

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

## 2023 Soybeans Top 30 Harvest Report

Missouri Central [MOCE] PERRY, MO  
Scott & Mark Hodges, Ralls County, MO

<b>All-Season Test</b>	Maturity Group <b>3.5 - 4.5</b> S2023MOCE03
<b>Top 30 of 63</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Fulltime Nxt, Callisto
<b>SOIL DESCRIPTION:</b>	Putman silt loam, mod. poorly drained, non-irrigated
<b>SOIL CONDITION:</b>	high P, high K, 6.2 pH, 2.3% OM, 13.0 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Anthem Maxx, Roundup, Liberty, Clethodim
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	Apr 24 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 10 127.8 /A

### TEST COMMENTS:

*This Ralls-Audrain County line site is quite representative of east central Missouri. April planting conditions were excellent, and caught the front edge of a 3-week warming trend. There was much below-average rainfall until the 6" that fell in August. Plants stood 18"-30" with no lodging. There was a fair bit of green stem that was variety-specific. Yet, the pods were all mature and dry. Very good uniform trial.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Xitavo	XO 3922E ↗	E3	3.9	R	<b>58.8</b>	10.8	1	141.3	764	1
Golden Harvest	GH4093E3 § ↗	E3	4.0	R	<b>57.9</b>	10.9	1	124.0	753	2
Lewis	4304XF ↗	RXF	4.3	R	<b>57.4</b>	10.9	1	133.7	746	3
Golden Harvest	GH4214E3S ↗	E3,ST	4.2	MR	<b>57.2</b>	11.2	1	124.0	744	4
FS HiSOY	HS 43E30 ↗	E3,ST	4.3	R	<b>57.1</b>	10.6	1	120.0	742	5
Pioneer	P42A84E § ↗	E3	4.2	R	<b>57.1</b>	10.7	1	124.0	742	6
AgVenture	AV 45Y8E ↗	E3	4.5	MR	<b>57.0</b>	10.7	1	124.0	741	7
Xitavo	XO 4132E ↗	E3	4.1	R	<b>56.9</b>	11.0	1	126.0	740	8
FS HiSOY	HS 38E20 ↗	E3,ST	3.8	R	<b>56.9</b>	10.9	1	120.0	740	9
NK Brand	NK42-A6E3S § ↗	E3,ST	4.2	MR	<b>56.6</b>	10.9	1	125.7	736	10
Xitavo	XO 4364E ↗	E3,ST	4.3	R	<b>56.3</b>	10.7	1	128.0	732	11
Asgrow	AG3623XF GC ↗	RXF	3.6	R	<b>56.2</b>	10.9	1	135.7	731	12
Dyna-Gro	S42XF93S ↗	RXF,ST	4.2	MR	55.8	10.8	1	131.7	725	13
AgVenture	AV 38A1E ↗	E3	3.8	MR	55.5	10.5	1	130.0	722	14
Dyna-Gro	S40EN54 ↗	E3	4.0	R	55.4	10.8	1	118.0	720	15
Mustang	39ES823 ↗	E3,ST	3.9	MR	55.3	10.9	1	127.7	719	16
Burrus	4365E ↗	E3	4.3	MR	55.3	10.5	1	131.7	719	17
Golden Harvest	GH4433E3S ↗	E3,ST	4.4	MR	55.1	11.1	1	127.7	716	18
NuTech	37N03E ↗	E3	3.7	R	55.0	10.7	1	131.7	715	19
FS HiSOY	HS 40E30 ↗	E3	4.0	R	55.0	10.8	1	132.0	715	20
Mustang	41E324 ↗	E3	4.1	R	55.0	10.9	1	129.7	715	21
Xitavo	XO 3803E ↗	E3,ST	3.8	MR	54.9	11.2	1	131.7	714	22
FS HiSOY	HS 41F30 ↗	RXF,ST	4.1	R	54.8	10.7	1	124.0	712	23
Xitavo	XO 4084E ↗	E3,ST	4.0	R	54.6	10.9	1	137.3	710	24
AgVenture	AV 42A1E ↗	E3	4.2	MR	54.3	11.0	1	132.0	706	25
Dyna-Gro	S41EN72 ↗	E3	4.1	R	53.9	10.8	1	141.0	701	26
NuTech	42N05E ↗	E3	4.2	R	53.8	10.9	1	122.3	699	27
Golden Harvest	GH3994E3 ↗	E3	3.9	MR	53.8	10.6	1	137.3	699	28
Lewis	3834XF ↗	RXF	3.8	R	53.7	10.8	1	126.0	698	29
NuTech	45N09E ↗	E3	4.5	R	53.7	10.9	1	114.7	698	30

