

Test by: Agri Seed Research, LLC Louisburg, KS

2021 Soybeans Top 30 Harvest Report

Kansas Northeast [KSNE] HOLTON, KS

Dave Royer, Jackson County, KS

All-Season Test	Maturity Group 3.4 - 4.4 S2021KSNE05
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Atrazine, Mesotrione
SOIL DESCRIPTION:	Kennebec silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	very high P, high K, 6.7 pH, 4.8% OM, 19.9 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Glyphosate, 2,4-D, Authority, Metric
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 18 145.0 /A 30" spacing
HARVESTED - STAND:	Nov 6 136.2 /A

TEST COMMENTS:

This site emerged uniform and looked great early in the growing season. July and August brought timely rains. September was warm and dry, with no precipitation for over 30 days. Plants were standing well at harvest. Plants had mostly three-bean pods but some pods had shriveled beans inside. Great weed control.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Midland Genetics	4221XFS ↗	RXF	4.2	MR	60.5	11.5	0	135.7	726	1
Renk	RS392NXF ↗	RRX	3.9	R	59.0	11.0	0	134.0	708	2
NK Brand	NK43-V8XF ↗	RXF	4.3	MR	59.0	11.4	0	134.0	708	3
Midland Genetics	4260E3S ↗	E3,ST	4.2	MR	58.4	11.0	0	139.0	701	4
DONMARIO	DM40E62 ↗	E3	4.0	NA	57.2	11.2	0	134.0	686	5
Stine	35EE32 § ↗	E3	3.5	R	57.1	11.6	0	140.7	685	6
Genesis	G3960E ↗	E3	3.9	R	56.6	11.9	0	137.3	679	7
Lewis	3713XF ↗	RXF	3.7	R	56.4	11.4	0	135.7	677	8
Midland Genetics	4082E3 ↗	E3	4.0	R	56.1	11.0	0	139.0	673	9
Midland Genetics	3522XF ↗	RXF	3.5	MR	56.0	11.3	0	135.7	672	10
Lewis	4424XF ↗	RXF	4.4	R	55.8	11.8	0	139.0	670	11
Lewis	3623XF ↗	RXF	3.6	R	55.7	11.8	0	139.0	668	12
Golden Harvest	GH4392XF ↗	RXF	4.3	MR	55.6	11.3	0	139.0	667	13
Asgrow	AG35XF1 § ↗	RXF	3.5	R	55.6	11.4	0	140.7	667	14
Xitavo	XO 4132E ↗	E3	4.1	R	55.5	11.5	0	139.0	666	15
Dyna-Gro	S39XF41 ↗	RXF,ST	3.9	MR	55.5	11.5	0	132.3	666	16
Dyna-Gro	S37XF42 ↗	RXF	3.7	MR	55.4	11.6	0	134.0	665	17
NuPride Genetics	NGN9312E3 GC ↗	E3	3.1	R	55.3	11.2	0	137.3	664	18
Hoegemeyer	4161 E ↗	E3	4.1	R	55.1	11.2	0	135.7	661	19
Lewis	3513XF ↗	RXF	3.5	R	54.9	11.4	0	137.3	659	20
Pioneer	P44T04SE § ↗	E3,ST	4.4	NA	54.9	11.6	0	132.3	659	21
NuPride Genetics	NGN9373E3 GC ↗	E3	3.7	NA	54.8	11.2	0	132.3	658	22
Lewis	3910XF ↗	RXF	3.9	R	54.5	11.3	0	137.3	654	23
Hoegemeyer	3921 E ↗	E3	3.9	R	54.5	11.5	0	134.0	654	24
Pioneer	P37T33E § ↗	E3	3.7	MR	54.3	11.4	0	132.3	652	25
Xitavo	XO 3651E ↗	E3	3.6	R	54.3	11.5	0	139.0	652	26
Asgrow	AG41XF2 § ↗	RXF	4.1	R	54.2	11.4	0	132.3	650	27
Dyna-Gro	S40XF21S ↗	RXF,ST	4.0	R	53.6	10.9	0	137.3	643	28
Xitavo	XO 3922E ↗	E3	3.9	R	53.6	11.1	0	130.7	643	29
Xitavo	XO 4371E ↗	E3	4.3	R	53.4	11.5	0	134.0	641	30



