Soybeans Top 30 Harvest Report

Illinois South [ILSO] BELLEVILLE, IL


John Barttelbort, St. Clair County, IL 62221

All-Season Test	Maturity Group 3.5 - 4.8 S2025ILSO04
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Acuron, Trivapro
SOIL DESCRIPTION:	Edwardsville silt loam, mod. poorly drained, non-irrigated
SOIL CONDITION:	5.43 pH, 3.21% OM, 7.99 CEC, low P, low K, low S, low B, high Zn
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Roundup, Liberty, Flexstar, Clethodim
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 2 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 25 109.1 /A
PEST & DISEASE RISK:	SDS, Fusarium, White Mold, Anthracnose of Soybean*

TEST COMMENTS:

This no-till location was planted in early June, followed by good emergence. Thanks to St. Clair Service Company for the weed control, as the waterhemp was very stubborn this growing season. The plants were normal in height and were very healthy. The moistures and yields were consistent throughout the plot. This was a good late-planted location.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Burrus	4125F ↗	RXF	4.1	M	67.4	13.2	0	107.0	664	1
FS HISOY	HS 44F30 ↗	RXF,ST	4.4	M	64.7	13.1	0	102.3	637	2
Xitavo	XO 3555E ↗	E3	3.5	M	64.2	12.6	0	125.3	632	3
Asgrow	AG48XF3 GC ↗	RXF	4.8	R	63.9	12.5	0	113.0	629	4
FS HISOY	HS 43E30 ↗	E3,ST	4.3	M	63.9	12.6	0	117.3	629	5
Pioneer	P40Z57E GC ↗	E3	4.0	R	63.4	12.5	0	107.0	624	6
AgVenture	AV48B2E ↗	E3	4.8	M	63.1	12.8	0	115.0	622	7
AgVenture	AV40C3E ↗	E3	4.0	M	63.0	13.0	0	93.0	621	8
NuTech	45N12E ↗	E3	4.5	M	62.4	12.6	5	108.7	615	9
FS HiSOY	HS 45E50 ↗	E3	4.5	M	62.2	13.2	0	102.3	613	10
NuTech	41N04E ↗	E3	4.1	M	62.0	12.8	0	117.7	611	11
Pioneer	P41Z16E GC ↗	E3	4.1	R	61.8	12.8	0	111.7	609	12
Asgrow	AG43XF5 GC ↗	RXF	4.3	R	61.5	12.8	0	100.7	606	13
Apex	AE3550S ↗	E3,ST	3.5	M	61.4	12.6	0	108.7	605	14
FS HISOY	HS 42F50 ↗	RXF	4.2	M	61.4	13.1	2	124.0	605	15
NuTech	43N06E ↗	E3	4.3	M	61.1	12.7	2	124.0	602	16
Xitavo	XO 4364E ↗	E3	4.3	M	60.9	12.7	1	117.7	600	17
Fortus	4125ES ↗	E3,ST	4.1	M	60.9	12.9	0	111.7	600	18
DONMARIO	DM37F85S ↗	RXF,ST	3.7	M	60.9	13.2	0	111.7	600	19
AgVenture	AV45B2E ↗	E3	4.5	M	60.9	12.5	3	113.0	600	20
NuTech	43N11BE ↗	E3,ST	4.3	M	60.8	12.7	0	104.0	599	21
Dyna-Gro	S38EN75 ↗	E3	3.8	M	60.7	13.0	0	117.7	598	22
Burrus	4134E ↗	E3	4.1	M	60.7	12.7	0	125.3	598	23
Dyna-Gro	S41XF65 ↗	RXF	4.1	M	60.6	13.0	0	111.3	597	24
Apex	AE4150S ↗	E3,ST	4.1	M	60.5	12.6	0	110.0	596	25
NuTech	39N08E ↗	E3	3.9	PK	60.1	13.0	0	116.3	592	26
Great Heart	GT-4320ES ↗	E3,ST	4.3	M	59.9	12.4	0	100.7	590	27
FS HiSOY	HS 48F40 ↗	RXF	4.8	M	59.4	14.2	2	105.3	585	28
Xitavo	XO 4255E ↗	E3	4.2	M	59.3	12.9	0	120.7	584	29
AgVenture	AV46C3E ↗	E3	4.6	M	58.8	12.5	3	116.3	579	30

	Averages =	58.9	12.9	1	109.1	580
	LSD (0.10) =	3.9	0.4	2		
	LSD (0.25) =	2.1	0.2	1		
	C.V. =	6.3				
Historic yield: 57.79 bu/a, 22 yr(s)						

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.00 Prices: GMO = \$9.85

Report Date: 10/27/2025

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.

