

Test by: F.I.R.S.T. MSR, Inc. Columbia, MO

## 2023 Soybeans Top 30 Harvest Report

Missouri North [MONO] ST. JOSEPH, MO  
Jeff Gaskill, Buchanan County, MO 64098

<b>All-Season Test</b>	Maturity Group <b>3.2 - 4.3</b> S2023MONO01
<b>Top 30 of 63</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Fulltime Nxt, Atrazine, Armezon
<b>SOIL DESCRIPTION:</b>	Haynie silt loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	medium P, very high K, 7.7 pH, 1.9% OM, 14.5 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/O Fall Till
<b>PEST MANAGEMENT:</b>	Warrant, Metribuzen, Outlook, Liberty, Clethodim, Radiate
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	Apr 27 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 17 128.9 /A

### TEST COMMENTS:

April planted into very good soil conditions. Emergence was good and even. The trial got out of the gate well and canopied quickly. This area did not experience drought conditions - like so many others did in Missouri. Rain came at steady intervals. By harvest, substantial green stem did slow things down a bit. Plant height was average to above average with healthy seed size.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	39N07E ↗	E3	3.9	R	<b>72.3</b>	11.6	5	131.7	940	1
Pioneer	P37A18E § ↗	E3	3.7	MR	<b>71.6</b>	12.2	2	126.0	931	2
Burrus	3966E ↗	E3	3.9	R	<b>70.4</b>	11.4	2	127.7	915	3
AgVenture	AV 38A1E ↗	E3	3.8	MR	<b>68.0</b>	11.6	3	127.7	884	4
NK Brand	NK37-C1E3 § ↗	E3	3.7	R	<b>67.7</b>	12.1	4	133.7	880	5
Hoegemeyer	3894 E ↗	E3	3.8	R	<b>67.5</b>	12.2	5	137.3	878	6
DONMARIO	DM34E11 ↗	E3	3.4	R	<b>67.2</b>	12.0	5	120.0	874	7
Golden Harvest	GH3774E3 § ↗	E3	3.7	R	<b>66.9</b>	12.0	2	118.0	870	8
Golden Harvest	GH4093E3 ↗	E3	4.0	R	<b>65.9</b>	11.7	4	134.0	857	9
NuTech	34N02E ↗	E3	3.4	R	<b>65.7</b>	12.0	5	129.7	854	10
NK Brand	NK39-J2E3 ↗	E3	3.9	MR	<b>65.5</b>	11.7	1	135.7	852	11
NuTech	36N04E ↗	E3	3.6	R	<b>65.3</b>	11.6	5	130.0	849	12
AgVenture	AV 34Y9E ↗	E3	3.4	R	<b>64.7</b>	11.9	3	120.0	841	13
AgVenture	AV 39Y3E ↗	E3	3.9	MR	<b>64.7</b>	12.2	6	122.0	841	14
Stine	40FD29 § ↗	RXF	4.0	R	<b>64.7</b>	12.1	7	114.3	841	15
Lewis	4035XF ↗	RXF	4.0	R	<b>64.7</b>	12.5	4	125.7	841	16
Pioneer	P38A54E § ↗	E3	3.8	NA	<b>63.7</b>	11.6	14	135.3	828	17
Xitavo	XO 4084E ↗	E3,ST	4.0	R	<b>63.4</b>	13.3	9	128.0	823	18
Stine	37EG23 § ↗	E3	3.7	R	<b>63.3</b>	11.8	10	124.0	823	19
Lewis	3513XF ↗	RXF	3.5	R	<b>63.3</b>	12.3	4	128.0	823	20
NuTech	42N05E ↗	E3	4.2	R	<b>63.3</b>	12.9	1	131.7	823	21
NuTech	37N03E ↗	E3	3.7	R	<b>63.2</b>	12.8	4	131.3	822	22
Xitavo	XO 3752E ↗	E3,ST	3.7	R	<b>62.9</b>	11.4	5	130.0	818	23
Xitavo	XO 3922E ↗	E3	3.9	R	<b>62.7</b>	11.9	2	124.0	815	24
Asgrow	AG39XF3 § ↗	RXF	3.9	R	<b>62.6</b>	11.1	2	141.3	814	25
FS HiSOY	HS 39F30 ↗	RXF	3.9	R	<b>62.2</b>	11.5	2	120.0	809	26
Xitavo	XO 4364E ↗	E3,ST	4.3	R	<b>62.2</b>	12.5	2	131.7	809	27
Dyna-Gro	S35XF44 ↗	RXF	3.5	R	<b>62.1</b>	12.1	1	135.7	807	28
ProHarvest	39E40S ↗	E3,ST	3.9	R	<b>62.0</b>	11.9	1	131.7	806	29
Hoegemeyer	4234 E ↗	E3	4.2	R	<b>61.4</b>	12.7	2	124.0	798	30

