

Test by: Bottomline Seed Solutions, LLC Effingham, IL

## 2024 Soybeans Top 30 Harvest Report


Illinois South [ILSO] FLORA, IL  
Brandon Warren, Wayne County, IL

<b>All-Season Test</b>	Maturity Group <b>3.5 - 4.5</b> S2024ILSO02
<b>Top 30 of 59</b>	For Gross Income (Sorted by Yield) Average of (2) Replications
<b>PREV. CROP/HERB:</b>	Corn / Lexar, Accuron Gt
<b>SOIL DESCRIPTION:</b>	Wynoose silt loam, mod. poorly drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, high K, 5.3 pH, 2.9% OM, 12.9 CEC
<b>TILLAGE/CULTIVATION:</b>	No-Till
<b>PEST MANAGEMENT:</b>	Tendovo, Prefix, Miravis Top, Endigo
<b>FERTILITY - Applied N:</b>	27 Spring
<b>Applied N-P-K (units):</b>	27-69-90
<b>SEEDED - RATE - ROW:</b>	May 21 139.5 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 10 83.0 /A

### TEST COMMENTS:

*This no-till location was planted in mid-May in fairly heavy conditions. In-season rains were adequate for normal plant development. Plant heights were slightly above average. Not much lodging was observed. Yields were average for the area. One replicate was removed due to weed pressure in that area.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
AgVenture	AV43B2BE ↗	E3,ST	4.3	M	<b>76.0</b>	8.3	1	74.5	751	1
Pioneer	P42A84E § ↗	E3	4.2	R	<b>75.6</b>	7.7	1	93.0	747	2
AgVenture	AV44B2E ↗	E3	4.4	M	<b>75.4</b>	8.2	1	90.5	745	3
NuTech	43N06E ↗	E3	4.3	M	<b>72.9</b>	8.1	1	102.5	719	4
Apex	AE3950S ↗	E3,ST	3.9	M	<b>72.3</b>	8.8	1	102.5	713	5
FS HiSOY	HS 44F30 ↗	RXF,ST	4.4	M	<b>70.8</b>	8.0	1	72.0	700	6
AgVenture	AV38A1E ↗	E3	3.8	M	<b>70.5</b>	8.2	1	83.5	697	7
AgVenture	AV42A1E ↗	E3	4.2	M	<b>70.5</b>	9.8	1	95.5	697	8
Burrus	3767E ↗	E3	3.7	M	69.6	9.4	1	74.0	687	9
Golden Harvest	GH3655E3S ↗	E3,ST	3.6	M	69.1	8.6	1	98.0	682	10
Apex	AE4150S ↗	E3,ST	4.1	M	68.8	8.2	1	90.5	680	11
Fortus	4125ES ↗	E3,ST	4.1	M	68.3	8.6	1	74.0	675	12
Dyna-Gro	S41XF65 ↗	RXF	4.1	M	68.2	8.0	1	81.5	674	13
Golden Harvest	GH4093E3 § ↗	E3	4.0	M	68.0	8.1	1	74.5	672	14
Asgrow	AG36XF4 § ↗	RXF	3.6	R	67.4	8.8	1	81.5	666	15
NuTech	37N03E ↗	E3	3.7	M	67.3	7.8	1	100.0	665	16
NuTech	36N06E ↗	E3	3.6	M	67.1	8.2	1	88.5	663	17
Apex	AE3850 ↗	E3	3.8	M	66.3	10.0	1	100.0	655	18
FS HiSOY	HS 40E30 ↗	E3	4.0	M	66.0	8.4	1	88.5	652	19
Stine	42EG23 § ↗	E3	4.2	M	65.7	8.8	1	81.0	649	20
FS HiSOY	HS 38E20 ↗	E3,ST	3.8	M	65.6	9.3	1	81.0	647	21
Xitavo	XO 4255E ↗	E3,ST	4.2	M	64.7	9.4	1	86.0	639	22
Great Heart	GT-3972E ↗	E3	3.9	R	63.8	9.4	1	79.0	630	23
Golden Harvest	GH4433E3S § ↗	E3,ST	4.4	M	63.1	10.5	1	95.5	622	24
Pioneer	P44A91E § ↗	E3	4.4	MR	62.9	8.2	1	102.5	621	25
Golden Harvest	GH4214E3S ↗	E3,ST	4.2	M	62.7	9.3	1	86.0	619	26
FS HiSOY	HS 43E30 ↗	E3,ST	4.3	M	62.4	8.6	1	105.0	617	27
Burrus	3647F ↗	RXF	3.6	M	62.3	10.2	1	65.0	615	28
NuTech	39N08E ↗	E3	3.9	PK	62.0	10.6	1	79.0	613	29
NuTech	42N05E ↗	E3	4.2	M	61.8	8.1	1	95.5	611	30