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Averages = **53.4** **11.4** **136.2** **640**

LSD (0.10) = 3.0 0.3 ns

LSD (0.25) = 1.6 0.2 ns

C.V. = 5.3

Historic yield: 49.7 bu/a, 9 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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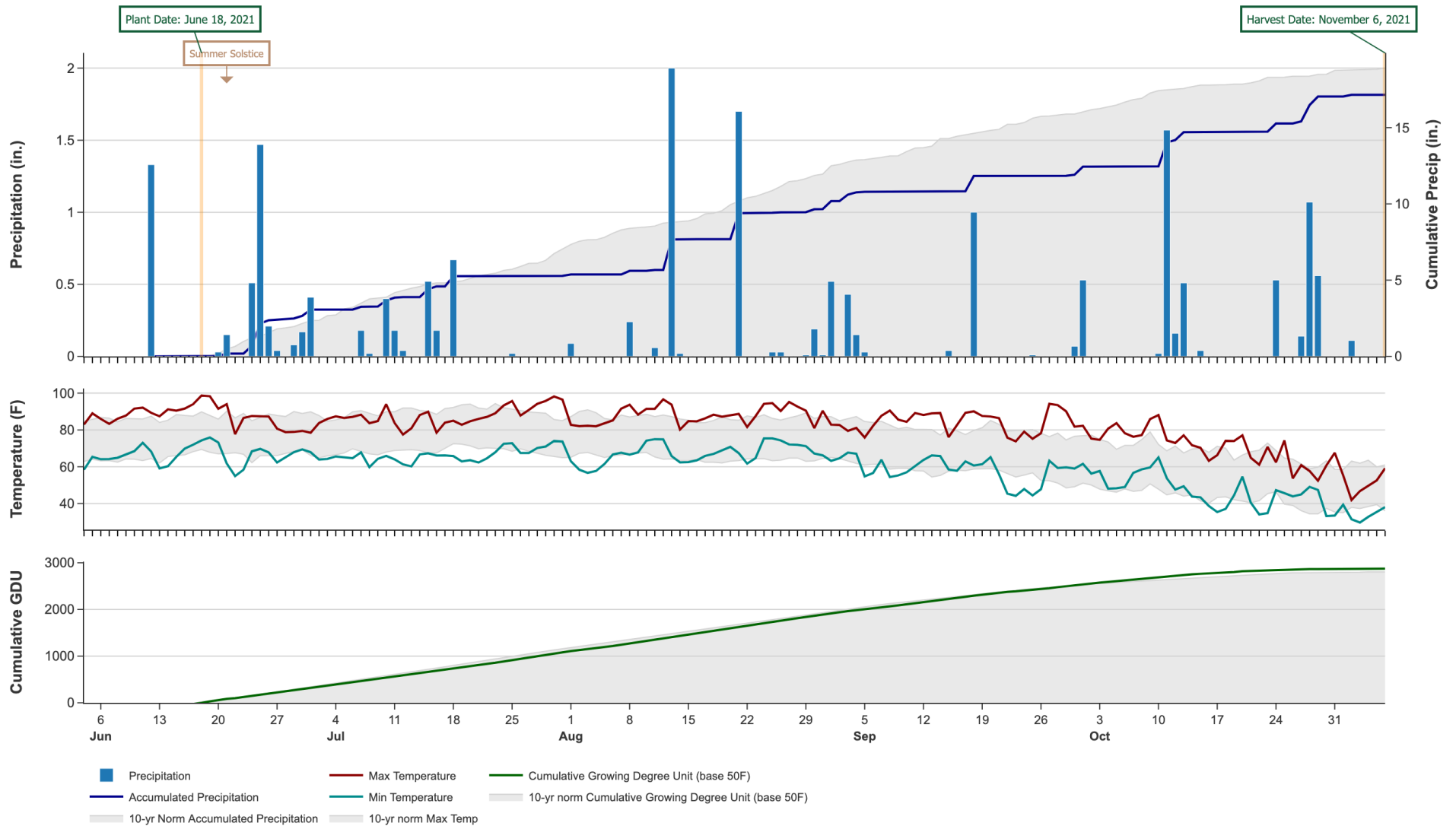
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2021 Soybeans - Kansas Northeast [KSNE]

