

Test by: Effingham, IL

## 2023 Soybeans Top 30 Harvest Report

Illinois South [ILSO] NASHVILLE, IL  
Dan Bartling, Washington County, IL

<b>All-Season Test</b>	Maturity Group <b>3.5 - 4.5</b> S2023ILSO03
<b>Top 30 of 70</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Soybeans / Roundup, 2 4-D, Valor, Accuron
<b>SOIL DESCRIPTION:</b>	Cisne/Hoyleton silt loam, mod. poorly drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, very high K, 6.8 pH, 1.8% OM, 7.6 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Liberty, Roundup, Anthem Max
<b>Applied N-P-K (units):</b>	0-0-120
<b>SEEDED - RATE - ROW:</b>	May 2 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 21 116.9 /A

### TEST COMMENTS:

*This conventional trial was planted into a perfect seedbed in early May. Emergence was good. Very little rain in June and July kept all plant heights below normal. Most varieties were below 30" in height, thus no lodging was seen throughout the test. Yields were what was to be expected in this tough growing season. It's amazing the little plants produced what they did. This is a very good trial to look at the varieties tested under very stressful conditions.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	GH4214E3S ↗	E3,ST	4.2	MR	<b>60.3</b>	13.0	1	108.3	754	1
Stine	40FD29 § ↗	RXF	4.0	R	<b>60.2</b>	13.3	1	116.5	751	2
AgriGold	G3804XF ↗	RXF,ST	3.8	R	<b>60.0</b>	13.7	1	128.0	750	3
Golden Harvest	GH4222XF ↗	RXF	4.2	R	<b>56.9</b>	13.1	1	142.7	711	4
Great Heart	GT-4005ES ↗	E3,ST	4.0	R	<b>56.2</b>	13.1	1	111.3	702	5
Dyna-Gro	S45ES10 ↗	E3,ST	4.5	R	54.7	13.1	1	127.0	684	6
Stone	2XF3954-SR ↗	RXF,ST	3.9	R	54.6	13.5	1	124.0	682	7
FS HiSOY	HS 43E30 ↗	E3,ST	4.3	R	53.8	14.0	1	114.7	672	8
NuTech	42N05E ↗	E3	4.2	R	53.7	13.3	1	110.0	671	9
AgVenture	AV 45Y8E ↗	E3	4.5	MR	53.5	13.3	1	101.0	669	10
Xitavo	XO 4522E ↗	E3	4.5	R	53.2	13.4	1	119.0	665	11
Golden Harvest	GH4433E3S ↗	E3,ST	4.4	MR	53.0	13.3	1	116.0	662	12
Channel	3823RXF GC ↗	RXF	3.8	MR	52.4	13.9	1	119.3	655	13
Xitavo	XO 4084E ↗	E3,ST	4.0	R	52.0	13.5	1	116.0	650	14
Asgrow	AG45XF3 GC ↗	RXF,ST	4.5	R	51.8	14.3	1	107.0	648	15
Pioneer	P44A91E GC ↗	E3	4.4	NA	51.3	13.1	1	111.7	641	16
NK Brand	NK37-C1E3 § ↗	E3	3.7	R	51.2	13.3	1	99.3	640	17
Pioneer	P46A09E GC ↗	E3	4.6	NA	51.1	13.1	1	128.7	639	18
Xitavo	XO 3922E ↗	E3	3.9	R	51.0	13.1	1	110.0	638	19
Burrus	3966E ↗	E3	3.9	R	50.9	13.5	1	114.3	636	20
NK Brand	NK42-A6E3S ↗	E3,ST	4.2	MR	50.9	13.7	1	121.0	636	21
Stine	38EG32 § ↗	E3	3.8	R	50.8	13.4	1	117.7	635	22
Stine	37FD02 § ↗	RXF	3.7	R	50.8	13.3	1	130.3	635	23
Xitavo	XO 3803E ↗	E3,ST	3.8	MR	50.8	13.7	1	113.3	635	24
Asgrow	AG43XF2 GC ↗	RXF	4.3	NA	50.7	13.5	1	133.3	634	25
FS HiSOY	HS 45E00 ↗	E3	4.5	R	50.6	13.5	1	111.7	632	26
NK Brand	NK39-J2E3 § ↗	E3	3.9	MR	50.6	13.4	1	119.3	632	27
Channel	4023RXF/SR GC ↗	RXF,ST	4.0	MR	50.5	13.3	1	108.3	631	28
NK Brand	NK44-Q5E3S ↗	E3,ST	4.4	R	50.4	13.5	1	124.0	630	29
AgVenture	AV 38A1E ↗	E3	3.8	MR	50.4	12.7	1	102.0	630	30



