

Test by: Agri Seed Research, LLC Louisburg, KS

2022 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 S2022KSEC03
Top 30 of 37	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / NA
SOIL DESCRIPTION:	Grundy silty clay loam, moderately drained, non- irrigated
SOIL CONDITION:	medium P, low K, 7.2 pH, 3.9% OM, 18.0 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Glyphosate, Sharpen, Sencor, Panther Sc
Applied N-P-K (units):	0-40-40
SEDED - RATE - ROW:	Jun 18 145.0 /A 30" spacing
HARVESTED - STAND:	Oct 22 135.4 /A

TEST COMMENTS:

This site was planted into a clean seedbed with plenty of moisture. This location went from June 10 to July 24 with no rain. Late July brought a 3-inch rain, and August was hot with a couple of light showers. Plants were just slightly shorter than normal and standing well at harvest. Good weed control.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Hoegemeyer	4123 E ↗	E3	4.1	R	45.7	10.6	0	132.3	635	1
Pioneer	P40A23E GC ↗	E3	4.0	NA	45.4	10.0	0	137.3	631	2
NK Brand	NK44-J4XFS § ↗	RXF,ST	4.4	R	45.3	10.4	0	135.7	630	3
Lewis	4533XF ↗	RXF	4.5	R	45.1	10.2	0	135.7	627	4
Golden Harvest	GH4343XFS § ↗	RXF,ST	4.3	R	44.7	10.3	0	134.0	621	5
Lewis	4703XF ↗	RXF	4.7	R	43.9	10.2	0	134.0	610	6
Asgrow	AG46XF2 § ↗	RXF,ST	4.6	R	43.5	10.2	0	134.0	605	7
Lewis	3910XF ↗	RXF	3.9	R	43.3	10.3	0	130.7	602	8
Hoegemeyer	4743 E ↗	E3	4.7	R	43.0	10.2	0	132.3	598	9
Lewis	4211XF ↗	RXF,ST	4.2	R	43.0	10.5	0	134.0	598	10
Midland Genetics	3999E3 ↗	E3	3.9	R	42.7	10.2	0	134.0	594	11
Xitavo	XO 4132E ↗	E3	4.1	R	42.5	10.4	0	135.7	591	12
Stine	44EE20 § ↗	E3	4.4	R	42.5	10.6	0	135.7	591	13
Lewis	3834XF ↗	RXF	3.8	R	42.4	10.7	0	137.3	589	14
Pioneer	P46A09E § ↗	E3	4.6	NA	42.3	10.8	0	137.3	588	15
DONMARIO	DM45F23 ↗	RXF	4.5	S	42.3	10.5	0	134.0	588	16
Midland Genetics	4602E3S ↗	E3,ST	4.6	NA	42.1	10.4	0	137.3	585	17
Pioneer	P38A54E GC ↗	E3	3.8	NA	42.0	9.9	0	139.0	584	18
Stine	38EF32 § ↗	E3	3.8	R	41.7	10.3	0	135.7	580	19
Xitavo	XO 4722E ↗	E3	4.7	MR	41.3	10.5	0	135.7	574	20
Xitavo	XO 3803E ↗	E3,ST	3.8	MR	41.1	10.5	0	137.3	571	21
Stine	41EE62 § ↗	E3	4.1	R	40.9	10.5	0	135.7	569	22
Xitavo	XO 4522E ↗	E3	4.5	R	40.7	10.3	0	134.0	566	23
Midland Genetics	4621XFS ↗	RXF,ST	4.6	MR	40.7	10.6	0	135.7	566	24
Hoegemeyer	4503 E ↗	E3	4.5	R	39.8	10.2	0	137.3	553	25
Midland Genetics	4221XFS ↗	RXF,ST	4.2	MR	39.7	10.4	0	137.3	552	26
NK Brand	NK45-V9E3 § ↗	E3	4.5	R	39.7	10.3	0	137.3	552	27
Pioneer	P44A91E § ↗	E3	4.4	NA	39.5	10.2	0	137.3	549	28
Asgrow	AG41XF2 § ↗	RXF	4.1	R	39.5	10.3	0	134.0	549	29
Xitavo	XO 3861E ↗	E3	3.8	R	39.4	10.5	0	134.0	548	30