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Averages = **61.0** **12.0** **5** **128.9** **794**

LSD (0.10) = 4.7 ns 4

LSD (0.25) = 2.5 ns 2

C.V. = 7.4

Historic yield: 59.29 bu/a, 5 yr(s)

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.035 Prices: GMO = \$13.00

Report Date: 10/18/2023

† 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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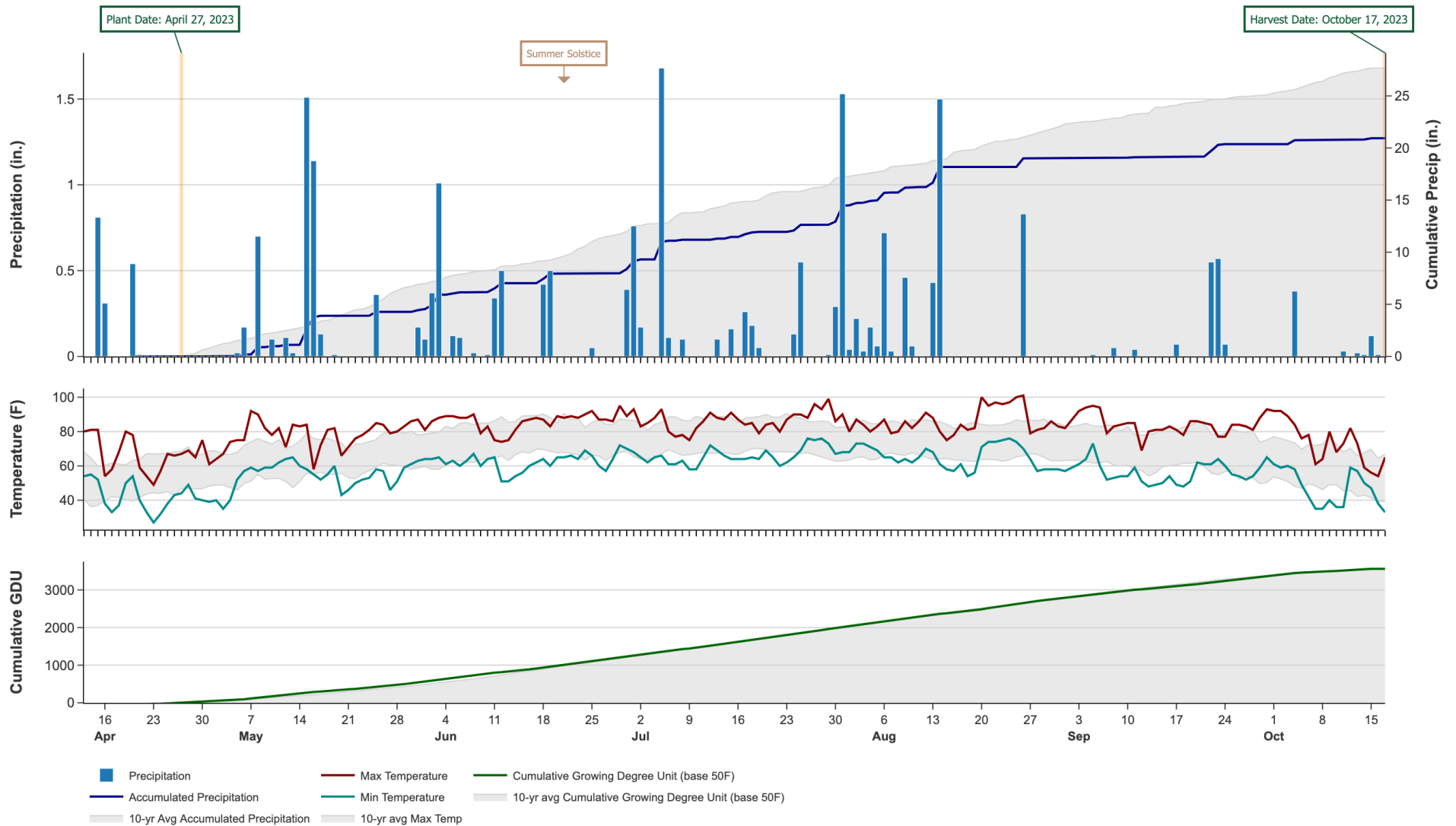
Additional reports available at [www.firstseedtests.com](http://www.firstseedtests.com)