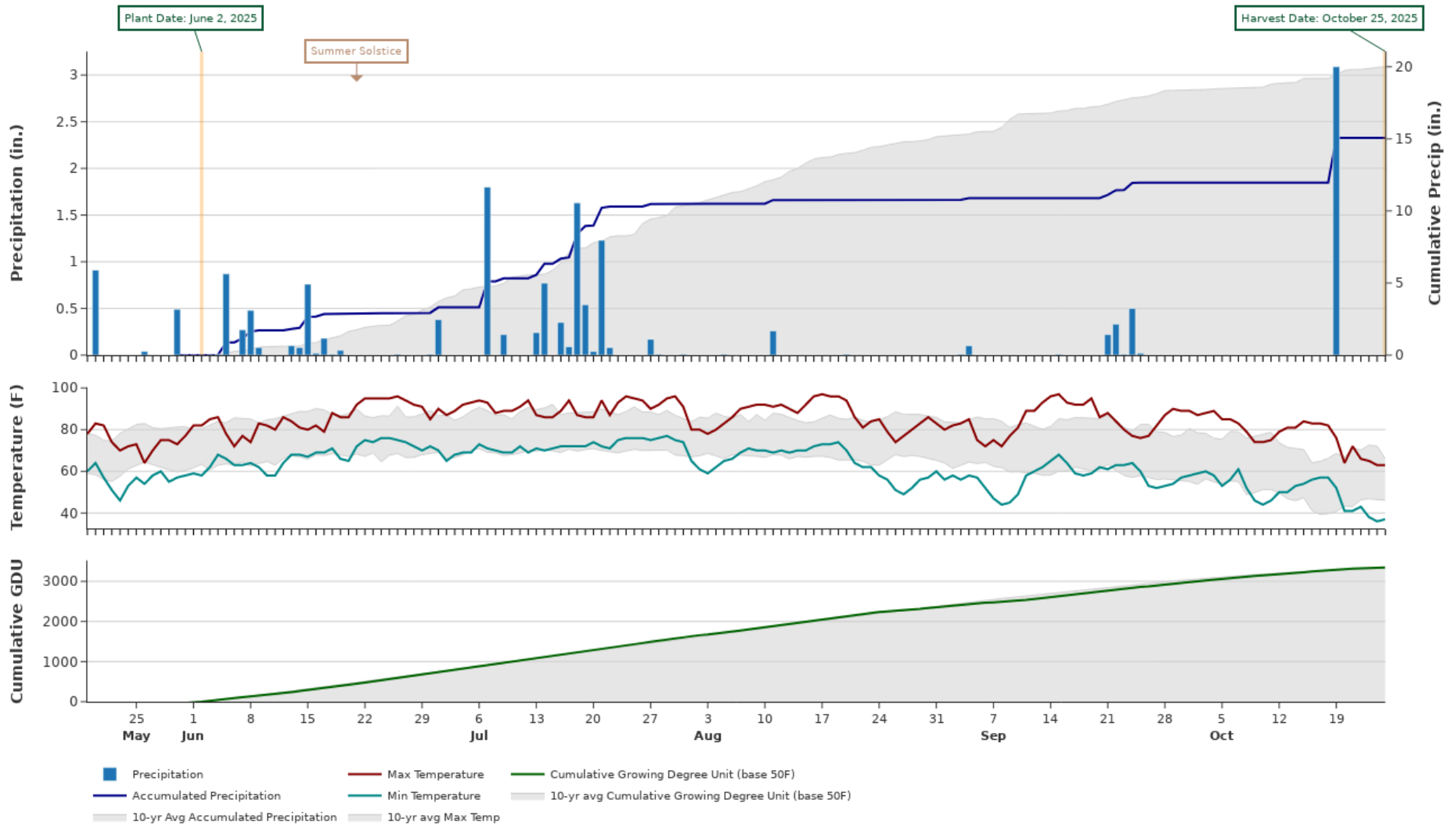
©2025, All rights reserved to Farmers' Independent Research of Seed Technologies, LLC.