Weather Conditions Summary at HOLTON, KS

Weather Data Retrieved: 11/10/2021

Monthly Total	Jun*	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) Normal (Diff)	4.0 4.2 (-0.2)	2.6 4.9 (-2.3)	4.4 4.9 (-0.5)	2.2 3.9 (-1.7)	5.1 2.9 (+2.3)	0.1 0.1 (-0.0)	18.5 20.9 (-2.4)
GDU Normal (Diff)	686 693 (-7)	790 840 (-50)	807 780 (+26)	628 578 (+49)	352 275 (+76)	0 13 (-13)	3263 3182 (+80)



* 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 (54 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG35XF1 §	RXF	R	3.5	ACi
Asgrow	AG40XF1 §	RXF	R	4.0	ACi,IL
Asgrow	AG41XF2 §	RXF	R	4.1	ACi,IL
DONMARIO	DM38F42S	RXF	NA	3.8	CMBV
DONMARIO	DM40E62	E3	NA	4.0	CMBV
Dyna-Gro	S37XF42	RXF	MR	3.7	EQV,SA
Dyna-Gro	S39XF41	RXF,ST	MR	3.9	EQV,SA
Dyna-Gro	S40XF21S	RXF,ST	R	4.0	EQV,SA
Genesis	G3960E	E3	R	3.9	CMBV,SA
Genesis	G4350E	E3	R	4.3	CMBV,SA
Genesis	G4360ES	E3,ST	R	4.3	CMBV,SA
Golden Harvest	GH3902E3S §	E3,ST	R	3.9	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
Hoegemeyer	3921 E	E3	R	3.9	Lum,Lu,IL
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
Lewis	3513XF	RXF	R	3.5	ACi
Lewis	3623XF	RXF	R	3.6	ACi
Lewis	3713XF	RXF	R	3.7	ACi
Lewis	3910XF	RXF	R	3.9	ACi
Lewis	4211XF	RXF	R	4.2	ACi
Lewis	4413XF	RXF	R	4.3	ACi
Lewis	4424XF	RXF	R	4.4	ACi
Midland Genetics	3522XF	RXF	MR	3.5	Edge-SST
Midland Genetics	3591E3	E3	MR	3.5	Edge-SST
Midland Genetics	3921XFS	RXF	R	3.9	Edge-SST
Midland Genetics	3999E3	E3	R	3.9	Edge-SST
Midland Genetics	4082E3	E3	R	4.0	Edge-SST
Midland Genetics	4221XFS	RXF	MR	4.2	Edge-SST
Midland Genetics	4260E3S	E3,ST	MR	4.2	Edge-SST
NK Brand	NK37-Z9XF	RXF	R	3.7	CMBV,SA
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
NuPride Genetics	NGN8261GT GC	RR	NA	2.7	Untreated
NuPride Genetics	NGN9312E3 GC	E3	R	3.1	Untreated
NuPride Genetics	NGN9373E3 GC	E3	NA	3.7	Untreated
Pioneer	P37T33E §	E3	MR	3.7	Lum,IL

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Pioneer	P38T05E §	E3	R	3.8	Lum,IL
Pioneer	P44T04SE §	E3,ST	NA	4.4	Lum,IL
Renk	RS392NXF	RRX	R	3.9	EcTC,SA
Stine	35EE32 §	E3	R	3.5	SFI
Stine	36EB32 §	E3	R	3.6	SFI
Stine	40EC20 §	E3	R	4.0	SFI
Xitavo	XO 3402E	E3	R	3.4	PV,IL,OB
Xitavo	XO 3651E	E3	R	3.6	PV,IL,OB
Xitavo	XO 3861E	E3,ST	R	3.8	PV,IL,OB
Xitavo	XO 3922E	E3	R	3.9	PV,IL,OB
Xitavo	XO 4132E	E3	R	4.1	PV,IL,OB
Xitavo	XO 4371E	E3	R	4.3	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
RR	Roundup Ready®
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)
EQV,SA	Equity VIP, Saltro®
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.