

Test by: Agri Seed Research, LLC Louisburg, KS

2023 Soybeans Top 30 Harvest Report

Kansas East Central [KSEC] LA CYGNE, KS
Brad Stainbrook, Linn County, KS 66040

All-Season Test	Maturity Group 3.7 - 4.7 S2023KSEC01
Top 30 of 35	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Fulltime Nxt, Glyphosate
SOIL DESCRIPTION:	Kenoma silt loam, well drained, non-irrigated
SOIL CONDITION:	high P, low K, 7.0 pH, 3.8% OM, 19.0 CEC
TILLAGE/CULTIVATION:	Minimum W/O Fall Till
PEST MANAGEMENT:	Glyphosate, 2,4-D(Burndown), Authoirty Mtz, Cobra
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 2 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 22 135.0 /A

TEST COMMENTS:

This site was planted into a clean seedbed with enough moisture to get germination started. The plot was uniform at V1. May and June were hot with very little rain. July brought a few showers. September was extremely dry. Plants were standing well at harvest with very little disease pressure. Most varieties had undeveloped soybeans in some of the pods. Great weed control.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Lewis	4703XF ↗	RXF	4.7	R	40.8	9.9	0	135.7	490	1
Hoegemeyer	4614 E ↗	E3	4.6	R	40.5	9.8	0	132.3	486	2
Golden Harvest	GH4663XFS ↗	RXF,ST	4.6	R	39.4	10.0	0	139.0	473	3
Pioneer	P42A84E GC ↗	E3	4.2	R	39.3	9.8	0	134.0	472	4
Xitavo	XO 4132E ↗	E3	4.1	R	38.7	9.8	0	135.7	464	5
Mustang	47E323 GC ↗	E3	4.7	R	38.6	9.9	0	132.3	463	6
Xitavo	XO 4772E ↗	E3	4.7	R	38.2	9.9	0	135.7	458	7
Genesis	G4080ES ↗	E3,ST	4.0	R	37.9	10.2	0	132.3	455	8
Asgrow	AG46XF2 § ↗	RXF,ST	4.6	R	37.7	9.0	0	135.7	452	9
Lewis	4304XF ↗	RXF	4.3	R	37.7	9.7	0	137.3	452	10
Xitavo	XO 4364E ↗	E3,ST	4.3	R	37.1	9.7	0	135.7	445	11
Xitavo	XO 4653E ↗	E3,ST	4.6	MR	37.1	10.1	0	137.3	445	12
Hoegemeyer	4234 E ↗	E3	4.2	R	36.6	10.0	0	139.0	439	13
Golden Harvest	GH4222XF ↗	RXF	4.2	R	36.5	10.3	0	135.7	438	14
Mustang	41E324 ↗	E3	4.1	R	36.0	10.3	0	137.3	432	15
NK Brand	NK46-B4XFS § ↗	RXF,ST	4.6	R	36.0	10.0	0	135.7	432	16
Xitavo	XO 4084E ↗	E3,ST	4.0	R	35.9	10.5	0	134.0	431	17
Mustang	4122XFS ↗	RXF,ST	4.1	MR	35.7	9.7	0	135.7	428	18
Stine	38EG32 § ↗	E3	3.8	R	35.0	9.9	0	137.3	420	19
Mustang	39ES823 ↗	E3,ST	3.9	MR	34.8	9.1	0	134.0	418	20
Golden Harvest	GH4433E3S § ↗	E3,ST	4.4	MR	34.4	10.0	0	132.3	413	21
Mustang	4621XFS ↗	RXF,ST	4.6	MR	34.3	10.0	0	134.0	412	22
Golden Harvest	GH4343XFS ↗	RXF,ST	4.3	R	34.1	9.3	0	132.3	409	23
NK Brand	NK43-Y9XFS § ↗	RXF,ST	4.3	R	33.4	10.3	0	132.3	401	24
Asgrow	AG39XF3 § ↗	RXF	3.9	R	33.4	9.9	0	134.0	401	25
Mustang	XF39123 ↗	RXF,ST	3.9	R	33.2	10.4	0	135.7	398	26
Pioneer	P46A09E § ↗	E3	4.6	NA	33.1	9.6	0	130.7	397	27
Xitavo	XO 4522E ↗	E3	4.5	R	33.0	10.0	0	134.0	396	28
Pioneer	P44A91E § ↗	E3	4.4	NA	32.5	9.7	0	134.0	390	29
Asgrow	AG40XF1 § ↗	RXF,ST	4.0	R	32.2	10.1	0	135.7	386	30

Adam Stuteville

adam.stuteville@firstseedtests.com, (913) 206-6080

Averages = **35.2** **9.8** **135.0** **422**

LSD (0.10) = 2.7 0.3 ns

LSD (0.25) = 1.4 0.2 ns

C.V. = 7.2

Historic yield: 42.33 bu/a, 10 yr(s)

