

Test by: Bottomline Seed Solutions, LLC Effingham, IL

2024 Soybeans Top 30 Harvest Report


Illinois South [ILSO] BELLEVILLE, IL
John Barttelbort, St.Clair County, IL 62221

All-Season Test	Maturity Group 3.5 - 4.5 S2024ILSO04
Top 30 of 59	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Accuron
SOIL DESCRIPTION:	Edwardsville silt loam, moderately drained, non- irrigated
SOIL CONDITION:	very high P, very high K, 5.6 pH, 3.0% OM, 13.9 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Liberty, Roundup, Select
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 7 139.5 /A 30" spacing
HARVESTED - STAND:	Oct 23 111.1 /A

TEST COMMENTS:

This conventional location was planted in early June. Warm wet conditions helped with good emergence. July rain helped with vegetative growth. Several varieties were very tall and many were lodged. Unfortunately, the lodging had a negative effect on yields. As at all other southern Illinois locations, a dry August and September took the top-end yields off of this location.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS HISOY	HS 44F30 ↗	RXF,ST	4.4	M	67.5	11.0	17	104.0	667	1
Golden Harvest	GH4433E3S § ↗	E3,ST	4.4	M	67.3	11.3	17	108.3	665	2
Stine	35EG92 § ↗	E3	3.5	M	66.4	12.1	3	109.5	655	3
Apex	AE3950S ↗	E3,ST	3.9	M	65.0	10.6	4	144.3	642	4
DONMARIO	DM38E54 ↗	E3	3.8	M	64.9	11.6	37	95.5	641	5
Burrus	4134E ↗	E3,ST	4.1	M	64.1	11.2	1	110.0	633	6
AgVenture	AV44B2E ↗	E3	4.4	M	63.3	12.8	28	105.3	625	7
FS HiSOY	HS 38F20 ↗	RXF	3.8	M	62.7	11.3	4	113.0	619	8
AgVenture	AV42A1E ↗	E3	4.2	M	62.4	11.9	25	111.7	617	9
AgVenture	AV38A1E ↗	E3	3.8	M	62.2	10.8	15	119.3	615	10
Fortus	3665E ↗	E3	3.6	M	61.9	11.7	1	117.7	612	11
FS HiSOY	HS 44E40 ↗	E3	4.4	M	61.7	12.8	26	104.0	610	12
Great Heart	GT-4460XF ↗	RXF	4.4	R	61.7	11.3	2	99.0	610	13
FS HISOY	HS 36F40 ↗	RXF	3.6	M	61.5	12.3	4	94.7	608	14
NuTech	45N10E ↗	E3	4.5	M	61.3	11.9	10	114.7	606	15
Golden Harvest	GH3655E3S ↗	E3,ST	3.6	M	61.1	11.7	22	124.0	604	16
Great Heart	GT-3770E ↗	E3	3.7	R	60.8	11.5	1	99.3	601	17
Asgrow	AG40XF1 § ↗	RXF,ST	4.0	R	60.7	11.8	31	107.0	600	18
Dyna-Gro	S41XF65 ↗	RXF	4.1	M	60.2	11.2	6	112.0	595	19
Stine	37EG23 § ↗	E3	3.7	M	60.2	11.3	1	107.0	595	20
Golden Harvest	GH4214E3S ↗	E3,ST	4.2	M	59.4	12.6	4	116.0	587	21
FS HiSOY	HS 43E30 ↗	E3,ST	4.3	M	59.4	12.7	54	127.0	587	22
Burrus	4365E ↗	E3,ST	4.3	M	59.3	11.6	55	102.3	586	23
Dyna-Gro	S38EN75 ↗	E3	3.8	M	59.1	11.1	1	117.7	584	24
Apex	AE3850 ↗	E3	3.8	M	59.1	11.4	1	114.7	584	25
NuTech	42N05E ↗	E3	4.2	M	58.9	11.5	7	105.7	582	26
Pioneer	P42A84E § ↗	E3	4.2	R	58.6	11.4	22	131.3	579	27
Fortus	4125ES ↗	E3,ST	4.1	M	58.2	11.9	1	125.0	575	28
Burrus	3647F ↗	RXF	3.6	M	58.1	12.8	30	88.3	574	29
Golden Harvest	GH4093E3 § ↗	E3	4.0	M	58.0	11.7	1	108.7	573	30

 Klint Tucker klint@whatssmokin.net, (309) 712-1406	Averages =	58.2	11.8	15	111.1	576
	LSD (0.10) =	5.6	0.9	20		
	LSD (0.25) =	3.0	0.5	11		
	C.V. =	9.2				Historic yield: 57.76 bu/a, 22 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$9.88

