

Test by: Agri Seed Research, LLC Louisburg, KS

2021 Soybeans Top 30 Harvest Report

Kansas Northeast [KSNE] VERMILLION, KS
Jack Boyle, Marshall County, KS 66544

All-Season Test	Maturity Group 3.4 - 4.4 S2021KSNE07
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Glyphosate, 2,4-D, Fierce Ez
SOIL DESCRIPTION:	Wymore silty clay loam, moderately drained, non- irrigated
SOIL CONDITION:	medium P, high K, 6.2 pH, 4.4% OM, 17.4 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Glyphosate, Authority, Fomesafen
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 17 145.0 /A 30" spacing
HARVESTED - STAND:	Oct 20 133.7 /A

TEST COMMENTS:

This site was planted into a clean seedbed and emerged quickly. July and August brought timely rains, but September was drier. Plants were tall and standing great at harvest. Walking through the site before harvest you could find four-bean pods on most varieties. A few pigweeds emerged late in the growing season.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NK Brand	NK37-Z9XF ↗	RXF	3.7	R	73.8	11.0	0	134.0	886	1
Dyna-Gro	S37XF42 ↗	RXF	3.7	MR	71.4	11.2	0	130.7	857	2
Stine	35EE32 § ↗	E3	3.5	R	70.7	10.9	0	134.0	848	3
Lewis	3623XF ↗	RXF	3.6	R	69.1	11.2	0	134.0	829	4
Asgrow	AG35XF1 § ↗	RXF	3.5	R	69.0	10.9	0	132.3	828	5
Midland Genetics	4082E3 ↗	E3	4.0	R	68.3	11.2	0	134.0	820	6
Dyna-Gro	S39XF41 ↗	RXF,ST	3.9	MR	67.6	10.1	0	134.0	811	7
Xitavo	XO 3402E ↗	E3	3.4	R	67.6	10.3	0	135.7	811	8
Donmario	DM40E62 ↗	E3	4.0	NA	67.6	11.2	0	132.3	811	9
Midland Genetics	3999E3 ↗	E3	3.9	R	66.8	11.1	0	135.7	802	10
Hoegemeyer	4081 SE ↗	E3,ST	4.0	R	66.7	11.3	0	135.7	800	11
Lewis	3910XF ↗	RXF	3.9	R	66.7	10.8	0	130.7	800	12
Midland Genetics	3921XFS ↗	RXF	3.9	R	66.6	10.6	0	134.0	799	13
Golden Harvest	GH3982X ↗	RRX	3.9	R	66.4	11.1	0	137.3	797	14
Midland Genetics	3522XF ↗	RXF	3.5	MR	66.2	10.7	0	134.0	794	15
Hoegemeyer	4516 SE ↗	E3,ST	4.5	R	65.6	11.3	0	135.7	787	16
Lewis	3713XF ↗	RXF	3.7	R	65.4	10.9	0	137.3	785	17
Pioneer	P37T33E § ↗	E3	3.7	MR	65.3	10.4	0	135.7	784	18
Genesis	G4350E ↗	E3	4.3	R	65.2	11.5	0	134.0	782	19
Hoegemeyer	3921 E ↗	E3	3.9	R	65.1	10.8	0	135.7	781	20
Stine	36EB32 § ↗	E3	3.6	R	65.0	10.8	0	135.7	780	21
Midland Genetics	3591E3 ↗	E3	3.5	MR	64.8	10.8	0	132.3	778	22
Genesis	G3960E ↗	E3	3.9	R	64.8	11.1	0	134.0	778	23
Golden Harvest	GH3902E3S § ↗	E3,ST	3.9	R	64.4	11.4	0	134.0	773	24
Xitavo	XO 3861E ↗	E3,ST	3.8	R	64.1	10.4	0	134.0	769	25
Xitavo	XO 3922E ↗	E3	3.9	R	64.0	10.7	0	134.0	768	26
Lewis	4211XF ↗	RXF	4.2	R	64.0	10.8	0	132.3	768	27
Renk	RS392NXF ↗	RRX	3.9	R	63.9	10.8	0	134.0	767	28
Midland Genetics	4260E3S ↗	E3,ST	4.2	MR	63.9	11.1	0	127.3	767	29
Donmario	DM38F42S ↗	RXF	3.8	NA	63.5	11.2	0	129.0	762	30



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Averages = **64.3** **10.9** **133.7** **771**

LSD (0.10) = 3.9 0.4 ns

LSD (0.25) = 2.0 0.2 ns

C.V. = 5.7

Historic yield: 49.44 bu/a, 8 yr(s)