	Averages =	<b>62.4</b>	<b>9.4</b>	<b>1</b>	<b>83.0</b>	<b>616</b>
	LSD (0.10) =	7.5	1.6	ns		
	LSD (0.25) =	3.9	0.9	ns		
	C.V. =	9.2				
					Historic yield: 54.99 bu/a, 10 yr(s)	

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.00 Prices: GMO = \$9.88

Report Date: Oct. 11, 2024

† 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 exceeded the grain moisture limit for this test. **ns** = column values not significantly different. ↗ Links to full product yield results at [www.firstseedtests.com](http://www.firstseedtests.com)

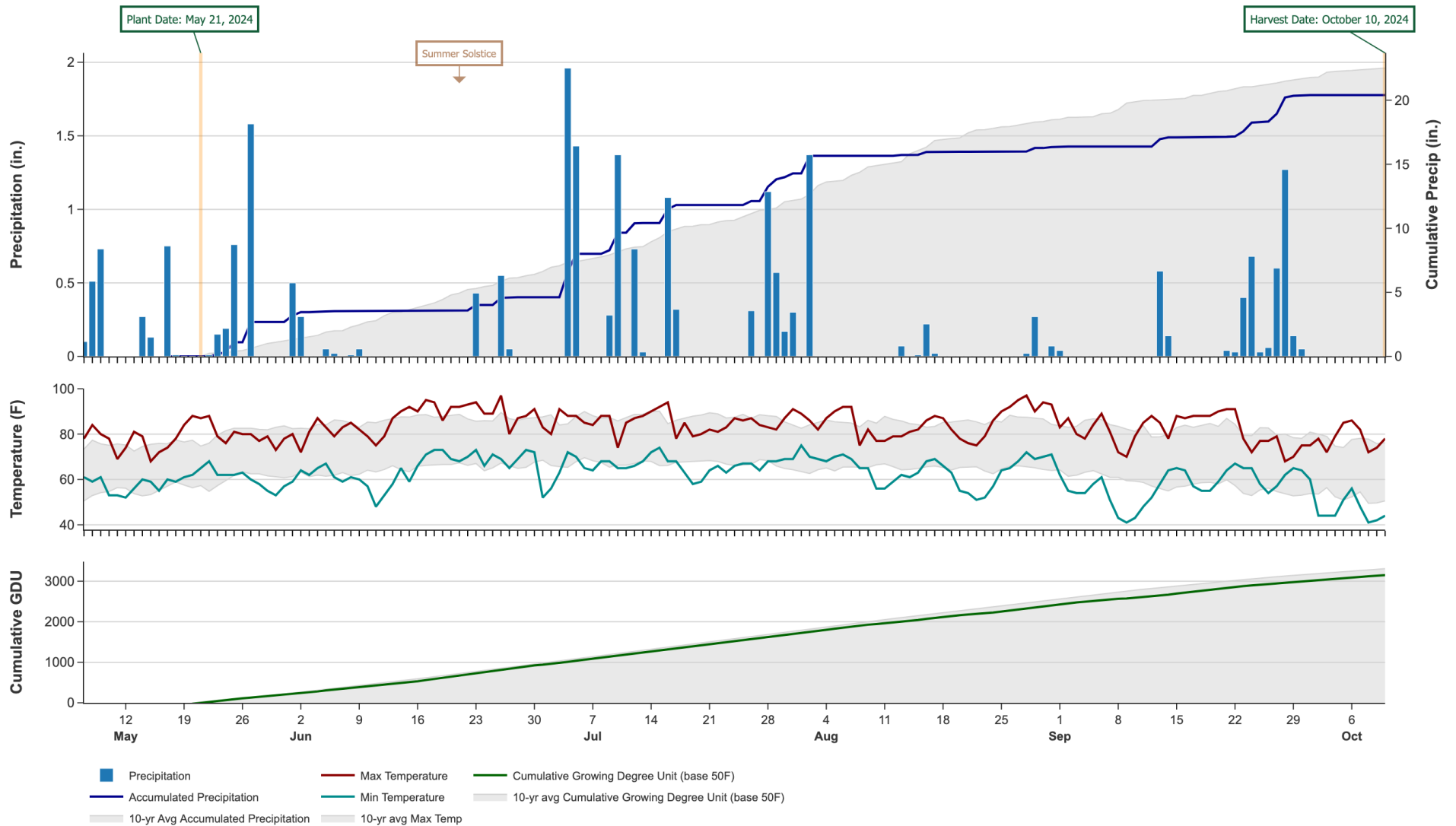
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# 2024 Soybeans - Illinois South [ ILSO ]

