

Test by: Agri Seed Research, LLC Louisburg, KS

2023 Soybeans Top 30 Harvest Report

Kansas Northeast [KSNE] HOLTON, KS

Dave Royer, Atchison County, KS

All-Season Test	Maturity Group 3.4 - 4.4 S2023KSNE06
Top 30 of 35	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Glyphosate, Atrazine, Mesotrione
SOIL DESCRIPTION:	Wabash silty clay, mod. poorly drained, non-irrigated
SOIL CONDITION:	medium P, low K, 6.6 pH, 4.2% OM, 20.4 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Glyphosate, Liberty, Prefix, Metolachlor
Applied N-P-K (units):	0-0-0
SEEDING - RATE - ROW:	May 23 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 21 134.3 /A

TEST COMMENTS:

This site was planted into a clean seedbed and had enough moisture for a very uniform emergence. May and June had above average temperatures with below-average rainfall. July brought some hit-and-miss showers. August was hot. Plants were average in height and standing well at harvest. 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
Mustang	39ES823 ↗	E3,ST	3.9	MR	50.2	9.8	0	135.7	602	1
Stine	37FD02 § ↗	RXF	3.7	R	49.9	10.3	0	137.3	599	2
Golden Harvest	GH3724XFS § ↗	RXF,ST	3.7	MR	49.7	9.6	0	134.0	596	3
Mustang	XF39123 ↗	RXF,ST	3.9	R	48.9	9.5	0	135.7	587	4
Golden Harvest	GH4222XF ↗	RXF	4.2	R	48.8	9.4	0	134.0	586	5
Stine	38EG32 § ↗	E3	3.8	R	48.7	9.7	0	135.7	584	6
Xitavo	XO 4084E ↗	E3,ST	4.0	R	48.5	9.8	0	135.7	582	7
Golden Harvest	GH4343XFS ↗	RXF,ST	4.3	R	48.0	9.8	0	134.0	576	8
Xitavo	XO 4364E ↗	E3,ST	4.3	R	47.8	10.1	0	134.0	574	9
Lewis	4211XF ↗	RXF,ST	4.2	R	47.5	9.8	0	130.7	570	10
NK Brand	NK39-M8XF ↗	RXF	3.9	R	46.6	9.7	0	134.0	559	11
Mustang	41E324 ↗	E3	4.1	R	46.3	10.0	0	134.0	556	12
Hoegemeyer	3894 E ↗	E3	3.8	R	45.9	9.4	0	134.0	551	13
Stine	40FD29 § ↗	RXF	4.0	R	45.7	9.9	0	135.7	548	14
Genesis	G4080ES ↗	E3,ST	4.0	R	45.6	9.8	0	132.3	547	15
Xitavo	XO 3483E ↗	E3	3.4	MR	45.6	10.0	0	134.0	547	16
Mustang	4260E3S ↗	E3,ST	4.2	MR	45.5	9.8	0	129.0	546	17
Pioneer	P40A23E § ↗	E3	4.0	NA	45.5	9.5	0	137.3	546	18
Mustang	4122XFS ↗	RXF,ST	4.1	MR	45.4	9.8	0	132.3	545	19
Asgrow	AG44XF4 § ↗	RXF,ST	4.4	R	45.4	9.9	0	137.3	545	20
Mustang	XF38623 ↗	RXF,ST	3.8	MR	45.3	9.8	0	134.0	544	21
Golden Harvest	GH4214E3S § ↗	E3,ST	4.2	MR	44.7	9.7	0	135.7	536	22
Asgrow	AG39XF3 § ↗	RXF	3.9	R	44.3	9.8	0	134.0	532	23
Pioneer	P38A54E § ↗	E3	3.8	NA	44.3	9.9	0	132.3	532	24
Hoegemeyer	3544 E ↗	E3	3.5	R	44.2	9.8	0	139.0	530	25
Pioneer	P42A84E § ↗	E3	4.2	R	44.1	9.9	0	134.0	529	26
Lewis	3834XF ↗	RXF	3.8	R	44.0	9.9	0	134.0	528	27
Xitavo	XO 3752E ↗	E3,ST	3.7	R	44.0	10.1	0	130.7	528	28
NK Brand	NK37-B7XFS § ↗	RXF,ST	3.7	MR	43.9	10.0	0	134.0	527	29
Asgrow	AG40XF1 § ↗	RXF,ST	4.0	R	43.6	10.1	0	134.0	523	30

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Averages = **45.7** **9.8** **134.3** **548**

