

Test by: Agri Seed Research, LLC Louisburg, KS

2024 Soybeans Top 30 Harvest Report

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

All-Season Test	Maturity Group 3.7 - 4.7 S2024KSEC03
Top 25 of 25	For Gross Income (Sorted by Yield) Average of (2) Replications
PREV. CROP/HERB:	Corn / Dergree Xtra, Glyphosate
SOIL DESCRIPTION:	Bucyrus silty clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	very high P, medium K, 6.9 pH, 3.5% OM, 19.4 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Glyphosate, 2,4-D(Burndown), Authority Supreme, Metric, S- Metolachlor, Aproach Prima, Firestone
Applied N-P-K (units):	0-30-30
SEEDED - RATE - ROW:	Jun 13 145.0 /A 30" spacing
HARVESTED - STAND:	Oct 8 135.3 /A

TEST COMMENTS:

This site was planted into a clean tilled seedbed. Warm soil temperatures brought quick emergence. June, July, and early August brought timely rains. The last three weeks of August and September were very hot and dry. On most days plants showed signs of drought stress in the afternoon heat. Plants were standing great at harvest with very little disease pressure seen due to the dry weather. Great weed control. One replicate was dropped due to higher yield variability there.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Genesis	G4080ES ↗	E3,ST	4.0	R	52.9	10.0	0	131.5	513	1
Golden Harvest	GH4214E3S § ↗	E3,ST	4.2	M	51.7	10.4	0	134.0	501	2
Mustang	41E324 GC ↗	E3	4.1	M	50.8	10.0	0	136.5	493	3
Asgrow	AG42XF4 § ↗	RXF,ST	4.2	R	50.3	9.7	0	134.0	488	4
Asgrow	AG39XF3 § ↗	RXF	3.9	R	49.5	9.4	0	136.5	480	5
Mustang	47E323 ↗	E3	4.7	M	49.0	10.0	0	139.0	475	6
Xitavo	XO 4132E ↗	E3	4.1	M	48.1	10.1	0	131.5	466	7
Pioneer	P45A81E § ↗	E3	4.5	R	48.0	9.8	0	134.0	466	8
Stine	37EG23 § ↗	E3	3.7	M	47.7	10.0	0	134.0	463	9
Pioneer	P45Z75E § ↗	E3	4.5	NA	47.0	9.4	0	134.0	456	10
Hoegemeyer	3825 E ↗	E3	3.8	M	46.8	10.1	0	136.5	454	11
Stine	42EG23 § ↗	E3	4.2	M	46.7	9.8	0	134.0	452	12
Asgrow	AG40XF1 § ↗	RXF,ST	4.0	R	46.6	9.6	0	136.5	452	13
Pioneer	P47Z15BE § ↗	E3,ST	4.7	NA	46.4	9.9	0	134.0	450	14
Mustang	XFS46825 ↗	RXF,ST	4.6	M	46.2	9.9	0	139.0	448	15
Xitavo	XO 3855E ↗	E3,ST	3.8	M	46.0	10.1	0	136.5	446	16
Mustang	XFS47225 ↗	RXF,ST	4.7	M	45.8	10.0	0	134.0	444	17
Genesis	G3890E § ↗	E3	3.8	M	44.9	10.0	0	136.5	436	18
Xitavo	XO 4255E ↗	E3,ST	4.2	M	44.5	9.9	0	136.5	432	19
Hoegemeyer	4355 BE ↗	E3,ST	4.3	M	44.5	10.3	0	136.5	432	20
Hoegemeyer	4525 E ↗	E3	4.5	M	44.3	10.0	0	136.5	430	21
Stine	46EG92 § ↗	E3	4.6	M	43.5	10.6	0	134.0	422	22
Xitavo	XO 4405E ↗	E3	4.4	M	43.4	10.1	0	136.5	421	23
Mustang	42E225 GC ↗	E3	4.2	M	43.4	10.2	0	136.5	421	24
Golden Harvest	GH4433E3S § ↗	E3,ST	4.4	M	43.0	9.9	0	134.0	417	25



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Averages = **46.8** **9.9** **135.3** **454**

LSD (0.10) = 3.0 ns ns

LSD (0.25) = 1.5 ns ns

C.V. = 4.8

Historic yield: 49.98 bu/a, 10 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$9.70

