

Test by: Agri Seed Research, LLC Louisburg, KS

## 2023 Soybeans Top 30 Harvest Report

Kansas East Central [KSEC] BUCYRUS, KS  
Bruce Betts, Johnson County, KS 66013

<b>All-Season Test</b>	Maturity Group <b>3.7 - 4.7</b> S2023KSEC03
<b>Top 30 of 35</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Glyphosate, Dual 2 Magnum
<b>SOIL DESCRIPTION:</b>	Bucyrus silty clay loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	high P, low K, 6.9 pH, 3.6% OM, 19.4 CEC
<b>TILLAGE/CULTIVATION:</b>	No-Till
<b>PEST MANAGEMENT:</b>	Glyphosate, Sharpen, Zone, Metribuzin, Liberty
<b>Applied N-P-K (units):</b>	0-30-25
<b>SEEDED - RATE - ROW:</b>	Jun 3 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 23 136.0 /A

### TEST COMMENTS:

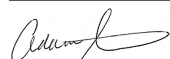
*This site was planted into a clean seedbed and emerged very uniform despite the dry weather. June was hot with very little rain, then early July brought a few showers. Late August and September were extremely dry with above average temperatures. In September you could see the drought stress throughout the whole plot. Plants were on the shorter side but standing well. You could find pods with undeveloped soybeans throughout the plot. Great weed control.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	GH4343XFS ↗	RXF,ST	4.3	R	<b>47.7</b>	9.6	0	134.0	572	1
Lewis	4703XF ↗	RXF	4.7	R	<b>47.2</b>	10.0	0	134.0	566	2
Lewis	4304XF ↗	RXF	4.3	R	<b>47.1</b>	9.1	0	139.0	565	3
Golden Harvest	GH4222XF ↗	RXF	4.2	R	<b>46.3</b>	9.4	0	135.7	556	4
Mustang	39ES823 ↗	E3,ST	3.9	MR	<b>45.8</b>	9.7	0	130.7	550	5
Asgrow	AG46XF2 § ↗	RXF,ST	4.6	R	<b>45.3</b>	10.0	0	142.3	544	6
Hoegemeyer	4234 E ↗	E3	4.2	R	<b>45.3</b>	9.3	0	135.7	544	7
NK Brand	NK43-Y9XFS § ↗	RXF,ST	4.3	R	<b>45.2</b>	9.2	0	135.7	542	8
Xitavo	XO 4364E ↗	E3,ST	4.3	R	44.5	9.1	0	132.3	534	9
Golden Harvest	GH4433E3S § ↗	E3,ST	4.4	MR	44.3	9.3	0	137.3	532	10
Xitavo	XO 4522E ↗	E3	4.5	R	44.3	9.6	0	134.0	532	11
Golden Harvest	GH4663XFS ↗	RXF,ST	4.6	R	44.3	10.1	0	140.7	532	12
Xitavo	XO 4084E ↗	E3,ST	4.0	R	44.0	9.1	0	137.3	528	13
Mustang	4621XFS ↗	RXF,ST	4.6	MR	43.0	10.0	0	139.0	516	14
Pioneer	P42A84E GC ↗	E3	4.2	R	42.8	9.7	0	137.3	514	15
Hoegemeyer	4614 E ↗	E3	4.6	R	42.7	9.9	0	137.3	512	16
Genesis	G4080ES ↗	E3,ST	4.0	R	42.0	9.2	0	135.7	504	17
Xitavo	XO 4653E ↗	E3,ST	4.6	MR	41.5	10.0	0	137.3	498	18
Mustang	XF39123 ↗	RXF,ST	3.9	R	41.0	9.5	0	134.0	492	19
Mustang	47E323 GC ↗	E3	4.7	R	41.0	10.2	0	134.0	492	20
Stine	37FD02 § ↗	RXF	3.7	R	40.9	9.1	0	137.3	491	21
Mustang	4122XFS ↗	RXF,ST	4.1	MR	40.7	9.3	0	137.3	488	22
Xitavo	XO 4772E ↗	E3	4.7	R	40.5	10.2	0	135.7	486	23
Stine	37EG23 § ↗	E3	3.7	R	40.3	9.5	0	134.0	484	24
Genesis	G3880E ↗	E3	3.8	R	39.7	9.6	0	139.0	476	25
Pioneer	P44A91E § ↗	E3	4.4	NA	39.4	9.3	0	135.7	473	26
Mustang	41E324 ↗	E3	4.1	R	38.9	9.1	0	137.3	467	27
Hoegemeyer	3894 E ↗	E3	3.8	R	38.6	9.1	0	135.7	463	28
NK Brand	NK46-B4XFS § ↗	RXF,ST	4.6	R	38.3	9.7	0	137.3	460	29
Pioneer	P45A81E § ↗	E3	4.5	R	38.2	9.6	0	132.3	458	30