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Averages = **41.3** **10.3** **135.4** **575**

LSD (0.10) = 3.0 0.2 ns

LSD (0.25) = 1.5 0.1 ns

C.V. = 6.8

Historic yield: 51.48 bu/a, 8 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.04 Prices: GMO = \$13.90

Report Date: 10/24/2022

† 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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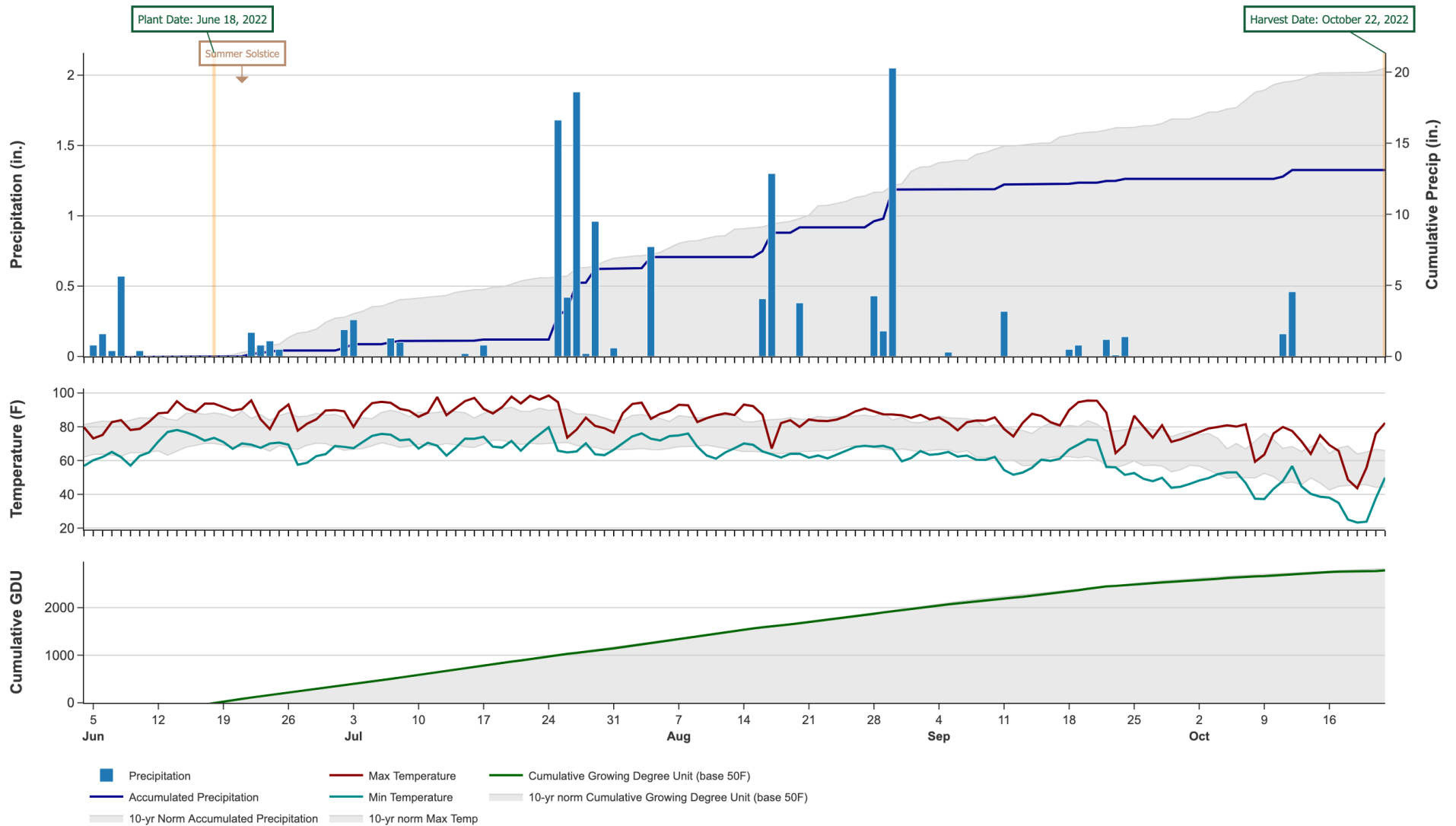
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2022 Soybeans - Kansas East Central [KSEC]