## Weather Conditions Summary at FLORA, IL

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   (Diff)	5.2   3.3 (+1.9)	1.9   5.2 (-3.3)	9.7   5.7 (+3.9)	2.0   6.3 (-4.3)	4.1   3.2 (+0.8)	0.0   0.8 (-0.8)	22.9   24.6 (-1.7)
GDU   Avg (Diff)	468   439 (+28)	727   747 (-20)	766   818 (-52)	730   775 (-45)	581   606 (-25)	149   149 (0)	3421   3536 (-115)



\* 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.

## 2024 Soybeans - Illinois South [ ILSO ]

### All-Season Test Products (59 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
AgVenture	AV38A1E	E3	M	3.8	Lum, LumT, IL
AgVenture	AV39B2E	E3	PK	3.9	Lum, LumT, IL
AgVenture	AV41Y5E	E3	M	4.1	Lum, LumT, IL
AgVenture	AV42A1E	E3	M	4.2	Lum, LumT, IL
AgVenture	AV43B2BE	E3,ST	M	4.3	Lum, LumT, IL
AgVenture	AV44B2E	E3	M	4.4	Lum, LumT, IL
Apex	AE3850	E3	M	3.8	PU
Apex	AE3950S	E3,ST	M	3.9	PU
Apex	AE4150S	E3,ST	M	4.1	PU
Asgrow	AG36XF4 §	RXF	R	3.6	ACi,IL
Asgrow	AG40XF1 §	RXF,ST	R	4.0	ACi,IL
Asgrow	AG44XF4 §	RXF,ST	R	4.4	ACi,IL
Burrus	3647F	RXF	M	3.6	BPS-SDS
Burrus	3767E	E3	M	3.7	BPS-SDS
Burrus	4134E	E3,ST	M	4.1	BPS-SDS
Burrus	4365E	E3,ST	M	4.3	BPS-SDS
DONMARIO	DM36E94	E3	M	3.6	F,I,B
DONMARIO	DM36F84S	RXF,ST	M	3.6	F,I,B
DONMARIO	DM38E54	E3	M	3.8	F,I,B
Dyna-Gro	S38EN75	E3	M	3.8	PLTM
Dyna-Gro	S41XF65	RXF	M	4.1	PLTM
Fortus	3665E	E3	M	3.6	AC, SU
Fortus	3815E	E3	M	3.8	AC, SU
Fortus	4125ES	E3,ST	M	4.1	AC, SU
Fortus	4335E	E3	M	4.3	AC, SU
FS HiSOY	HS 36F40	RXF	M	3.6	ACi,SA
FS HiSOY	HS 37E40	E3	M	3.7	ACi,SA
FS HiSOY	HS 38E20	E3,ST	M	3.8	F,I,NE
FS HiSOY	HS 38F20	RXF	M	3.8	F,I,NE
FS HiSOY	HS 40E30	E3	M	4.0	F,I,NE
FS HiSOY	HS 43E30	E3,ST	M	4.3	F,I,NE
FS HiSOY	HS 44E40	E3	M	4.4	F,I,NE
FS HiSOY	HS 44F30	RXF,ST	M	4.4	F,I,NE
Golden Harvest	GH3655E3S	E3,ST	M	3.6	CMB-APX,SA
Golden Harvest	GH3774E3 §	E3	M	3.7	CMB-APX,SA
Golden Harvest	GH4093E3 §	E3	M	4.0	CMB-APX,SA
Golden Harvest	GH4214E3S	E3,ST	M	4.2	CMB-APX,SA
Golden Harvest	GH4433E3S §	E3,ST	M	4.4	CMB-APX,SA
Great Heart	GT-3770E	E3	R	3.7	Gr+
Great Heart	GT-3972E	E3	R	3.9	Gr+
Great Heart	GT-4460XF	RXF	R	4.4	Gr+
NuTech	35N05E	E3	PK	3.5	Lum, LumT, IL

