

Test by: Bottomline Seed Solutions, LLC Effingham, IL

2025 Soybeans Top 30 Harvest Report

Illinois South [ILSO] EFFINGHAM, IL


Bottomline Seed Solutions, LLC, Clint Tucker, Effingham County, IL 62401

All-Season Test	Maturity Group 3.5 - 4.8 S2025ILSO01
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Lexar, Aatrex, Callisto, Warrior II, Trivapro
SOIL DESCRIPTION:	Hoyleton-Darmstadt silt loam, moderately drained, non- irrigated
SOIL CONDITION:	6.77 pH, 2.3% OM, 2.77 CEC, medium P, low K, low S, low B, low Zn
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Prefix, Roundup, Liberty, Warrant, Select
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 24 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 4 113.9 /A
PEST & DISEASE RISK:	SDS, Phytophthora, Fusarium, White Mold, Stem Canker, Red Crown Rot*

TEST COMMENTS:

This conventional tillage location was planted in late May, with good emergence and good weed control. A dry June and August kept all the plant heights below normal, which resulted in no lodging from any of the varieties. The moistures and yields were very consistent. The full-season varieties took advantage of the September rains, which filled the top pods. The earlier varieties dropped the top pods, or simply put underdeveloped beans in the top pods. These are not bad yield results for what this location went through.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS HISOY	HS 48F40 ↗	RXF	4.8	M	80.8	18.6	0	141.0	796	1
Asgrow	AG48XF3 GC ↗	RXF	4.8	R	70.6	18.4	0	116.3	695	2
FS HiSOY	HS 42F50 ↗	RXF	4.2	M	65.1	12.0	0	116.5	641	3
Apex	AE3550S ↗	E3,ST	3.5	M	63.6	11.5	0	104.0	626	4
NuTech	39N08E ↗	E3	3.9	PK	62.4	12.2	0	108.7	615	5
FS HiSOY	HS 48E50 ↗	E3,ST	4.8	M	62.1	17.1	0	130.0	612	6
Pioneer	P40Z57E GC ↗	E3	4.0	R	61.6	11.2	0	125.3	607	7
Burrus	3578E ↗	E3	3.5	M	60.8	12.2	0	114.7	599	8
FS HiSOY	HS 44F30 ↗	RXF,ST	4.4	M	60.6	11.6	0	140.7	597	9
NuTech	41N04E ↗	E3	4.1	M	60.5	11.7	0	133.3	596	10
NuTech	35N05E ↗	E3	3.5	PK	60.4	12.3	0	119.3	595	11
AgVenture	AV46C3E ↗	E3	4.6	M	60.4	12.2	0	116.0	595	12
Pioneer	P41Z16E GC ↗	E3	4.1	R	59.9	11.3	0	111.3	590	13
Great Heart	GT-3646E ↗	E3	3.6	PK	59.5	12.4	0	117.7	586	14
AgVenture	AV48B2E ↗	E3	4.8	M	59.4	13.4	0	120.7	585	15
Xitavo	XO 3555E ↗	E3	3.5	M	59.4	12.1	0	131.7	585	16
Great Heart	GT-3968XF ↗	RXF	3.9	M	59.0	12.0	0	130.0	581	17
Apex	AE3850 ↗	E3	3.8	M	58.3	12.0	0	113.3	574	18
Great Heart	GT-3972E ↗	E3	3.9	M	58.2	12.3	0	142.7	573	19
Great Heart	GT-4148ES ↗	E3,ST	4.1	M	58.1	11.1	0	105.3	572	20
NuTech	36N06E ↗	E3	3.6	M	58.0	11.7	0	109.7	571	21
AgVenture	AV40C3E ↗	E3	4.0	M	58.0	11.8	0	121.0	571	22
NuTech	38N05E ↗	E3	3.8	M	57.8	12.1	0	87.0	569	23
AgVenture	AV39B2E ↗	E3	3.9	PK	57.8	12.5	0	97.3	569	24
Dyna-Gro	S38EN75 ↗	E3	3.8	M	57.7	12.0	0	100.7	568	25
Asgrow	AG43XF5 GC ↗	RXF	4.3	R	57.4	12.4	0	122.3	565	26
DONMARIO	DM40F45S ↗	RXF,ST	4.0	M	57.1	13.0	0	121.0	562	27
DONMARIO	DM37F85S ↗	RXF,ST	3.7	M	56.6	13.1	0	113.0	558	28
Fortus	4125ES ↗	E3,ST	4.1	M	56.5	11.1	0	128.7	557	29
Burrus	4125F ↗	RXF	4.1	M	56.4	12.1	0	108.7	556	30

 Clint Tucker klint@whatssmokin.net, (309) 712-1406	Averages =	56.9	12.4	113.9	561
	LSD (0.10) =	4.8	0.6	ns	
	LSD (0.25) =	2.5	0.3	ns	
	C.V. =	8.0			Historic yield: 61.94 bu/a, 6 yr(s)

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

Report Date: 10/05/2025

† 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.