LSD (0.10) = 2.6 ns ns

LSD (0.25) = 1.4 ns ns

C.V. = 5.4

Historic yield: 48.66 bu/a, 11 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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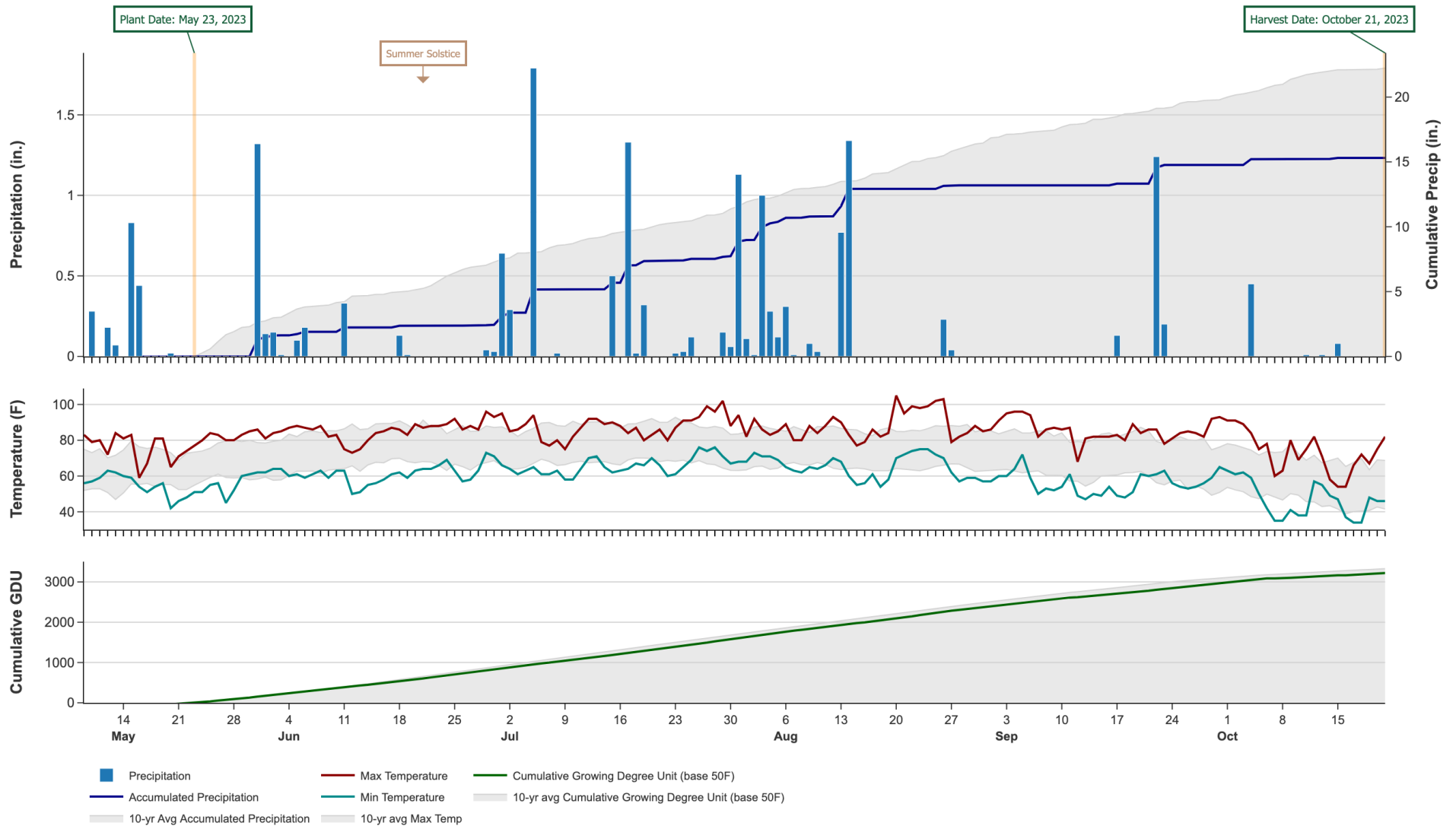
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2023 Soybeans - Kansas Northeast [KSNE]

Weather Conditions Summary at HOLTON, KS

Weather Data Retrieved: 10/24/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	3.1 5.8 (-2.6)	1.1 4.6 (-3.5)	6.4 4.3 (+2.1)	4.3 4.9 (-0.5)	1.6 3.4 (-1.8)	0.6 2.4 (-1.9)	17.1 25.4 (-8.2)
GDU Avg (Diff)	388 353 (+34)	680 743 (-63)	773 817 (-44)	763 778 (-15)	598 611 (-13)	252 228 (+23)	3454 3533 (-79)



* 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 Northeast [KSNE]

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	AG44XF4 §	RXF,ST	R	4.4	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	GH3724XFS §	RXF,ST	MR	3.7	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	GH4343XFS	RXF,ST	R	4.3	CMB-APX,SA
Hoegemeyer	3544 E	E3	R	3.5	Lum, LumT, IL
Hoegemeyer	3894 E	E3	R	3.8	Lum,Lu,IL
Hoegemeyer	4234 E	E3	R	4.2	Lum,Lu,IL
Lewis	3834XF	RXF	R	3.8	ACi,IL
Lewis	4211XF	RXF,ST	R	4.2	ACi,IL
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	4260E3S	E3,ST	MR	4.2	Edge-SST
Mustang	XF38623	RXF,ST	MR	3.8	Edge-SST
Mustang	XF39123	RXF,ST	R	3.9	Edge-SST
NK Brand	NK37-B7XFS §	RXF,ST	MR	3.7	CMB-APX,SA
NK Brand	NK39-M8XF	RXF	R	3.9	CMB-APX,SA
Pioneer	P38A54E §	E3	NA	3.8	Lum, LumT, IL
Pioneer	P40A23E §	E3	NA	4.0	Lum, LumT, IL
Pioneer	P42A84E §	E3	R	4.2	Lum, LumT, IL
Renk	RS353NXF	RXF	R	3.5	Treated
Stine	37FD02 §	RXF	R	3.7	ACi
Stine	38EG32 §	E3	R	3.8	ACi
Stine	40FD29 §	RXF	R	4.0	ACi
Xitavo	XO 3483E	E3	MR	3.4	PV,IL,OB,Rey
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 3861E	E3,ST	R	3.8	PV,IL,OB,Rey
Xitavo	XO 4084E	E3,ST	R	4.0	PV,IL,OB,Rey
Xitavo	XO 4364E	E3,ST	R	4.3	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®/Motivo®, ILeVO, Obvius Plus, Relenya®
Treated	Treated, unspecified

* Seed treatments may include unspecified plant health promoting components.