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
NuTech	36N06E	E3	M	3.6	Lum, LumT, IL
NuTech	37N03E	E3	M	3.7	Lum, LumT, IL
NuTech	38N05E	E3	M	3.8	Lum, LumT, IL
NuTech	39N08E	E3	PK	3.9	Lum, LumT, IL
NuTech	42N05E	E3	M	4.2	Lum, LumT, IL
NuTech	43N06E	E3	M	4.3	Lum, LumT, IL
NuTech	45N10E	E3	M	4.5	Lum, LumT, IL
Pioneer	P37A18E §	E3	MR	3.7	Lum,Lu
Pioneer	P42A84E §	E3	R	4.2	Lum, LumT, IL
Pioneer	P44A91E §	E3	MR	4.4	Lum, LumT, IL
Stine	35EG92 §	E3	M	3.5	TFX1,SA
Stine	37EG23 §	E3	M	3.7	TFX1,SA
Stine	42EG23 §	E3	M	4.2	TFX1,SA
Xitavo	XO 3655E	E3,ST	M	3.6	PV,IL,OB,Rey
Xitavo	XO 3705E	E3	M	3.7	PV,IL,OB,Rey
Xitavo	XO 3855E	E3,ST	M	3.8	PV,IL,OB,Rey
Xitavo	XO 4255E	E3,ST	M	4.2	PV,IL,OB,Rey

## Footnotes and Abbreviations Descriptions

### Brand Footnotes

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CK	Identifies a check product included in early- and full-season tests.
GC	Grower Comparison product included by FIRST when space permits.
§	United Soybean Board sponsored entry

### 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

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E3	Enlist E3®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

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### Soybeans Seed Treatments\*

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NA	Not Available
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ACi,SA	Acceleron® Standard Insecticide-Fungicide, Saltra®
AC, SU	Acceleron standard+ StepUp
BPS-SDS	Burrus PowerShield® SDS
CMB-APX,SA	CruiserMaxx® APX with Saltra®
F,I,B	Fungicide, Insecticide, Biological
F,I,NE	Fungicide, Insecticide, Nematicide
Gr+	Great Start Max Plus (Great Heart Seed)
Lum,Lu	LumiGEN™, Lumisena™
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PLTM	DynaGro PLTM
PU	Protect Ultra
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
TFX1,SA	Stine MyYield, Saltra

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\* Seed treatments may include unspecified plant health promoting components.