2025 Soybeans - Illinois South [ILSO]

Weather Conditions Summary at BELLEVILLE, IL

Weather Data Retrieved: 10/27/2025

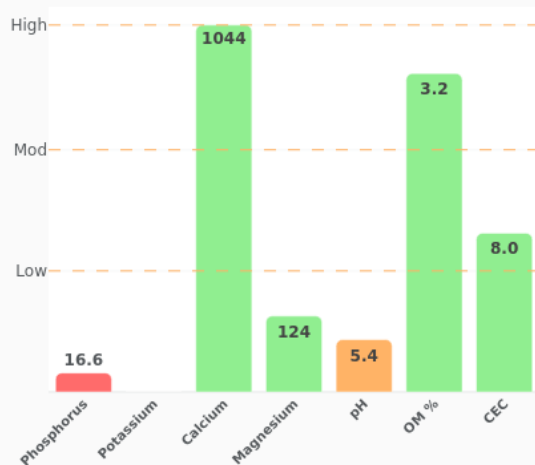
Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in.) (Diff)	1.4 2.1 (-0.7)	2.9 3.4 (-0.5)	7.6 7.0 (+0.5)	0.3 4.8 (-4.5)	1.2 3.2 (-2.0)	3.1 1.6 (+1.4)	16.5 22.2 (-5.7)
GDU Avg (Diff)	200 257 (-57)	757 763 (-6)	898 855 (+42)	742 804 (-62)	597 643 (-46)	388 306 (+81)	3582 3631 (-49)



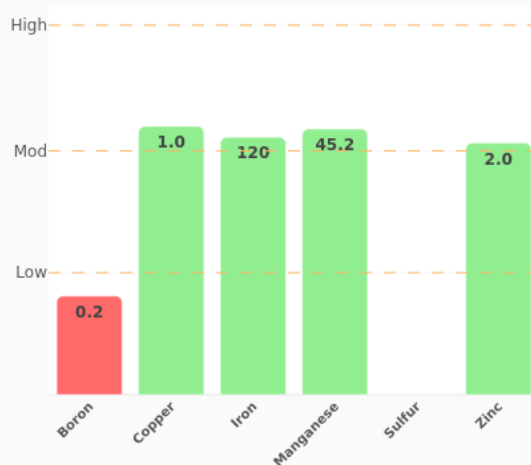
* First monthly total starts on the date 14 days prior to planting and final monthly total ends on the harvest date.

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.