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Averages = **48.9** **13.3** **1** **116.9** **613**

LSD (0.10) = 6.3 ns ns

LSD (0.25) = 3.3 ns ns

C.V. = 12.1

Historic yield: 57.08 bu/a, 3 yr(s)

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.00 Prices: GMO = \$12.50

Report Date: 10/21/2023

† 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. ↗ Links to full product yield results at [www.firstseedtests.com](http://www.firstseedtests.com)

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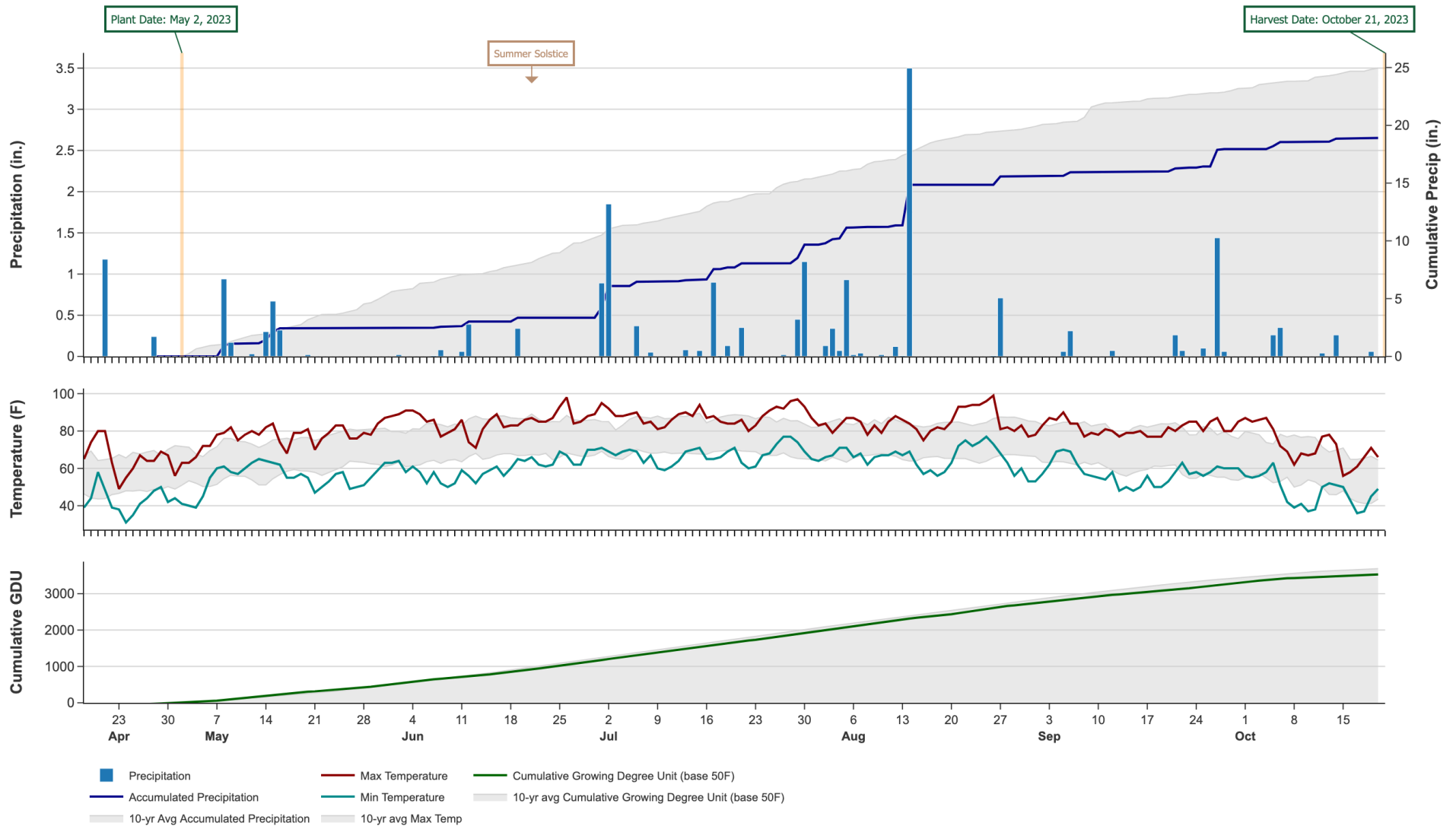
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# 2023 Soybeans - Illinois South [ ILSO ]

