

Test by: Agri Seed Research, LLC Louisburg, KS

2023 Soybeans Top 30 Harvest Report

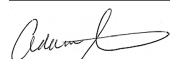
Kansas East Central [KSEC] BALDWIN CITY, KS
Luke Ulrich, Douglas County, KS 66006

All-Season Test	Maturity Group 3.7 - 4.7 S2023KSEC04
Top 30 of 35	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Atrazine, Acetochlor
SOIL DESCRIPTION:	Martin silty clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	medium P, low K, 6.4 pH, 4.2% OM, 20.4 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Glyphosate, Zone, Metribuzin, Metolachlor
FERTILITY - Applied N:	8 Spring
Applied N-P-K (units):	8-20-20
SEEDED - RATE - ROW:	May 29 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 21 135.2 /A

TEST COMMENTS:

This site was planted into a clean seedbed and emerged quickly due to the warm weather. May and June brought little rainfall with above-average temperatures. July brought a few showers, and late August and September were extremely dry. The plot showed signs of drought stress in September. Plants were average in height and standing well at harvest. Great weed control.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Xitavo	XO 4653E ↗	E3,ST	4.6	MR	41.7	9.1	0	135.7	500	1
Hoegemeyer	4614 E ↗	E3	4.6	R	40.6	8.9	0	137.3	487	2
Pioneer	P46A09E § ↗	E3	4.6	NA	40.2	8.9	0	134.0	482	3
Xitavo	XO 4522E ↗	E3	4.5	R	39.0	9.0	0	132.3	468	4
Mustang	39ES823 ↗	E3,ST	3.9	MR	38.9	9.5	0	137.3	467	5
Golden Harvest	GH4343XFS ↗	RXF,ST	4.3	R	38.6	9.3	0	132.3	463	6
Golden Harvest	GH4433E3S § ↗	E3,ST	4.4	MR	38.6	9.2	0	137.3	463	7
Mustang	XF39123 ↗	RXF,ST	3.9	R	38.5	9.4	0	140.7	462	8
Mustang	47E323 GC ↗	E3	4.7	R	37.5	8.9	0	137.3	450	9
Mustang	41E324 ↗	E3	4.1	R	37.4	9.0	0	130.7	449	10
Xitavo	XO 4772E ↗	E3	4.7	R	37.0	8.9	0	140.7	444	11
Xitavo	XO 4132E ↗	E3	4.1	R	36.7	8.9	0	134.0	440	12
Mustang	4621XFS ↗	RXF,ST	4.6	MR	36.7	9.1	0	135.7	440	13
Asgrow	AG46XF2 § ↗	RXF,ST	4.6	R	36.5	9.3	0	135.7	438	14
NK Brand	NK43-Y9XFS § ↗	RXF,ST	4.3	R	36.5	9.1	0	132.3	438	15
Hoegemeyer	4234 E ↗	E3	4.2	R	35.8	9.0	0	137.3	430	16
Asgrow	AG40XF1 § ↗	RXF,ST	4.0	R	35.8	9.0	0	132.3	430	17
Golden Harvest	GH4663XFS ↗	RXF,ST	4.6	R	35.6	8.9	0	134.0	427	18
Pioneer	P44A91E § ↗	E3	4.4	NA	35.4	9.2	0	132.3	425	19
Genesis	G3880E ↗	E3	3.8	R	35.3	9.2	0	132.3	424	20
Hoegemeyer	3894 E ↗	E3	3.8	R	35.3	9.0	0	135.7	424	21
Lewis	4304XF ↗	RXF	4.3	R	34.9	9.2	0	135.7	419	22
Lewis	4703XF ↗	RXF	4.7	R	34.8	9.0	0	135.7	418	23
NK Brand	NK46-B4XFS § ↗	RXF,ST	4.6	R	33.7	9.0	0	134.0	404	24
Stine	38EG32 § ↗	E3	3.8	R	33.4	8.9	0	139.0	401	25
Asgrow	AG39XF3 § ↗	RXF	3.9	R	33.3	9.1	0	134.0	400	26
Stine	37EG23 § ↗	E3	3.7	R	32.8	9.3	0	135.7	394	27
Pioneer	P45A81E § ↗	E3	4.5	R	32.8	8.8	0	135.7	394	28
Xitavo	XO 4364E ↗	E3,ST	4.3	R	32.6	9.0	0	134.0	391	29
Golden Harvest	GH4222XF ↗	RXF	4.2	R	32.6	9.0	0	137.3	391	30



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Averages = **35.5** **9.0** **135.2** **426**

LSD (0.10) = 2.8 0.2 ns

LSD (0.25) = 1.5 0.1 ns

C.V. = 7.5

Historic yield: 47.47 bu/a, 9 yr(s)

