

Test by: Agri Seed Research, LLC Louisburg, KS

2021 Soybeans Top 30 Harvest Report

Kansas East Central [KSEC] LOUISBURG, KS
Les Stuteville, Miami County, KS 66013

All-Season Test	Maturity Group 3.7 - 4.7 S2021KSEC02
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Bicep li, Glyphosate
SOIL DESCRIPTION:	Grundy silty clay loam, moderately drained, non- irrigated
SOIL CONDITION:	very high P, medium K, 7.1 pH, 5.0% OM, 21.3 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	2,4-D, Glyphosate, Metribuzin, Zone, Metolachlor, Cadet
Applied N-P-K (units):	0-30-30
SEDED - RATE - ROW:	Jun 16 145.0 /A 30" spacing
HARVESTED - STAND:	Dec 7 131.2 /A

TEST COMMENTS:

This site was planted into a clean seedbed. As soybeans were trying to emerge from the ground, this site received a hard rain. Stand count numbers were down slightly, but overall emergence was uniform. July and August brought some rain showers. September was warm and dry, this site went 34 days with no rain in September and early October. Plants were standing well, some pods had shriveled soybeans in them due to the dry spell. Great weed control.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NK Brand	NK42-T5XF § ↗	RXF	4.2	R	62.1	11.9	0	132.3	745	1
Hoegemeyer	4516 SE ↗	E3,ST	4.5	R	59.5	11.8	0	132.3	714	2
Lewis	4211XF ↗	RXF	4.2	R	59.5	11.8	0	129.0	714	3
Golden Harvest	GH4392XF ↗	RXF	4.3	MR	59.4	11.5	0	129.0	713	4
Midland Genetics	3999E3 ↗	E3	3.9	R	58.7	11.8	0	129.0	704	5
Genesis	G4360ES ↗	E3,ST	4.3	R	58.4	11.9	0	132.3	701	6
Renk	RS392NXF ↗	RRX	3.9	R	58.1	11.7	0	132.3	697	7
Pioneer	P47T39SE § ↗	E3,ST	4.7	NA	58.0	12.2	0	134.0	696	8
Golden Harvest	GH4452XFS § ↗	RXF,ST	4.4	MR	57.6	11.9	0	129.0	691	9
Asgrow	AG40XF1 § ↗	RXF	4.0	R	57.4	11.7	0	130.7	689	10
Stine	40EC20 § ↗	E3	4.0	R	57.1	11.7	0	129.0	685	11
Stine	39EC22 § ↗	E3	3.9	R	57.0	11.7	0	130.7	684	12
Midland Genetics	4221XFS ↗	RXF	4.2	MR	57.0	11.6	0	134.0	684	13
Pioneer	P38T76E § ↗	E3	3.8	NA	56.8	11.6	0	135.7	682	14
Lewis	4424XF ↗	RXF	4.4	R	56.6	11.7	0	132.3	679	15
NK Brand	NK39-T5E3S GC ↗	E3,ST	3.9	R	56.5	11.6	0	130.7	678	16
Lewis	3713XF ↗	RXF	3.7	R	56.4	11.6	0	129.0	677	17
NK Brand	NK39-A1XF ↗	RXF	3.9	R	56.1	12.0	0	129.0	673	18
Genesis	G3960E ↗	E3	3.9	R	56.1	12.3	0	129.0	673	19
Golden Harvest	GH4531XS ↗	RRX,ST	4.5	R	56.0	11.5	0	130.7	672	20
Lewis	3910XF ↗	RXF	3.9	R	55.5	11.6	0	130.7	666	21
Hoegemeyer	4161 E ↗	E3	4.1	R	55.4	11.7	0	129.0	665	22
DONMARIO	DM42F62 ↗	RXF	4.2	NA	55.3	11.7	0	132.3	664	23
Lewis	4004XF ↗	RXF	4.0	R	55.3	12.1	0	130.7	664	24
Asgrow	AG41XF2 § ↗	RXF	4.1	R	54.8	11.5	0	130.7	658	25
Xitavo	XO 4371E ↗	E3	4.3	R	54.7	12.0	0	130.7	656	26
Credenz	CZ 4912XF ↗	RXF	4.9	R	54.6	11.7	0	130.7	655	27
Credenz	CZ 4742XF ↗	RXF	4.7	R	54.6	12.1	0	130.7	655	28
Credenz	CZ 4852XF ↗	RXF	4.8	R	54.6	11.7	0	134.0	655	29
NK Brand	NK44-J4XF ↗	RXF	4.4	MR	54.1	11.9	0	129.0	649	30

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Averages = **54.7** **11.8** **131.2** **656**

LSD (0.10) = 3.6 ns ns

LSD (0.25) = 1.9 ns ns

C.V. = 6.2 Historic yield: 51.98 bu/a, 7 yr(s)

