

Test by: Agri Seed Research, LLC Louisburg, KS

2021 Soybeans Top 30 Harvest Report

Kansas East Central [KSEC] STILWELL, KS
Bruce Betts, Johnson County, KS 64742

All-Season Test	Maturity Group 3.7 - 4.7 S2021KSEC03
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Fulltime, Glyphosate, 2,4-D
SOIL DESCRIPTION:	Grundy silty clay loam, moderately drained, non-irrigated
SOIL CONDITION:	very high P, medium K, 7.1 pH, 5.5% OM, 22.6 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Glyphosate, 2,4-D, Sharpen, Sencor, Metolachlor, Cadet
Applied N-P-K (units):	0-45-40
SEEDED - RATE - ROW:	Jun 16 145.0 /A 30" spacing
HARVESTED - STAND:	Nov 5 129.2 /A

TEST COMMENTS:

This site was planted into a clean seedbed and received heavy rains as it was trying to emerge. July and August brought a few timely rains, and September was warm and dry. Harvest was delayed until a killing frost allowed the Soybean plants to dry down. Plants were standing well at harvest, and plants had a lot of pods but most pods had at least one soybean that never fully developed. Great weed control.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Stine	39EC22 § ↗	E3	3.9	R	51.6	10.9	0	129.0	619	1
NK Brand	NK39-A1XF ↗	RXF	3.9	R	51.5	11.0	0	130.7	618	2
Midland Genetics	4412E3S ↗	E3,ST	4.4	MR	50.0	11.4	0	130.7	600	3
Donmario	DM42F62 ↗	RXF	4.2	NA	49.9	11.3	0	130.7	599	4
Hoegemeyer	4081 SE ↗	E3,ST	4.0	R	49.7	11.2	0	125.7	596	5
Lewis	4703XF ↗	RXF	4.7	R	49.5	10.9	0	130.7	594	6
Lewis	4004XF ↗	RXF	4.0	R	49.5	11.0	0	127.3	594	7
Hoegemeyer	4622 SE ↗	E3,ST	4.6	R	49.4	11.5	0	125.7	593	8
Asgrow	AG41XF2 § ↗	RXF	4.1	R	49.3	11.0	0	127.3	592	9
Stine	40EC20 § ↗	E3	4.0	R	49.2	11.7	0	129.0	590	10
Midland Genetics	4602E3S ↗	E3,ST	4.6	NA	49.1	11.0	0	127.3	589	11
Pioneer	P47T39SE § ↗	E3,ST	4.7	NA	49.0	10.9	0	129.0	588	12
Golden Harvest	GH4531XS ↗	RRX,ST	4.5	R	48.9	11.3	0	129.0	587	13
Midland Genetics	4621XFS ↗	RXF	4.6	MR	48.9	11.4	0	127.3	587	14
Midland Genetics	3999E3 ↗	E3	3.9	R	48.7	11.1	0	129.0	584	15
Credenz	CZ 4742XF ↗	RXF	4.7	R	48.6	11.1	0	130.7	583	16
Lewis	4413XF ↗	RXF	4.3	R	48.4	11.0	0	132.3	581	17
Lewis	3713XF ↗	RXF	3.7	R	48.4	11.2	0	129.0	581	18
NK Brand	NK44-J4XF ↗	RXF	4.4	MR	48.3	10.9	0	134.0	580	19
Midland Genetics	4221XFS ↗	RXF	4.2	MR	48.1	10.8	0	125.7	577	20
Hoegemeyer	4161 E ↗	E3	4.1	R	48.0	10.9	0	130.7	576	21
Golden Harvest	GH4452XFS § ↗	RXF,ST	4.4	MR	48.0	11.0	0	130.7	576	22
Lewis	3910XF ↗	RXF	3.9	R	47.7	10.6	0	134.0	572	23
Asgrow	AG37XF1 § ↗	RXF	3.7	R	47.6	11.1	0	127.3	571	24
Xitavo	XO 4522E ↗	E3,ST	4.5	R	47.6	10.9	0	129.0	571	25
Credenz	CZ 4892XF ↗	RXF	4.8	R	47.5	11.1	0	130.7	570	26
NuPride Genetics	NGN9373E3 GC ↗	E3	3.7	NA	47.4	10.7	0	127.3	569	27
Lewis	4424XF ↗	RXF	4.4	R	47.2	11.0	0	130.7	566	28
Genesis	G4360ES ↗	E3,ST	4.3	R	47.1	11.2	0	130.7	565	29
Pioneer	P44T04SE § ↗	E3,ST	4.4	NA	46.9	11.0	0	125.7	563	30