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

Report Date: 10/24/2023

† 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

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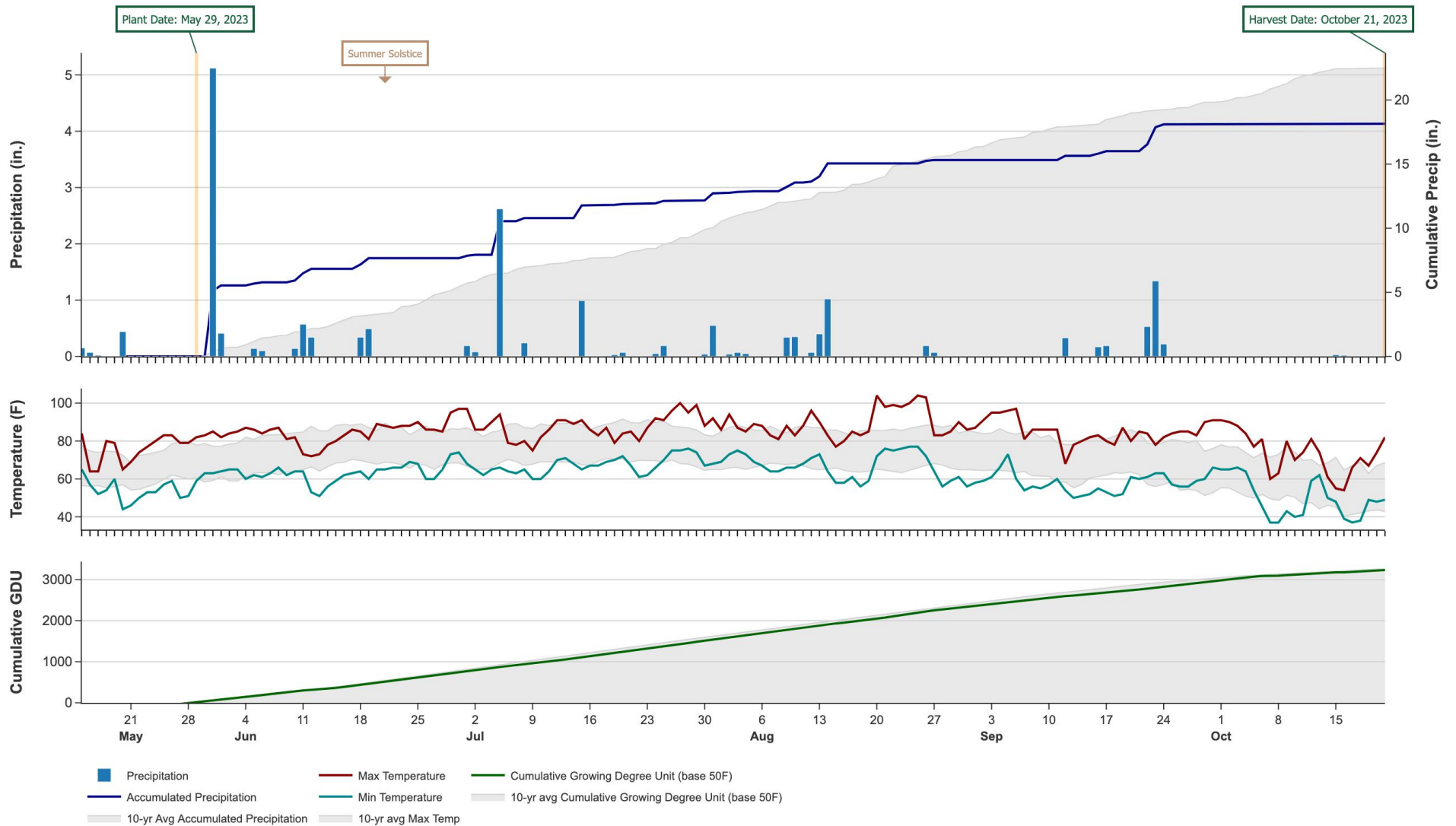
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2023 Soybeans - Kansas East Central [KSEC]

Weather Conditions Summary at BALDWIN CITY, KS

Weather Data Retrieved: 10/24/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	5.8 4.9 (+0.9)	2.5 5.1 (-2.5)	5.1 4.6 (+0.5)	2.6 6.0 (-3.4)	2.8 3.8 (-1.0)	0.1 2.7 (-2.6)	18.8 27.0 (-8.2)
GDU Avg (Diff)	278 281 (-3)	696 748 (-52)	796 834 (-38)	800 795 (+4)	616 621 (-5)	276 230 (+45)	3462 3510 (-48)



* 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

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

S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

Soybeans Technologies

E3	Enlist E3®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

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®

* Seed treatments may include unspecified plant health promoting components.