Weather Conditions Summary at STILWELL, KS

Weather Data Retrieved: 10/24/2022

Monthly Total	Jun*	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	1.3 4.5 (-3.2)	5.8 4.5 (+1.3)	5.5 5.2 (+0.3)	0.8 4.6 (-3.8)	0.6 3.6 (-2.9)	14.0 22.4 (-8.4)
GDU Normal (Diff)	678 697 (-19)	839 848 (-9)	805 803 (+1)	603 617 (-14)	234 225 (+8)	3159 3191 (-32)



* 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.

2022 Soybeans - Kansas East Central [KSEC]

All-Season Test Products (37 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG39XF3 §	RXF	R	3.9	ACi,IL
Asgrow	AG41XF2 §	RXF	R	4.1	ACi,IL
Asgrow	AG46XF2 §	RXF,ST	R	4.6	ACi,IL
DONMARIO	DM41F33S	RXF,ST	R	4.1	CMBV
DONMARIO	DM45F23	RXF	S	4.5	CMBV
Golden Harvest	GH4222XF	RXF	R	4.2	CMBV,SA
Golden Harvest	GH4343XFS §	RXF,ST	R	4.3	CMBV,SA
Hoegemeyer	3953 E	E3	R	3.9	Lum,Lu,IL
Hoegemeyer	4123 E	E3	R	4.1	Lum,Lu,IL
Hoegemeyer	4503 E	E3	R	4.5	Lum,Lu,IL
Hoegemeyer	4743 E	E3	R	4.7	Lum,Lu,IL
Lewis	3834XF	RXF	R	3.8	ACi
Lewis	3910XF	RXF	R	3.9	ACi
Lewis	4211XF	RXF,ST	R	4.2	ACi
Lewis	4533XF	RXF	R	4.5	ACi
Lewis	4703XF	RXF	R	4.7	ACi
Midland Genetics	3999E3	E3	R	3.9	Edge-SST
Midland Genetics	4221XF5	RXF,ST	MR	4.2	Edge-SST
Midland Genetics	4412E3S	E3,ST	MR	4.4	Edge-SST
Midland Genetics	4602E3S	E3,ST	NA	4.6	Edge-SST
Midland Genetics	4621XF5	RXF,ST	MR	4.6	Edge-SST
NK Brand	NK44-J4XFS §	RXF,ST	R	4.4	CMBV,SA
NK Brand	NK45-V9E3 §	E3	R	4.5	CMBV,SA
Pioneer	P38A54E GC	E3	NA	3.8	Lum,Lu,IL
Pioneer	P40A23E GC	E3	NA	4.0	Lum,Lu,IL
Pioneer	P42A84E §	E3	R	4.2	Lum,Lu,IL
Pioneer	P44A91E §	E3	NA	4.4	Lum,Lu,IL
Pioneer	P46A09E §	E3	NA	4.6	Lum,Lu,IL
Stine	38EF32 §	E3	R	3.8	SFI
Stine	41EE62 §	E3	R	4.1	SFI
Stine	44EE20 §	E3	R	4.4	SFI
Xitavo	XO 3803E	E3,ST	MR	3.8	PV,IL,OB,Rey
Xitavo	XO 3861E	E3	R	3.8	PV,IL,OB,Rey
Xitavo	XO 4132E	E3	R	4.1	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 4722E	E3	MR	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	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
CMBV	CruiserMaxx® Beans, Vibrance®
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Saltro®
Edge-SST	Cruiser®, Apron XL®, Maxim®, Dynasty®, Mertect®, Optimize®, Saltro® (Midland Genetics)
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
SFI	Stine XP F&I

* Seed treatments may include unspecified plant health promoting components.