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Averages = **47.2** **11.1** **129.2** **566**

LSD (0.10) = 2.7 0.2 ns

LSD (0.25) = 1.4 0.1 ns

C.V. = 5.3

Historic yield: 52.1 bu/a, 7 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$12.00

Report Date: 11/07/2021

† 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. ↗ New! Links to full product yield results at www.firstseedtests.com

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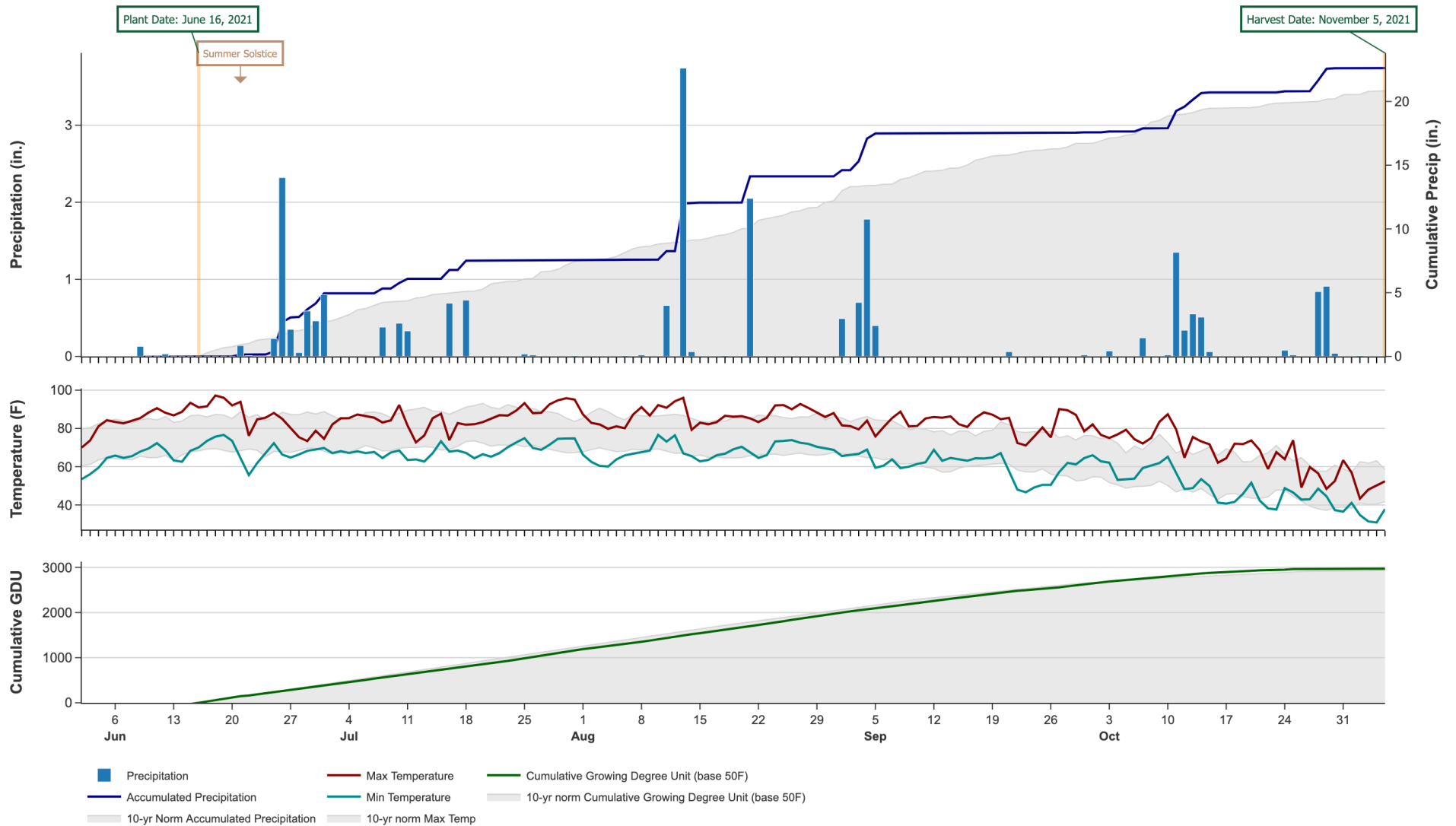
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2021 Soybeans - Kansas East Central [KSEC]

Weather Conditions Summary at STILWELL, KS

Weather Data Retrieved: 11/07/2021

Monthly Total	Jun*	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) Normal (Diff)	4.3 5.2 (-0.9)	3.4 4.9 (-1.5)	6.5 4.8 (+1.8)	3.5 4.5 (-1.1)	5.0 3.8 (+1.2)	0.0 0.3 (-0.3)	22.8 23.5 (-0.8)
GDU Normal (Diff)	715 742 (-27)	807 860 (-53)	816 812 (+3)	647 599 (+47)	345 259 (+85)	0 22 (-22)	3330 3298 (+31)



* 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.