Additional reports available at www.firstseedtests.com

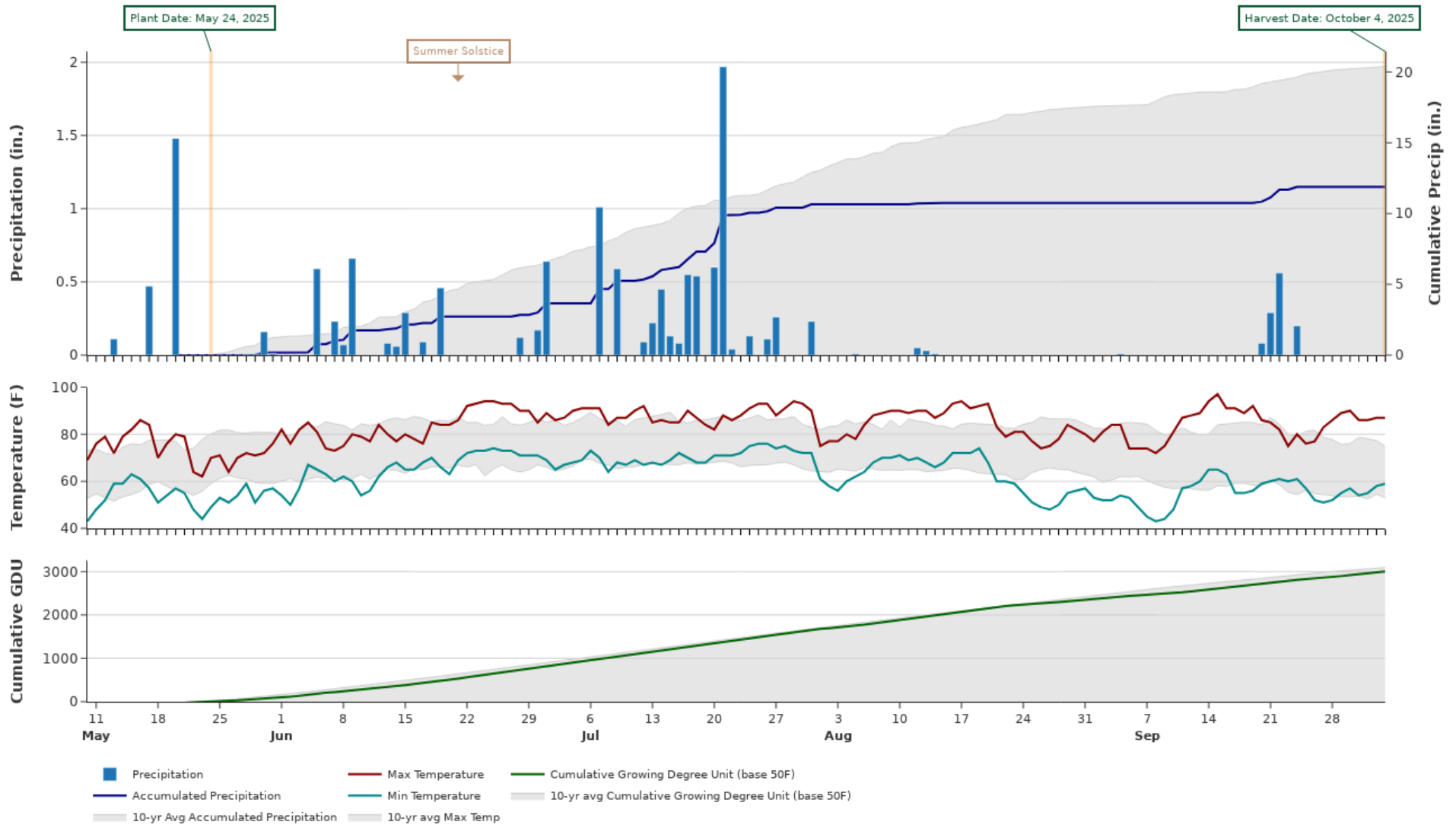
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2025 Soybeans - Illinois South [ILSO]