## Weather Conditions Summary at NASHVILLE, IL

Weather Data Retrieved: 10/21/2023

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   (Diff)	1.4   2.8 (-1.4)	2.5   5.5 (-3.1)	0.9   5.0 (-4.1)	6.3   5.1 (+1.2)	5.9   4.4 (+1.5)	2.4   3.4 (-1.0)	1.0   1.8 (-0.8)	20.3   28.0 (-7.7)
GDU   Avg (Diff)	100   112 (-12)	498   494 (+3)	660   746 (-86)	814   823 (-9)	754   776 (-22)	580   619 (-39)	234   247 (-13)	3640   3820 (-180)



\* 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.

## 2023 Soybeans - Illinois South [ ILSO ]

### All-Season Test Products (70 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
AgriGold	G3552XF	RXF,ST	R	3.5	ASfi,IL
AgriGold	G3804XF	RXF,ST	R	3.8	ASfi,SA
AgriGold	G4051E3	E3	R	4.0	ASfi,SA
AgriGold	G4393E3	E3,ST	R	4.3	ASfi,SA
AgriGold	G4430XF	RXF,ST	R	4.4	ASfi,SA
AgVenture	AV 38A1E	E3	MR	3.8	Lum,Lu,Lud,IL
AgVenture	AV 39Y3E	E3	MR	3.9	F,I,SA
AgVenture	AV 41Y5E	E3	MR	4.1	F,I,SA
AgVenture	AV 42A1E	E3	MR	4.2	Lum,Lu,Lud,IL
AgVenture	AV 45Y8E	E3	MR	4.5	Lum,Lu,IL
Asgrow	AG39XF3 §	RXF	R	3.9	ACi,IL
Asgrow	AG39XF3 GC	RXF	R	3.9	Untreated
Asgrow	AG40XF1 §	RXF,ST	R	4.0	ACi,IL
Asgrow	AG40XF4 §	RXF	R	4.0	ACi,IL
Asgrow	AG42XF1 GC	RXF	R	4.2	Untreated
Asgrow	AG43XF2 GC	RXF	NA	4.3	Untreated
Asgrow	AG45XF3 GC	RXF,ST	R	4.5	Untreated
Burrus	3886F	RXF	R	3.8	BPS-SDS
Burrus	3966E	E3	R	3.9	BPS-SDS
Channel	3823RXF GC	RXF	MR	3.8	ACi,IL
Channel	4023RXF/SR GC	RXF,ST	MR	4.0	ACi,IL
DONMARIO	DM36F84S	RXF,ST	R	3.6	CMB-APX,SA
DONMARIO	DM40E44	E3	R	4.0	CMB-APX,SA
Dyna-Gro	S41EN72	E3	R	4.1	EQV,Sa,Va
Dyna-Gro	S42XF93S	RXF,ST	MR	4.2	EQV,Sa,Va
Dyna-Gro	S45ES10	E3,ST	R	4.5	EQV,Sa,Va
FS HiSOY	HS 35F20	RXF	R	3.5	ACi,SA
FS HiSOY	HS 37E10	E3,ST	R	3.7	ACi,SA
FS HiSOY	HS 38F20	RXF	R	3.8	ACi,SA
FS HiSOY	HS 39F30	RXF	R	3.9	ACi,SA
FS HiSOY	HS 40E30	E3	R	4.0	ACi,SA
FS HiSOY	HS 41E20	E3	R	4.1	ACi,SA
FS HiSOY	HS 43E30	E3,ST	R	4.3	ACi,SA
FS HiSOY	HS 45E00	E3	R	4.5	ACi,SA
Golden Harvest	GH3994E3 §	E3	MR	3.9	CMB-APX,SA
Golden Harvest	GH4093E3	E3	R	4.0	CMB-APX,SA
Golden Harvest	GH4214E3S	E3,ST	MR	4.2	CMB-APX,SA
Golden Harvest	GH4222XF	RXF	R	4.2	CMB-APX,SA
Golden Harvest	GH4433E3S	E3,ST	MR	4.4	CMB-APX,SA
Great Heart	GT-3665E	E3	R	3.6	Gr+
Great Heart	GT-3894ES	E3,ST	R	3.8	Gr+
Great Heart	GT-4005ES	E3,ST	R	4.0	Gr+