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Averages = **53.1** **10.8** **1** **127.8** **690**

LSD (0.10) = 3.0 ns ns

LSD (0.25) = 1.6 ns ns

C.V. = 5.4

Historic yield: 60.28 bu/a, 5 yr(s)

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

Report Date: 10/11/2023

† 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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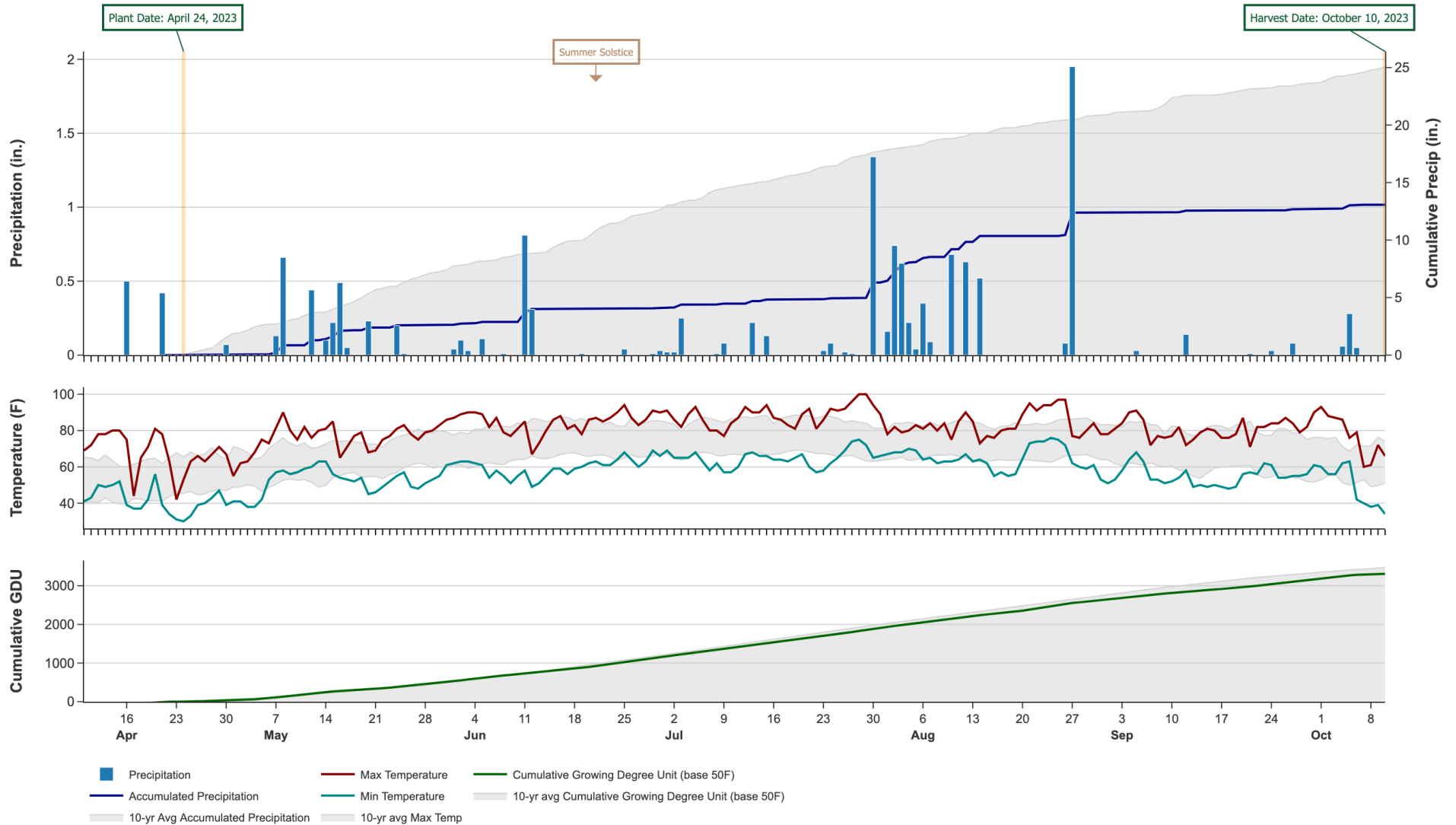
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# 2023 Soybeans - Missouri Central [ MOCE ]