Report Date: 10/09/2024

Additional reports available at www.firstseedtests.com

† 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

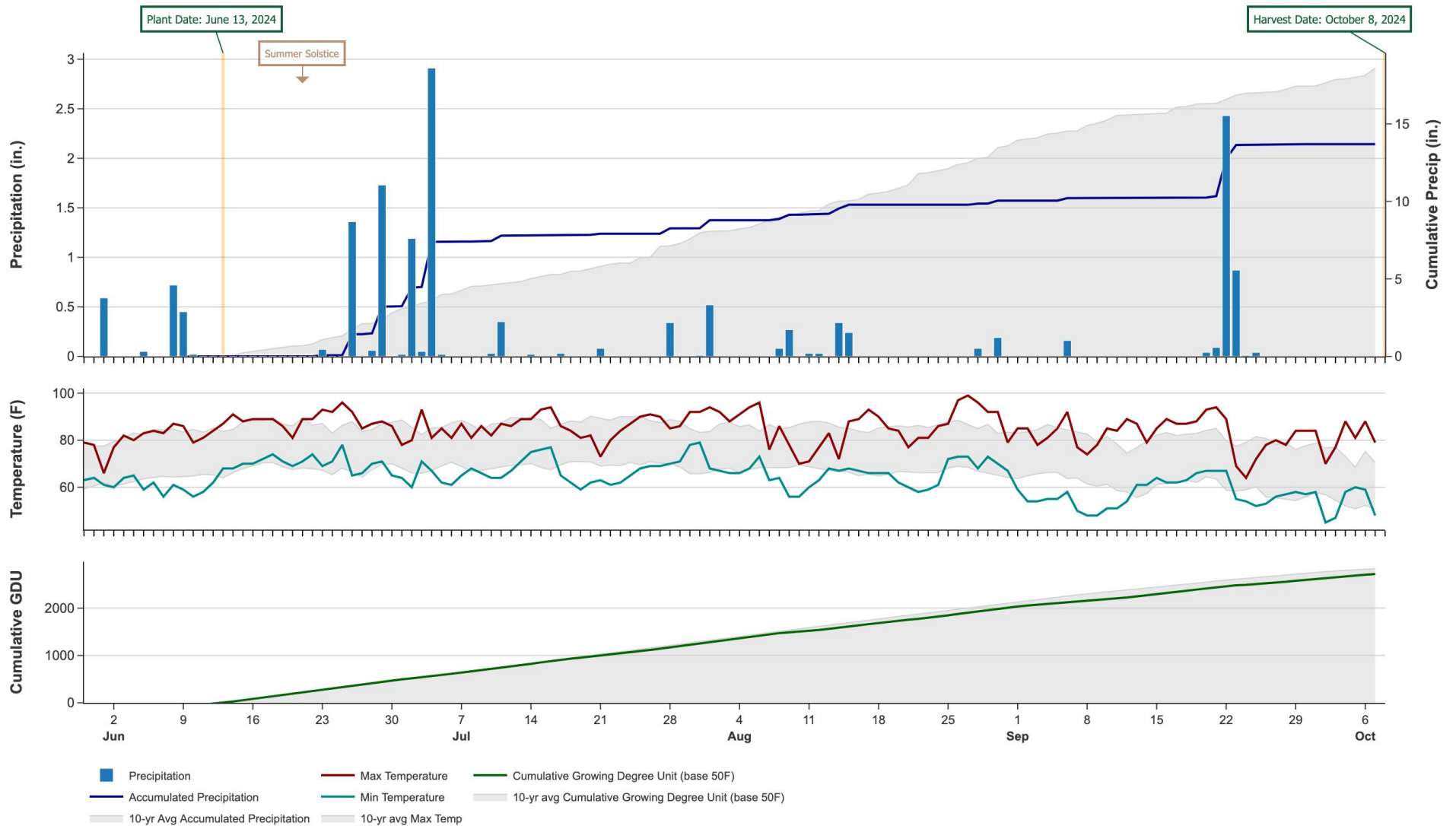
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2024 Soybeans - Kansas East Central [KSEC]

Weather Conditions Summary at STILWELL, KS

Weather Data Retrieved: 10/09/2024

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	0.0 0.3 (-0.3)	5.0 4.5 (+0.5)	5.0 5.2 (-0.1)	1.8 5.6 (-3.8)	3.6 3.9 (-0.2)	0.0 1.2 (-1.2)	15.5 20.7 (-5.1)
GDU Avg (Diff)	42 38 (+3)	749 756 (-7)	790 843 (-53)	748 810 (-62)	584 626 (-42)	124 97 (+26)	3037 3172 (-135)



* 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.

2024 Soybeans - Kansas East Central [KSEC]

All-Season Test Products (25 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	AG42XF4 §	RXF,ST	R	4.2	ACi,IL
Genesis	G3890E §	E3	M	3.8	EcTC,SA
Genesis	G4080ES	E3,ST	R	4.0	EcTC,SA
Golden Harvest	GH4214E3S §	E3,ST	M	4.2	CMB-APX,SA
Golden Harvest	GH4433E3S §	E3,ST	M	4.4	CMB-APX,SA
Hoegemeyer	3825 E	E3	M	3.8	Lum, LumT, IL
Hoegemeyer	4355 BE	E3,ST	M	4.3	Lum, LumT, IL
Hoegemeyer	4525 E	E3	M	4.5	Lum, LumT, IL
Mustang	41E324 GC	E3	M	4.1	CMB-APX,SA
Mustang	42E225 GC	E3	M	4.2	CMB-APX,SA
Mustang	47E323	E3	M	4.7	CMB-APX,SA
Mustang	XFS46825	RXF,ST	M	4.6	CMB-APX,SA
Mustang	XFS47225	RXF,ST	M	4.7	CMB-APX,SA
Pioneer	P45A81E §	E3	R	4.5	Lum, LumT, IL
Pioneer	P45Z75E §	E3	NA	4.5	Lum, LumT, IL
Pioneer	P47Z15BE §	E3,ST	NA	4.7	Lum, LumT, IL
Stine	37EG23 §	E3	M	3.7	TFX1,SA
Stine	42EG23 §	E3	M	4.2	TFX1,SA
Stine	46EG92 §	E3	M	4.6	TFX1,SA
Xitavo	XO 3855E	E3,ST	M	3.8	PV,IL,OB,Rey
Xitavo	XO 4132E	E3	M	4.1	PV,IL,OB,Rey
Xitavo	XO 4255E	E3,ST	M	4.2	PV,IL,OB,Rey
Xitavo	XO 4405E	E3	M	4.4	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 Source or Rating

Note: Source of SCN resistance used when available, otherwise older susceptibility ratings are reported.

M	PI 88788 (MR)
PK	Peking (R)
H	Hartwig (R)
B	Blend (PK + M)
MR	moderate resistance
R	resistant
S	susceptible
NA	info unavailable

Soybeans Technologies

E3	Enlist E3®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
CMB-APX,SA	CruiserMaxx® APX with Saltro®
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Saltro®
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
TFX1,SA	Stine MyYield, Saltro

* Seed treatments may include unspecified plant health promoting components.