Report Date: 10/24/2024

† 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

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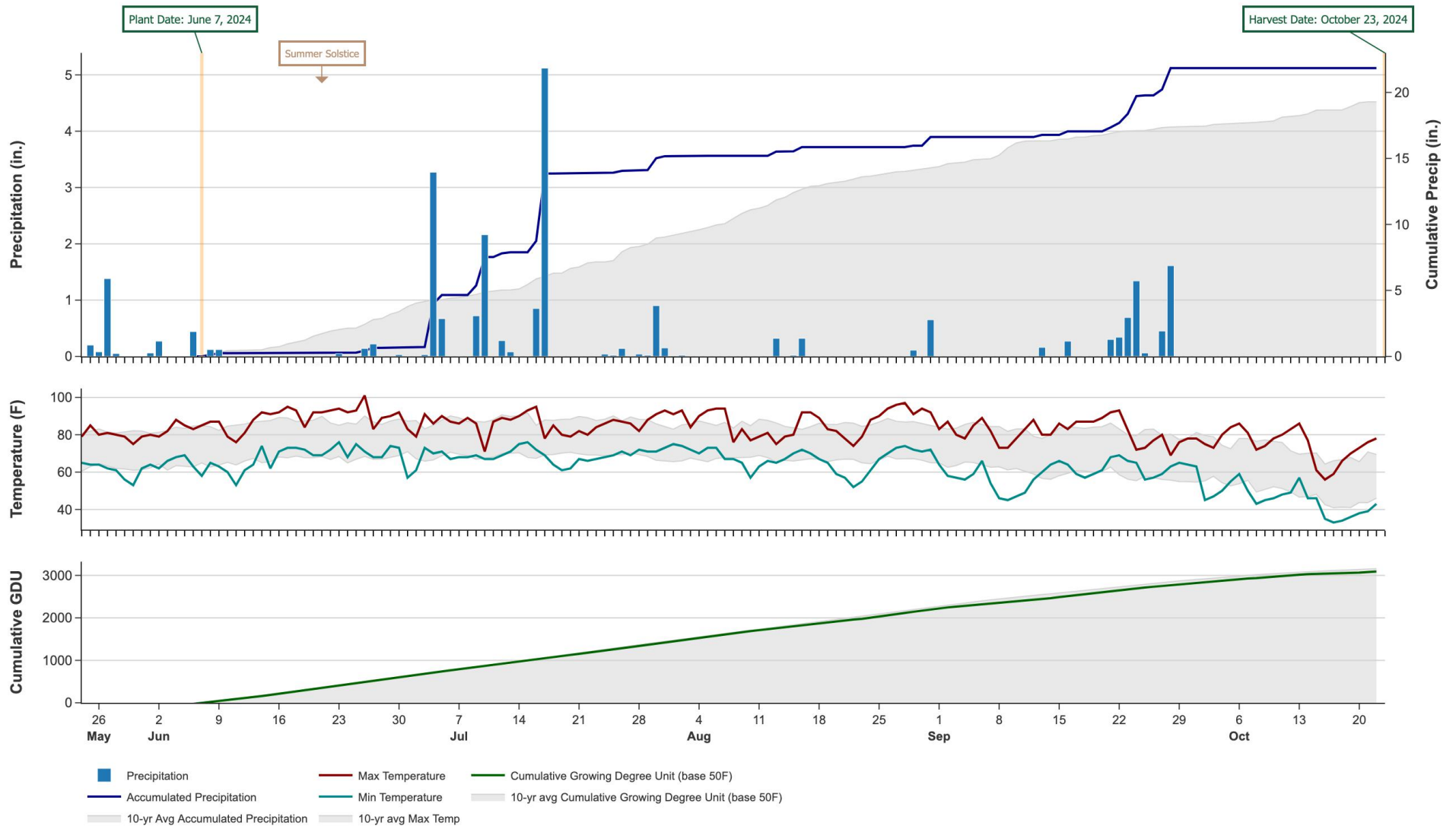
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2024 Soybeans - Illinois South [ILSO]

Weather Conditions Summary at BELLEVILLE, IL

Weather Data Retrieved: 10/24/2024

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	1.7 1.0 (+0.7)	1.4 3.9 (-2.4)	14.5 5.7 (+8.8)	1.4 5.3 (-3.8)	5.2 3.1 (+2.1)	0.0 1.9 (-1.9)	24.3 20.7 (+3.6)
GDU Avg (Diff)	162 175 (-13)	778 762 (+15)	812 845 (-33)	776 806 (-30)	609 634 (-25)	282 269 (+12)	3419 3494 (-75)



* 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

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

E3	Enlist E3®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ACi,SA	Acceleron® Standard Insecticide-Fungicide, Saltru®
AC, SU	Acceleron standard+ StepUp
BPS-SDS	Burrus PowerShield® SDS
CMB-APX,SA	CruiserMaxx® APX with Saltru®
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, Saltru

* Seed treatments may include unspecified plant health promoting components.