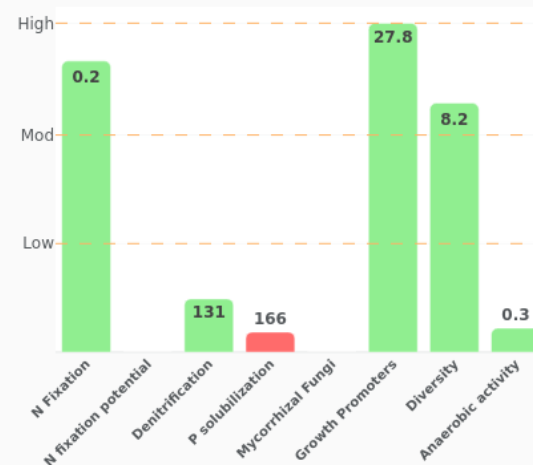
Macronutrients



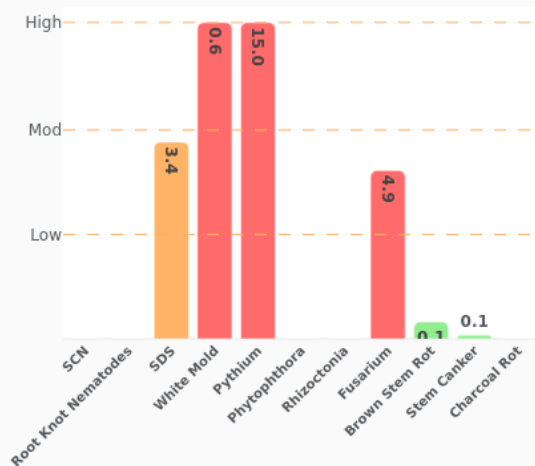
Micronutrients



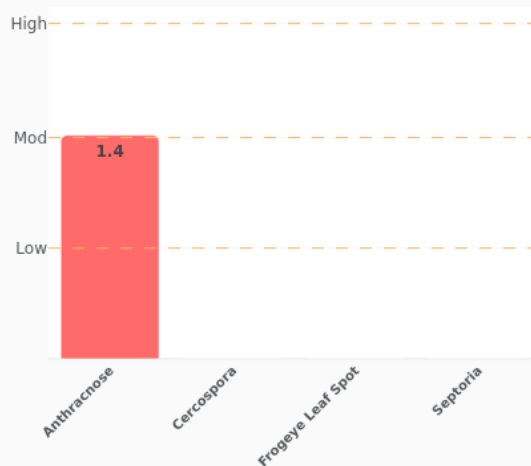
Biofertility Analytics



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 - Illinois South [ILSO]

All-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
AgVenture	AV38A1E	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	AV45B2E	E3	M	4.5	CMB-APX,IL
AgVenture	AV46C3E	E3	M	4.6	CMB-APX,IL
AgVenture	AV48B2E	E3	M	4.8	CMB-APX,IL
Apex	AE3550S	E3,ST	M	3.5	PU,Sa
Apex	AE3850	E3	M	3.8	PU,Sa
Apex	AE4150S	E3,ST	M	4.1	PU,Sa
Asgrow	AG39XF3	RXF	R	3.9	ACi,IL
Asgrow	AG43XF5	RXF	R	4.3	ACi
Asgrow	AG48XF3	RXF	R	4.8	ACi
Burrus	3578E	E3	M	3.5	BPS-SDS
Burrus	3908F	RXF	M	3.9	BPS-SDS
Burrus	4125F	RXF	M	4.1	BPS-SDS
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
Dyna-Gro	S38EN75	E3	M	3.8	PLTM
Dyna-Gro	S41XF65	RXF	M	4.1	PLTM
Fortus	3665E	E3	M	3.6	ACi,SU
Fortus	3815E	E3	M	3.8	ACi,SU
Fortus	4125ES	E3,ST	M	4.1	ACi,SU
FS HiSOY	HS 42F50	RXF	M	4.2	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 45E50	E3	M	4.5	ACi,SA
FS HiSOY	HS 46F50	RXF,ST	M	4.6	ACi,SA
FS HiSOY	HS 47E50	E3,ST	M	4.7	ACi,SA
FS HiSOY	HS 48E50	E3,ST	M	4.8	ACi,SA
FS HiSOY	HS 48F40	RXF	M	4.8	ACi,SA

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Great Heart	GT-3646E	E3	PK	3.6	Gr+
Great Heart	GT-3771E	E3	M	3.7	Gr+
Great Heart	GT-3968XF	RXF	M	3.9	Gr+
Great Heart	GT-3972E	E3	M	3.9	Gr+
Great Heart	GT-4148ES	E3,ST	M	4.1	Gr+
Great Heart	GT-4320ES	E3,ST	M	4.3	Gr+
NuTech	35N05E	E3	PK	3.5	Lum, LumT, IL
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
NuTech	45N12E	E3	M	4.5	Lum, LumT, IL
Pioneer	P40Z57E	E3	R	4.0	Lum, LumT, IL
Pioneer	P41Z16E	E3	R	4.1	Lum, LumT, IL
Pioneer	P43Z44SE	E3,ST	R	4.3	Lum,Lu,IL
Xitavo	XO 3555E	E3	M	3.5	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 4364E	E3	M	4.3	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	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ACi,SA	Acceleron® Standard Insecticide-Fungicide, Saltro®
ACi,SU	Acceleron® Standard Insecticide-Fungicide, StepUp
BPS-SDS	Burrus PowerShield® SDS
CMB-APX,IL	CruiserMaxx® APX with ILEVO®
CMB-APX,SA	CruiserMaxx® APX with Saltro®
Gr+	Great Start Max Plus (Great Heart Seed)
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Lum,Lu,Lud,IL	LumiGEN™, Luminesa, Lumiderm, ILeVO
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PLTM	DynaGro PLTM
PU,Sa	Protect Ultra, Saltro
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®

* Seed treatments may include unspecified plant health promoting components.