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

Report Date: 10/25/2023

† 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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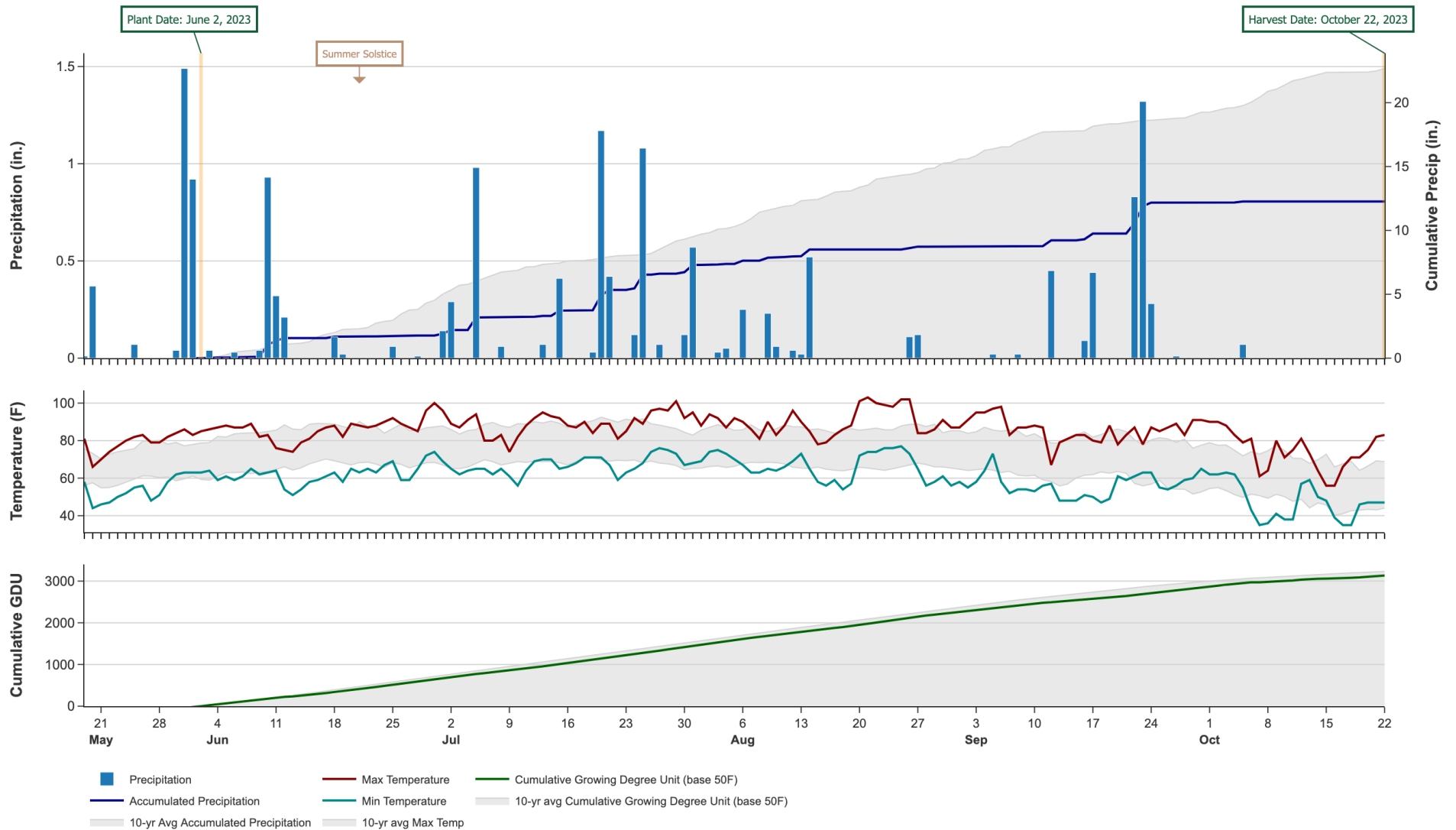
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2023 Soybeans - Kansas East Central [KSEC]

Weather Conditions Summary at LA CYGNE, KS

Weather Data Retrieved: 10/25/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	2.0 3.9 (-1.9)	2.7 5.0 (-2.3)	5.5 5.0 (+0.6)	1.4 5.8 (-4.4)	3.5 3.9 (-0.5)	0.1 3.4 (-3.4)	15.2 27.0 (-11.9)
GDU Avg (Diff)	214 224 (-10)	690 750 (-60)	800 834 (-34)	796 803 (-7)	602 632 (-30)	292 247 (+44)	3394 3493 (-99)



* 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.