Averages = **42.0** **9.5** **136.0** **504**

LSD (0.10) = 2.8 0.2 ns

LSD (0.25) = 1.5 0.1 ns



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C.V. = 6.2 Historic yield: 40.84 bu/a, 1 yr(s)

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.4 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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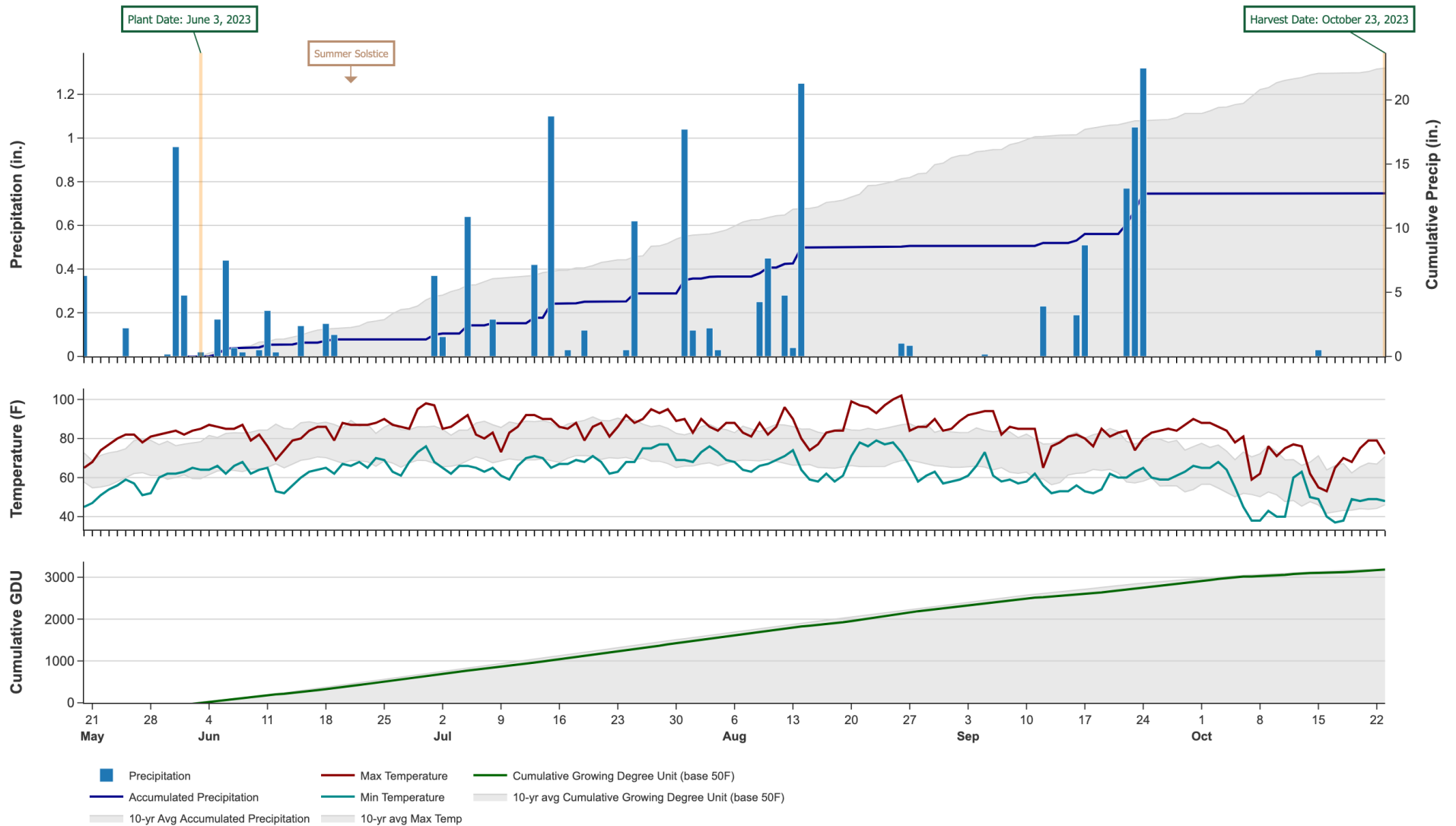
Additional reports available at [www.firstseedtests.com](http://www.firstseedtests.com)

# 2023 Soybeans - Kansas East Central [ KSEC ]

## Weather Conditions Summary at BUCYRUS, KS

Weather Data Retrieved: 10/26/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   (Diff)	1.5   3.9 (-2.4)	1.6   4.9 (-3.3)	4.6   5.0 (-0.3)	2.7   5.7 (-3.0)	4.1   3.9 (+0.2)	0.0   3.5 (-3.5)	14.5   26.9 (-12.4)
GDU   Avg (Diff)	200   205 (-5)	714   750 (-36)	809   838 (-29)	806   802 (+3)	625   624 (0)	302   244 (+57)	3456   3466 (-10)



\* 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.