

Test by: Agri Seed Research, LLC Louisburg, KS

## 2023 Soybeans Top 30 Harvest Report

Kansas East Central [KSEC] LOUISBURG, KS  
Les Stuteville, Miami County, KS 66013

<b>All-Season Test</b>	Maturity Group <b>3.7 - 4.7</b> S2023KSEC02
<b>Top 30 of 35</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Glyphosate, Mesotrione, Atrazine
<b>SOIL DESCRIPTION:</b>	Summit silty clay loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	medium P, low K, 6.7 pH, 4.0% OM, 19.1 CEC
<b>TILLAGE/CULTIVATION:</b>	Minimum W/O Fall Till
<b>PEST MANAGEMENT:</b>	Glyphosate, Sharpen, Authority Mtz, S-Metolachlor, Clethodim
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 4 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 23 134.0 /A

### TEST COMMENTS:

*This site was planted into a clean tilled seedbed. There was enough moisture present to get the soybeans to emerge. June was hot with just a couple of showers, then July brought some rain early in the month. The last half of August and all of September were extremely dry, and all varieties showed signs of drought stress. Plants were shorter than normal but standing well. The dry weather late in the growing season caused the plants to abort pods and some pods had undeveloped soybeans in them. Great weed control.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Hoegemeyer	4614 E ↗	E3	4.6	R	<b>38.8</b>	10.0	0	134.0	466	1
Xitavo	XO 4653E ↗	E3,ST	4.6	MR	<b>38.3</b>	10.3	0	132.3	460	2
Mustang	47E323 GC ↗	E3	4.7	R	<b>37.4</b>	9.1	0	130.7	449	3
Golden Harvest	GH4433E3S § ↗	E3,ST	4.4	MR	<b>37.3</b>	10.5	0	134.0	448	4
Golden Harvest	GH4343XFS ↗	RXF,ST	4.3	R	37.2	10.0	0	132.3	446	5
Mustang	41E324 ↗	E3	4.1	R	37.0	9.9	0	134.0	444	6
Xitavo	XO 4522E ↗	E3	4.5	R	36.8	10.0	0	135.7	442	7
Xitavo	XO 4772E ↗	E3	4.7	R	36.7	9.9	0	139.0	440	8
Mustang	39ES823 ↗	E3,ST	3.9	MR	36.6	10.0	0	134.0	439	9
NK Brand	NK43-Y9XFS § ↗	RXF,ST	4.3	R	36.5	9.2	0	135.7	438	10
Hoegemeyer	4234 E ↗	E3	4.2	R	36.3	9.4	0	137.3	436	11
Xitavo	XO 4132E ↗	E3	4.1	R	36.2	10.3	0	132.3	434	12
Mustang	4621XFS ↗	RXF,ST	4.6	MR	36.2	10.4	0	135.7	434	13
Asgrow	AG46XF2 § ↗	RXF,ST	4.6	R	36.1	10.6	0	132.3	433	14
Mustang	XF39123 ↗	RXF,ST	3.9	R	36.1	9.1	0	135.7	433	15
Pioneer	P44A91E § ↗	E3	4.4	NA	35.2	9.7	0	132.3	422	16
Genesis	G3880E ↗	E3	3.8	R	35.1	9.7	0	139.0	421	17
Lewis	4304XF ↗	RXF	4.3	R	34.7	9.7	0	135.7	416	18
Lewis	4703XF ↗	RXF	4.7	R	34.3	10.4	0	132.3	412	19
Genesis	G4080ES ↗	E3,ST	4.0	R	34.0	10.0	0	134.0	408	20
Pioneer	P42A84E GC ↗	E3	4.2	R	33.7	9.9	0	134.0	404	21
Asgrow	AG40XF1 § ↗	RXF,ST	4.0	R	33.7	9.9	0	137.3	404	22
Pioneer	P45A81E § ↗	E3	4.5	R	33.6	9.7	0	137.3	403	23
Golden Harvest	GH4663XFS ↗	RXF,ST	4.6	R	33.5	9.8	0	130.7	402	24
NK Brand	NK46-B4XFS § ↗	RXF,ST	4.6	R	33.4	10.1	0	135.7	401	25
Stine	38EG32 § ↗	E3	3.8	R	33.2	9.7	0	135.7	398	26
Hoegemeyer	3894 E ↗	E3	3.8	R	32.9	9.7	0	130.7	395	27
Asgrow	AG39XF3 § ↗	RXF	3.9	R	32.7	9.9	0	132.3	392	28
Stine	37FD02 § ↗	RXF	3.7	R	32.4	9.0	0	135.7	389	29
Golden Harvest	GH4222XF ↗	RXF	4.2	R	32.4	9.8	0	132.3	389	30

