

Test by: Agri Seed Research, LLC Louisburg, KS

2023 Soybeans Top 30 Harvest Report

Kansas Northeast [KSNE] VERMILLION, KS
Jack Boyle, Marshall County, KS 66544

All-Season Test	Maturity Group 3.4 - 4.4 S2023KSNE05
Top 30 of 35	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Authority, Sencor
SOIL DESCRIPTION:	Kennebec silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	medium P, low K, 6.7 pH, 3.9% OM, 19.3 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Glyphosate, 2,4-D (Burndown), Authority Mtz, Liberty
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 24 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 19 139.0 /A

TEST COMMENTS:

This site was planted into a clean seedbed with just enough moisture to get germination started. May and June had above-average temperatures and below-average rainfall. July brought a few spotty showers. Plants were taller than expected and standing well at harvest. Some pods had undeveloped soybeans in them that blew out the back of the combine 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
Genesis	G3880E ↗	E3	3.8	R	52.4	9.7	0	142.3	629	1
NK Brand	NK37-B7XFS § ↗	RXF,ST	3.7	MR	52.1	9.5	0	142.3	625	2
Xitavo	XO 3752E ↗	E3,ST	3.7	R	51.9	9.7	0	140.7	623	3
Xitavo	XO 3483E ↗	E3	3.4	MR	50.9	9.5	0	140.7	611	4
Mustang	XF39123 ↗	RXF,ST	3.9	R	50.5	9.8	0	139.0	606	5
Mustang	XF38623 ↗	RXF,ST	3.8	MR	50.1	9.7	0	142.3	601	6
Genesis	G4080ES ↗	E3,ST	4.0	R	49.3	10.5	0	140.7	592	7
Mustang	4260E3S ↗	E3,ST	4.2	MR	48.1	10.1	0	139.0	577	8
Golden Harvest	GH4214E3S § ↗	E3,ST	4.2	MR	48.1	10.2	0	140.7	577	9
Mustang	4122XFS ↗	RXF,ST	4.1	MR	47.9	10.0	0	134.0	575	10
Hoegemeyer	4234 E ↗	E3	4.2	R	47.8	10.0	0	137.3	574	11
Pioneer	P40A23E § ↗	E3	4.0	NA	47.7	9.6	0	140.7	572	12
Hoegemeyer	3894 E ↗	E3	3.8	R	47.6	10.0	0	137.3	571	13
Pioneer	P42A84E § ↗	E3	4.2	R	47.4	10.1	0	139.0	569	14
Renk	RS353NXF ↗	RXF	3.5	R	47.2	9.6	0	139.0	566	15
Lewis	4211XF ↗	RXF,ST	4.2	R	47.0	10.1	0	140.7	564	16
Hoegemeyer	3544 E ↗	E3	3.5	R	46.6	9.3	0	137.3	559	17
Xitavo	XO 3803E ↗	E3,ST	3.8	MR	46.5	9.6	0	137.3	558	18
Xitavo	XO 4084E ↗	E3,ST	4.0	R	46.4	9.9	0	135.7	557	19
Golden Harvest	GH3724XFS § ↗	RXF,ST	3.7	MR	46.4	9.5	0	135.7	557	20
Pioneer	P38A54E § ↗	E3	3.8	NA	46.3	9.5	0	137.3	556	21
Stine	40FD29 § ↗	RXF	4.0	R	46.1	10.1	0	139.0	553	22
Xitavo	XO 3861E ↗	E3,ST	3.8	R	46.1	9.8	0	137.3	553	23
Mustang	39ES823 ↗	E3,ST	3.9	MR	46.0	9.8	0	140.7	552	24
NK Brand	NK39-M8XF ↗	RXF	3.9	R	45.6	9.9	0	140.7	547	25
Golden Harvest	GH4222XF ↗	RXF	4.2	R	45.5	10.0	0	142.3	546	26
Mustang	41E324 ↗	E3	4.1	R	45.2	10.3	0	140.7	542	27
Lewis	3834XF ↗	RXF	3.8	R	44.5	9.6	0	137.3	534	28
Stine	38EG32 § ↗	E3	3.8	R	44.5	9.8	0	137.3	534	29
Golden Harvest	GH4343XFS ↗	RXF,ST	4.3	R	44.2	10.0	0	142.3	530	30



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Averages = **46.9** **9.8** **139.0** **563**

LSD (0.10) = 2.8 0.2 ns

LSD (0.25) = 1.5 0.1 ns

C.V. = 5.7

Historic yield: 51.7 bu/a, 10 yr(s)