Weather Conditions Summary at EFFINGHAM, IL

Weather Data Retrieved: 10/05/2025

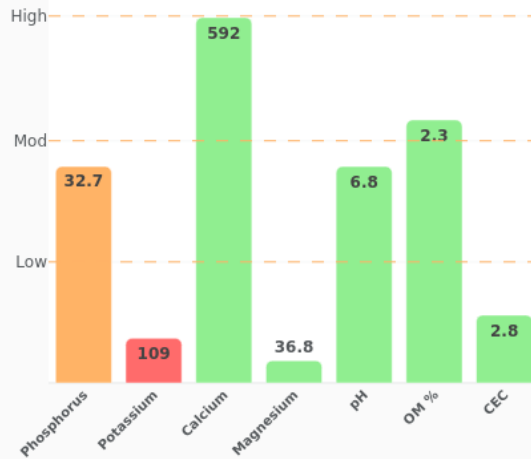
Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	2.2 3.4 (-1.1)	2.8 5.1 (-2.3)	7.6 6.6 (+1.1)	0.1 4.7 (-4.6)	1.1 2.7 (-1.5)	0.0 0.2 (-0.2)	13.9 22.5 (-8.6)
GDU Avg (Diff)	312 377 (-65)	706 721 (-15)	866 813 (+52)	696 754 (-58)	562 596 (-34)	85 61 (+23)	3227 3325 (-98)



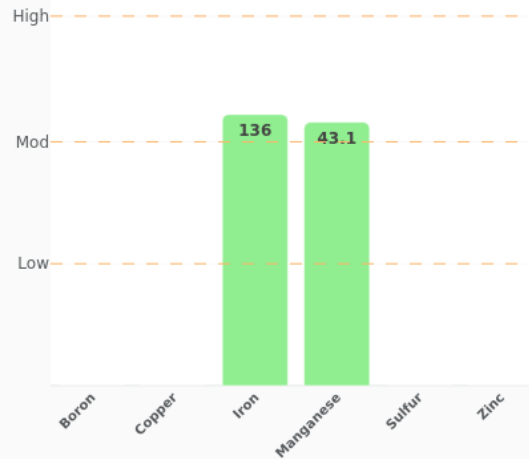
* First monthly total starts on the date 14 days prior to planting and final monthly total ends on the harvest date.

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.

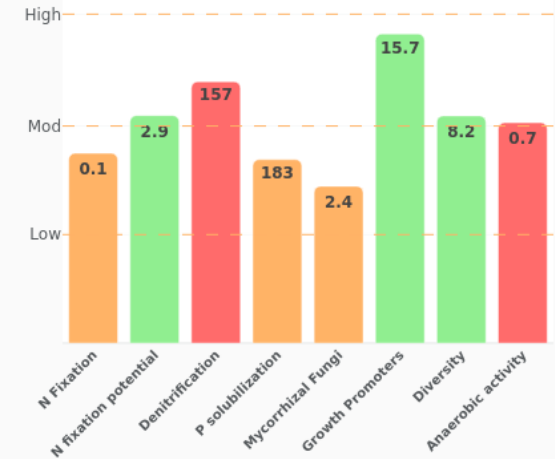
Macronutrients



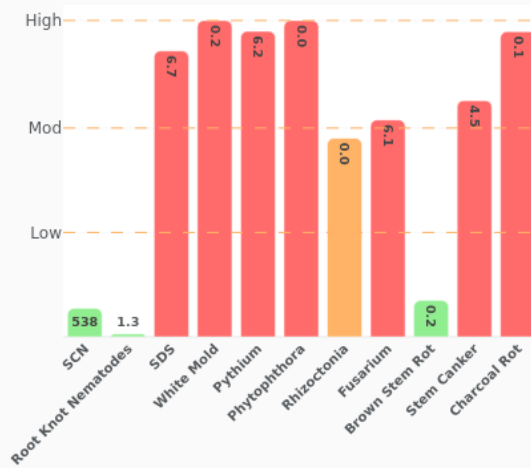
Micronutrients



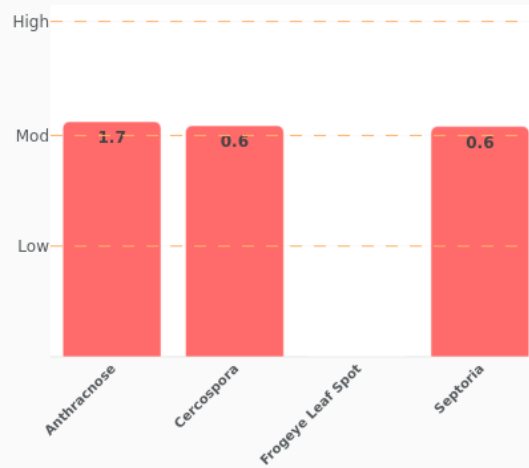
Biofertility Analytics



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, Salstro®
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 Salstro®
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, Salstro
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®

* Seed treatments may include unspecified plant health promoting components.