2021 Soybeans - Kansas East Central [KSEC]

All-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG37XF1 §	RXF	R	3.7	ACi,IL
Asgrow	AG40XF1 §	RXF	R	4.0	ACi,IL
Asgrow	AG41XF2 §	RXF	R	4.1	ACi,IL
Credenz	CZ 4742XF	RXF	R	4.7	PV,IL,OB
Credenz	CZ 4852XF	RXF	R	4.8	PV,IL,OB
Credenz	CZ 4892XF	RXF	R	4.8	PV,IL,OB
Credenz	CZ 4912XF	RXF	R	4.9	PV,IL,OB
DONMARIO	DM42F62	RXF	NA	4.2	CMBV
Genesis	G3960E	E3	R	3.9	CMBV,SA
Genesis	G4360ES	E3,ST	R	4.3	CMBV,SA
Golden Harvest	GH3982X	RRX	R	3.9	CMBV,SA
Golden Harvest	GH4392XF	RXF	MR	4.3	CMBV,SA
Golden Harvest	GH4452XFS §	RXF,ST	MR	4.4	CMBV,SA
Golden Harvest	GH4531XS	RRX,ST	R	4.5	CMBV,SA
Hoegemeyer	4081 SE	E3,ST	R	4.0	Lum,Lu,IL
Hoegemeyer	4161 E	E3	R	4.1	Lum,Lu,IL
Hoegemeyer	4516 SE	E3,ST	R	4.5	Lum,Lu,IL
Hoegemeyer	4622 SE	E3,ST	R	4.6	Lum,Lu,IL
Lewis	3713XF	RXF	R	3.7	ACi
Lewis	3910XF	RXF	R	3.9	ACi
Lewis	4004XF	RXF	R	4.0	ACi
Lewis	4211XF	RXF	R	4.2	ACi
Lewis	4413XF	RXF	R	4.3	ACi
Lewis	4424XF	RXF	R	4.4	ACi
Lewis	4703XF	RXF	R	4.7	ACi
Midland Genetics	3921XFS	RXF	R	3.9	Edge-SST
Midland Genetics	3999E3	E3	R	3.9	Edge-SST
Midland Genetics	4221XFS	RXF	MR	4.2	Edge-SST
Midland Genetics	4412E3S	E3,ST	MR	4.4	Edge-SST
Midland Genetics	4422XF	RXF	MR	4.4	Edge-SST
Midland Genetics	4602E3S	E3,ST	NA	4.6	Edge-SST
Midland Genetics	4621XFS	RXF	MR	4.6	Edge-SST
NK Brand	NK39-A1XF	RXF	R	3.9	CMBV,SA
NK Brand	NK39-T5E3S GC	E3,ST	R	3.9	CMBV,SA
NK Brand	NK42-T5XF §	RXF	R	4.2	CMBV,SA
NK Brand	NK43-V8XF §	RXF	MR	4.3	CMBV,SA
NK Brand	NK44-J4XF	RXF	MR	4.4	CMBV,SA
NuPride Genetics	NGN9312E3 GC	E3	R	3.1	Untreated
NuPride Genetics	NGN9373E3 GC	E3	NA	3.7	Untreated
Pioneer	P38T76E §	E3	NA	3.8	Lum,IL
Pioneer	P44T04SE §	E3,ST	NA	4.4	Lum,IL
Pioneer	P47T39SE §	E3,ST	NA	4.7	Lum,IL

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Renk	RS392NXF	RRX	R	3.9	EcTC,SA
Stine	39EC22 §	E3	R	3.9	SFI
Stine	40EC20 §	E3	R	4.0	SFI
Stine	47EE02 §	E3	R	4.7	SFI
Xitavo	XO 4371E	E3	R	4.3	PV,IL,OB
Xitavo	XO 4522E	E3,ST	R	4.5	PV,IL,OB

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
RRX	Roundup Ready 2 Xtend®
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®
EcTC,SA	Eclipse US Total Coverage Trio IM, N-Force, Saltro®
Edge-	Cruiser®, Apron XL®, Maxim®, Dynasty®, Mertect®,
SST	Optimize®, Saltro® (Midland Genetics)
Lum,IL	LumiGEN™ plus ILeVO
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
SF1	Stine XP F&I
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.