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

Report Date: 10/19/2023

† 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

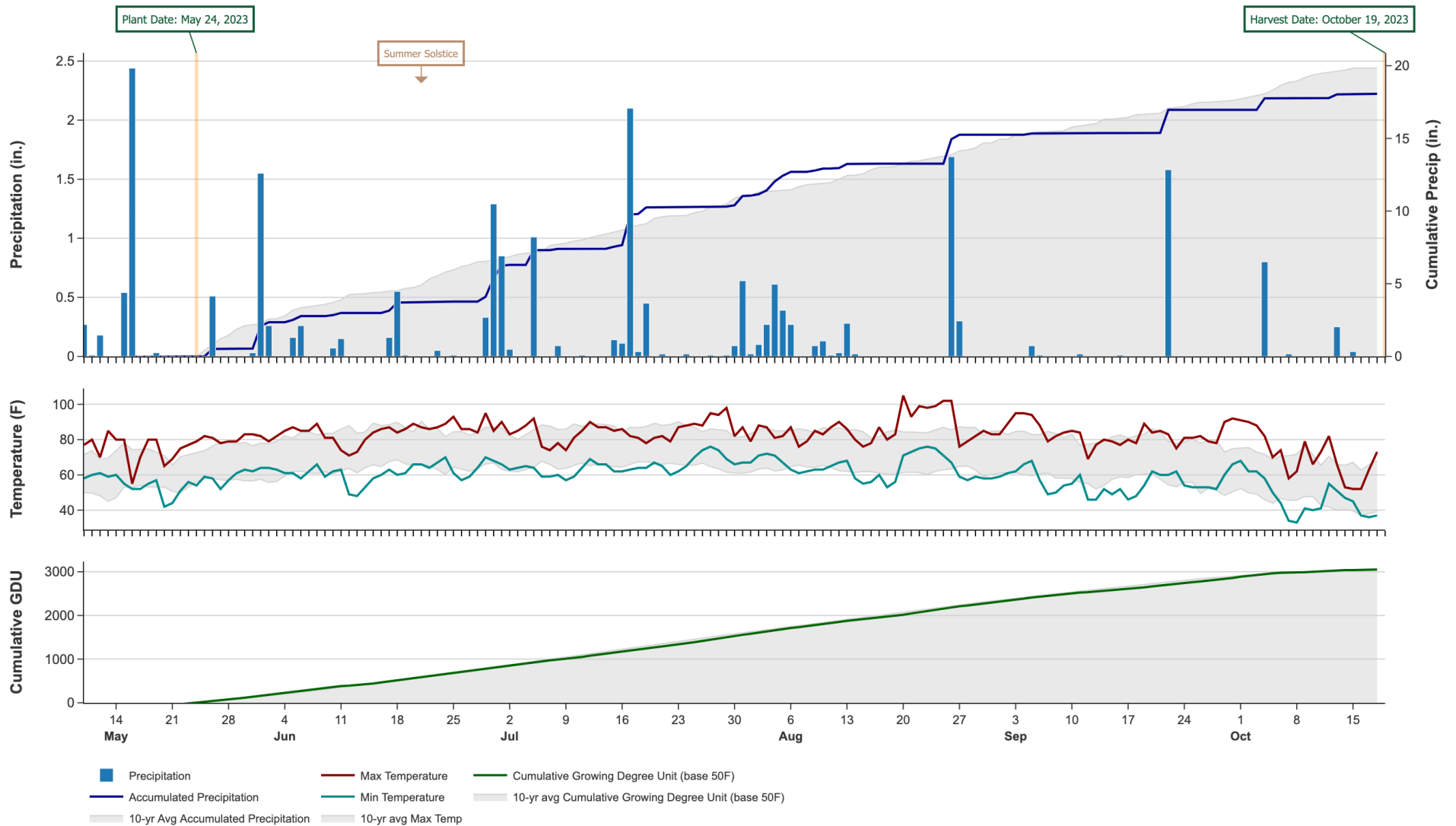
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2023 Soybeans - Kansas Northeast [KSNE]

Weather Conditions Summary at VERMILLION, KS

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	4.0 4.5 (-0.5)	4.8 4.4 (+0.4)	5.7 4.4 (+1.2)	4.2 3.6 (+0.6)	1.7 2.9 (-1.2)	1.1 2.2 (-1.1)	21.5 22.1 (-0.6)
GDU Avg (Diff)	364 301 (+62)	674 702 (-28)	744 774 (-30)	734 734 (0)	569 565 (+3)	191 172 (+18)	3276 3251 (+24)



* 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.

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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®/Votivo®, ILeVO, Obvius Plus, Relenya®
Treated	Treated, unspecified

* Seed treatments may include unspecified plant health promoting components.