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Averages = **34.7** **9.8** **134.0** **417**

LSD (0.10) = 2.5 0.2 ns

LSD (0.25) = 1.3 0.1 ns

C.V. = 6.9 Historic yield: 51.77 bu/a, 9 yr(s)

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$12.00

Report Date: 10/26/2023

† 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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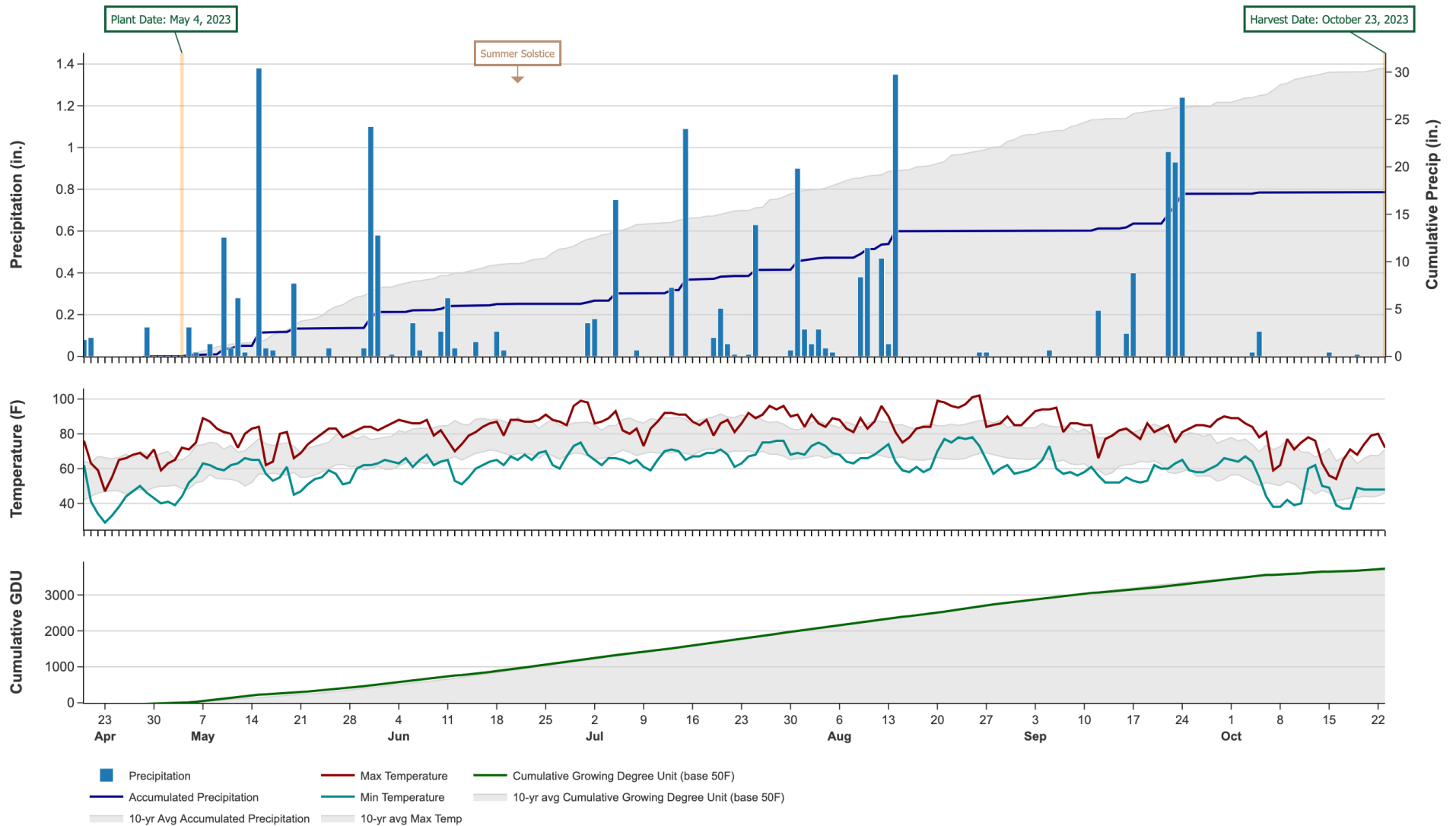
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# 2023 Soybeans - Kansas East Central [ KSEC ]