# 2023 Soybeans - Missouri North [ MONO ]

## Weather Conditions Summary at ST. JOSEPH, MO

Weather Data Retrieved: 10/18/2023

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   (Diff)	1.7   2.2 (-0.5)	4.4   6.3 (-1.8)	3.9   5.1 (-1.1)	6.1   5.2 (+0.8)	4.5   4.8 (-0.2)	1.4   3.1 (-1.7)	0.6   2.6 (-2.0)	22.6   29.2 (-6.6)
GDU   Avg (Diff)	150   126 (+23)	514   439 (+74)	698   742 (-44)	775   810 (-35)	754   767 (-13)	590   593 (-3)	202   183 (+18)	3683   3664 (+18)



\* 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.

## 2023 Soybeans - Missouri North [ MONO ]

### All-Season Test Products (63 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
AgVenture	AV 34Y9E	E3	R	3.4	Lum,Lu,IL
AgVenture	AV 38A1E	E3	MR	3.8	Lum,Lu,Lud,IL
AgVenture	AV 39Y3E	E3	MR	3.9	F,I,SA
AgVenture	AV 41Y5E	E3	MR	4.1	F,I,SA
AgVenture	AV 42A1E	E3	MR	4.2	Lum,Lu,Lud,IL
Apex	AE3920	E3	R	3.9	N-COMP+
Apex	AE4120	E3	R	4.1	N-COMP+
Asgrow	AG33XF3 §	RXF	R	3.3	ACi,IL
Asgrow	AG35XF3 GC	RXF	R	3.5	ACi,IL
Asgrow	AG3623XF GC	RXF	R	3.6	ACi,IL
Asgrow	AG39XF3 §	RXF	R	3.9	ACi,IL
Asgrow	AG40XF1 §	RXF,ST	R	4.0	ACi,IL
Burrus	3886F	RXF	R	3.8	BPS-SDS
Burrus	3966E	E3	R	3.9	BPS-SDS
DONMARIO	DM34E11	E3	R	3.4	BPS-SDS
DONMARIO	DM36F84S	RXF,ST	R	3.6	CMB-APX,SA
DONMARIO	DM40E44	E3	R	4.0	CMB-APX,SA
Dyna-Gro	S35XF44	RXF	R	3.5	EQ,VA,Sa
Dyna-Gro	S37ES52	E3,ST	R	3.7	EQV,Sa,Va
Dyna-Gro	S38XF22S	RXF,ST	MR	3.8	EQV,Sa,Va
Dyna-Gro	S40XF21S	RXF,ST	R	4.0	EQ,VA,Sa
Dyna-Gro	S41EN72	E3	R	4.1	EQV,Sa,Va
FS HiSOY	HS 34F30	RXF	R	3.4	ACi,SA
FS HiSOY	HS 35E10	E3	R	3.5	ACi,SA
FS HiSOY	HS 38E20	E3,ST	R	3.8	ACi,SA
FS HiSOY	HS 39F30	RXF	R	3.9	ACi,SA
FS HiSOY	HS 41E20	E3	R	4.1	ACi,SA
FS HiSOY	HS 41F30	RXF,ST	R	4.1	ACi,SA
FS HiSOY	HS 42F10	RXF	R	4.2	ACi,SA
FS HiSOY	HS 43E30	E3,ST	R	4.3	ACi,SA
Golden Harvest	GH3774E3 §	E3	R	3.7	CMB-APX,SA
Golden Harvest	GH3994E3 §	E3	MR	3.9	CMB-APX,SA
Golden Harvest	GH4093E3	E3	R	4.0	CMB-APX,SA
Golden Harvest	GH4214E3S	E3,ST	MR	4.2	CMB-APX,SA
Hoegemeyer	3894 E	E3	R	3.8	Lum,Lu,IL
Hoegemeyer	4234 E	E3	R	4.2	Lum,Lu,IL
Lewis	3513XF	RXF	R	3.5	ACi,IL
Lewis	3834XF	RXF	R	3.8	ACi,IL
Lewis	4035XF	RXF	R	4.0	ACi,IL
Lewis	4304XF	RXF	R	4.3	ACi,IL
NK Brand	NK37-C1E3 §	E3	R	3.7	CMB-APX,SA
NK Brand	NK39-J2E3	E3	MR	3.9	CMB-APX,SA