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

Report Date: 11/10/2021

† 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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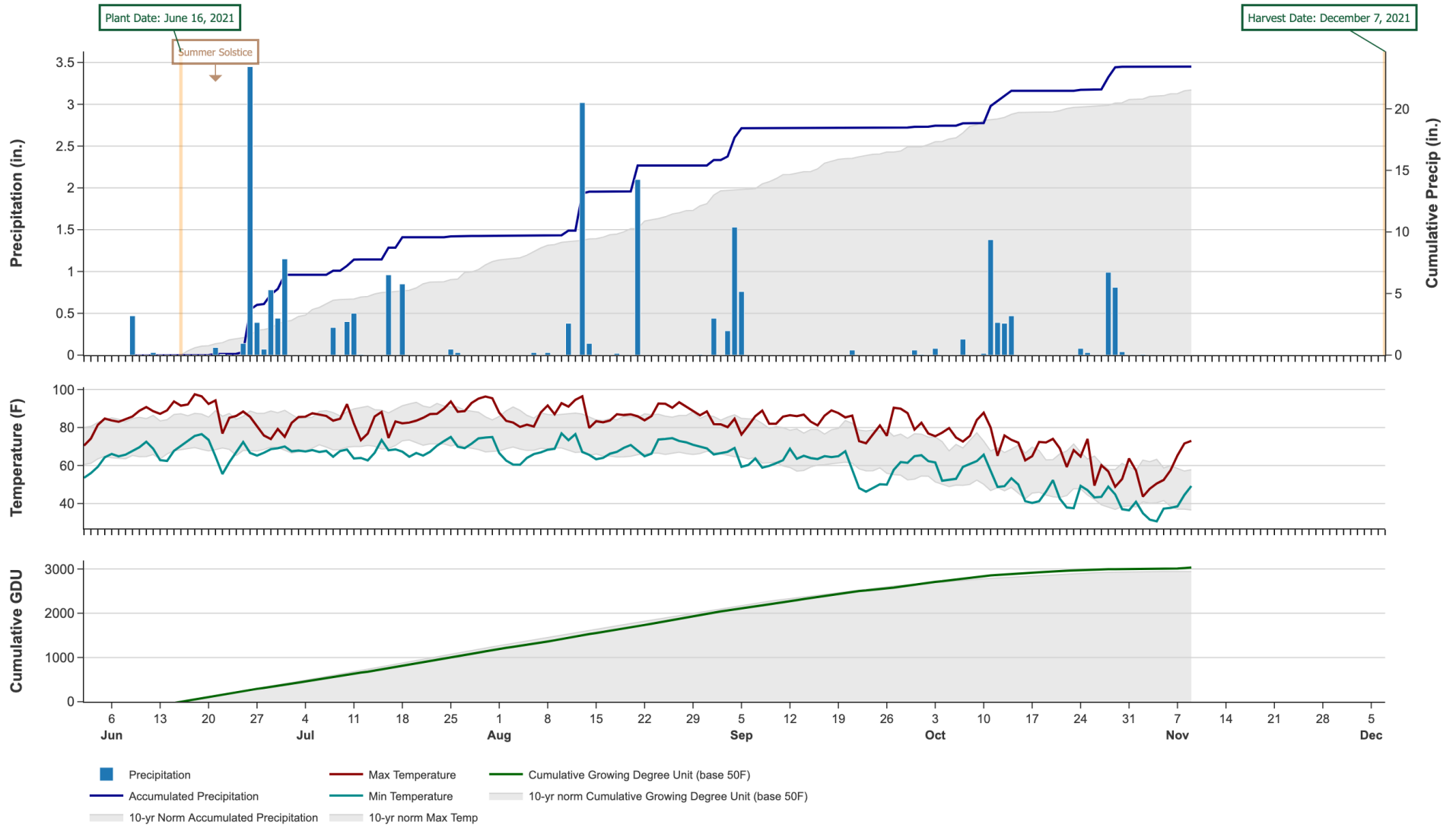
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2021 Soybeans - Kansas East Central [KSEC]

Weather Conditions Summary at LOUISBURG, KS

Weather Data Retrieved: 11/10/2021

Monthly Total	Jun*	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) Normal (Diff)	5.9 5.0 (+0.8)	4.3 5.0 (-0.8)	5.7 4.7 (+1.0)	3.1 4.6 (-1.5)	4.9 3.8 (+1.0)	0.0 0.8 (-0.8)	23.9 24.0 (-0.1)
GDU Normal (Diff)	719 743 (-24)	811 860 (-49)	824 813 (+10)	654 603 (+50)	355 263 (+91)	30 23 (+6)	3393 3308 (+84)



* 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
SFI	Stine XP F&I
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.