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Great Heart	GT-4320ES	E3,ST	R	4.3	Gr+
NK Brand	NK37-C1E3 §	E3	R	3.7	CMB-APX,SA
NK Brand	NK39-J2E3 §	E3	MR	3.9	CMB-APX,SA
NK Brand	NK42-A6E3S	E3,ST	MR	4.2	CMB-APX,SA
NK Brand	NK44-Q5E3S	E3,ST	R	4.4	CMB-APX,SA
NuTech	36N04E	E3	R	3.6	Lum,Lu,IL
NuTech	37N03E	E3	R	3.7	Lum,Lu,IL
NuTech	39N07E	E3	R	3.9	Lum,Lu,IL
NuTech	42N05E	E3	R	4.2	Lum,Lu,IL
NuTech	45N09E	E3	R	4.5	Lum,Lu,IL
Pioneer	P37A18E §	E3	MR	3.7	Lum, LumT, IL
Pioneer	P38A28E GC	E3	MR	3.8	Untreated
Pioneer	P38A54E §	E3	NA	3.8	Lum, LumT, IL
Pioneer	P42A84E §	E3	R	4.2	Lum, LumT, IL
Pioneer	P44A91E GC	E3	NA	4.4	Lum, LumT, IL
Pioneer	P46A09E GC	E3	NA	4.6	Lum, LumT, IL
Stine	37FD02 §	RXF	R	3.7	ACi
Stine	38EG32 §	E3	R	3.8	ACi
Stine	40FD29 §	RXF	R	4.0	ACi
Stone	2XF3954-SR	RXF,ST	R	3.9	ACi,IL
Stone	2XF4533-SR	RXF,ST	R	4.5	ACi,IL
Xitavo	XO 3752E	E3,ST	R	3.7	PV,IL,OB,Rey
Xitavo	XO 3803E	E3,ST	MR	3.8	PV,IL,OB,Rey
Xitavo	XO 3922E	E3	R	3.9	PV,IL,OB,Rey
Xitavo	XO 4084E	E3,ST	R	4.0	PV,IL,OB,Rey
Xitavo	XO 4132E	E3	R	4.1	PV,IL,OB,Rey
Xitavo	XO 4364E	E3,ST	R	4.3	PV,IL,OB,Rey
Xitavo	XO 4522E	E3	R	4.5	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 Rating

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S	susceptible
MR	moderate resistance
R	resistant
n/a	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	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ACi,SA	Acceleron® Standard Insecticide-Fungicide, Saltro®
ASfi,IL	AgriShield F+I, ILeVO, inoculant
ASfi,SA	AgriShield Max with Saltro®
BPS-SDS	Burrus PowerShield® SDS
CMB-APX,SA	CruiserMaxx® APX with Saltro®
EQV,Sa,Va	Equity VIP, Saltro®, Vayantis®
F,I,SA	Fungicide, Insecticide, 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
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
Untreated	No seed treatment

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