## Weather Conditions Summary at LOUISBURG, KS

Weather Data Retrieved: 10/26/2023

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   (Diff)	0.3   2.3 (-2.0)	4.1   7.5 (-3.4)	1.4   5.3 (-3.8)	4.5   5.3 (-0.8)	3.2   5.5 (-2.3)	3.9   3.9 (-0.0)	0.2   3.6 (-3.4)	17.6   33.5 (-15.8)
GDU   Avg (Diff)	78   91 (-13)	514   446 (+67)	711   753 (-42)	807   839 (-32)	802   806 (-4)	623   631 (-8)	302   248 (+53)	3837   3817 (+19)



\* 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 - Kansas East Central [ KSEC ]

### All-Season Test Products (35 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG39XF3 §	RXF	R	3.9	ACi,IL
Asgrow	AG40XF1 §	RXF,ST	R	4.0	ACi,IL
Asgrow	AG46XF2 §	RXF,ST	R	4.6	ACi,IL
Genesis	G3880E	E3	R	3.8	EcQ,NF,NH,SA
Genesis	G4080ES	E3,ST	R	4.0	EcQ,NF,NH,SA
Golden Harvest	GH4222XF	RXF	R	4.2	CMB-APX,SA
Golden Harvest	GH4343XFS	RXF,ST	R	4.3	CMB-APX,SA
Golden Harvest	GH4433E3S §	E3,ST	MR	4.4	CMB-APX,SA
Golden Harvest	GH4663XFS	RXF,ST	R	4.6	CMB-APX,SA
Hoegemeyer	3894 E	E3	R	3.8	Lum,Lu,IL
Hoegemeyer	4234 E	E3	R	4.2	Lum,Lu,IL
Hoegemeyer	4614 E	E3	R	4.6	Lum,Lu,IL
Lewis	4304XF	RXF	R	4.3	ACi,IL
Lewis	4703XF	RXF	R	4.7	ACi
Mustang	39ES823	E3,ST	MR	3.9	Edge-SST
Mustang	4122XFS	RXF,ST	MR	4.1	Edge-SST
Mustang	41E324	E3	R	4.1	Edge-SST
Mustang	4621XFS	RXF,ST	MR	4.6	Edge-SST
Mustang	47E323 GC	E3	R	4.7	Edge-SST
Mustang	XF39123	RXF,ST	R	3.9	Edge-SST
NK Brand	NK43-Y9XFS §	RXF,ST	R	4.3	CMB-APX,SA
NK Brand	NK46-B4XFS §	RXF,ST	R	4.6	CMB-APX,SA
Pioneer	P42A84E GC	E3	R	4.2	Lum, LumT, IL
Pioneer	P44A91E §	E3	NA	4.4	Lum, LumT, IL
Pioneer	P45A81E §	E3	R	4.5	Lum, LumT, IL
Pioneer	P46A09E §	E3	NA	4.6	Lum, LumT, IL
Stine	37EG23 §	E3	R	3.7	ACi
Stine	37FD02 §	RXF	R	3.7	ACi
Stine	38EG32 §	E3	R	3.8	ACi
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
Xitavo	XO 4653E	E3,ST	MR	4.6	PV,IL,OB,Rey
Xitavo	XO 4772E	E3	R	4.7	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
CMB-APX,SA	CruiserMaxx® APX with Saltro®
EcQ,NF,NH,SA	Eclipse US Total Quad-R, N-Force, N-Hibit, Saltro
Edge-SST	Cruiser®, Apron XL®, Maxim®, Dynasty®, Mertect®, Optimize®, Saltro® (Midland Genetics)
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®

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