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
NuTech	33N04E	E3	R	3.3	Lum,Lu,IL
NuTech	34N02E	E3	R	3.4	Lum,Lu,IL
NuTech	36N04E	E3	R	3.6	Lum,Lu,IL
NuTech	37N03E	E3	R	3.7	Lum,Lu,IL
NuTech	39N07E	E3	R	3.9	Lum,Lu,IL
NuTech	42N05E	E3	R	4.2	Lum,Lu,IL
Pioneer	P37A18E §	E3	MR	3.7	NA
Pioneer	P38A54E §	E3	NA	3.8	NA
Pioneer	P42A84E §	E3	R	4.2	NA
ProHarvest	39E40S	E3,ST	R	3.9	PU
Stine	37EG23 §	E3	R	3.7	ACi
Stine	37FD02 §	RXF	R	3.7	ACi
Stine	40FD29 §	RXF	R	4.0	ACi
Xitavo	XO 3483E	E3	MR	3.4	PV,IL,OB,Rey
Xitavo	XO 3651E	E3	R	3.6	PV,IL,OB,Rey
Xitavo	XO 3752E	E3,ST	R	3.7	PV,IL,OB,Rey
Xitavo	XO 3803E	E3,ST	MR	3.8	PV,IL,OB,Rey
Xitavo	XO 3922E	E3	R	3.9	PV,IL,OB,Rey
Xitavo	XO 4084E	E3,ST	R	4.0	PV,IL,OB,Rey
Xitavo	XO 4132E	E3	R	4.1	PV,IL,OB,Rey
Xitavo	XO 4364E	E3,ST	R	4.3	PV,IL,OB,Rey

## Footnotes and Abbreviations Descriptions

### Brand Footnotes

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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

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S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

### Soybeans Technologies

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E3	Enlist E3®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

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### Soybeans Seed Treatments\*

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NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
ACi,SA	Acceleron® Standard Insecticide-Fungicide, Saltro®
BPS-SDS	Burrus PowerShield® SDS
CMB-APX,SA	CruiserMaxx® APX with Saltro®
EQ,VA,Sa	Equity VAYO, Saltro®
EQV,Sa,Va	Equity VIP, Saltro®, Vayantis®
F,I,SA	Fungicide, Insecticide, Saltro®
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Lum,Lu,Lud,IL	LumiGEN™, Luminesa, Lumiderm, ILeVO
N-COMP+	N-COMPASS F/I SDS-WM
PU	Protect Ultra
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®

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\* Seed treatments may include unspecified plant health promoting components.