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

Report Date: 10/21/2021

† 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

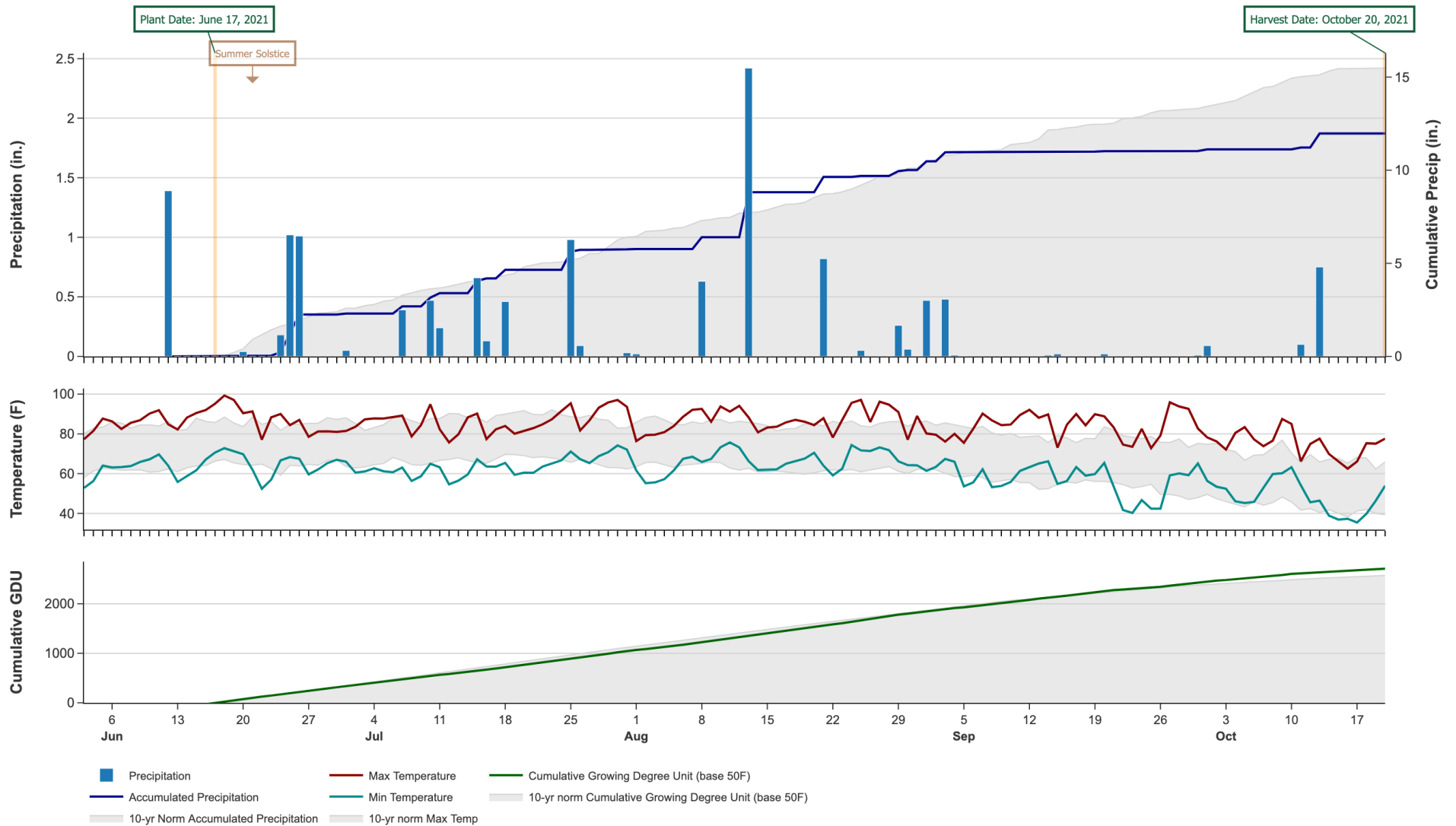
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2021 Soybeans - Kansas Northeast [KSNE]

Weather Conditions Summary at VERMILLION, KS

Monthly Total	Jun*	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	3.6 4.5 (-0.8)	3.5 4.0 (-0.5)	4.3 3.7 (+0.6)	1.0 3.2 (-2.2)	0.9 2.2 (-1.2)	13.4 17.6 (-4.2)
GDU Normal (Diff)	670 669 (0)	735 797 (-62)	777 737 (+39)	610 523 (+86)	272 192 (+79)	3064 2920 (+143)



* 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 Northeast [KSNE]

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.