## Weather Conditions Summary at PERRY, MO

Weather Data Retrieved: 10/11/2023

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   (Diff)	1.0   3.4 (-2.4)	2.5   5.9 (-3.3)	1.5   5.2 (-3.7)	2.2   5.1 (-2.9)	6.1   3.1 (+2.9)	0.3   2.8 (-2.5)	0.4   1.4 (-1.0)	14.0   26.9 (-13.0)
GDU   Avg (Diff)	184   144 (+39)	462   434 (+27)	644   719 (-75)	764   798 (-34)	716   752 (-36)	532   586 (-54)	147   126 (+20)	3449   3562 (-113)



\* 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 Central [ MOCE ]

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

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
AgVenture	AV 38A1E	E3	MR	3.8	Lum,Lu,Lud,IL
AgVenture	AV 39Y3E	E3	MR	3.9	ASfi,SA
AgVenture	AV 41Y5E	E3	MR	4.1	F,I,SA
AgVenture	AV 42A1E	E3	MR	4.2	Lum,Lu,Lud,IL
AgVenture	AV 45Y8E	E3	MR	4.5	Lum,Lu,Lud,IL
Asgrow	AG33XF3 GC	RXF	R	3.3	ACi,IL
Asgrow	AG35XF1 §	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	3966E	E3	R	3.9	BPS-SDS
Burrus	4365E	E3	MR	4.3	BPS-SDS
DONMARIO	DM36F84S	RXF,ST	R	3.6	CMB-APX,SA
DONMARIO	DM40E44	E3	R	4.0	CMB-APX,SA
Dyna-Gro	S37ES52	E3,ST	R	3.7	EQV,Sa,Va
Dyna-Gro	S40EN54	E3	R	4.0	EQ,VA,Sa
Dyna-Gro	S40XF21S	RXF,ST	R	4.0	EQ,VA,Sa
Dyna-Gro	S41EN72	E3	R	4.1	EQV,Sa,Va
Dyna-Gro	S42XF93S	RXF,ST	MR	4.2	EQV,Sa,Va
FS HiSOY	HS 37E10	E3,ST	R	3.7	ACi,SA
FS HiSOY	HS 38E20	E3,ST	R	3.8	ACi,SA
FS HiSOY	HS 39E10	E3	R	3.9	ACi,SA
FS HiSOY	HS 40E30	E3	R	4.0	ACi,SA
FS HiSOY	HS 41F30	RXF,ST	R	4.1	ACi,SA
FS HiSOY	HS 42E10	E3,ST	R	4.2	ACi,SA
FS HiSOY	HS 43E30	E3,ST	R	4.3	ACi,SA
FS HiSOY	HS 44F30	RXF,ST	R	4.4	ACi,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
Golden Harvest	GH4433E3S	E3,ST	MR	4.4	CMB-APX,SA
Lewis	3834XF	RXF	R	3.8	ACi,IL
Lewis	4211XF	RXF,ST	R	4.2	ACi,IL
Lewis	4304XF	RXF	R	4.3	ACi,IL
Lewis	4533XF	RXF	R	4.5	ACi
Mustang	39ES823	E3,ST	MR	3.9	Edge-SST
Mustang	4122XFS	RXF,ST	MR	4.1	Edge-SST
Mustang	41E324	E3	R	4.1	Edge-SST
Mustang	4260E3S	E3,ST	MR	4.2	Edge-SST
Mustang	XF38623	RXF,ST	MR	3.8	Edge-SST
Mustang	XF39123	RXF,ST	R	3.9	Edge-SST
NK Brand	NK40-P5E3 §	E3	R	4.0	CMB-APX,SA

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
NK Brand	NK42-A6E3S §	E3,ST	MR	4.2	CMB-APX,SA
NuTech	34N02E GC	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
NuTech	45N09E	E3	R	4.5	Lum,Lu,IL
Pioneer	P37A18E §	E3	MR	3.7	NA
Pioneer	P38A54E §	E3	NA	3.8	NA
Pioneer	P42A84E §	E3	R	4.2	NA
Stine	37FD02 §	RXF	R	3.7	ACi
Stine	38EG32 §	E3	R	3.8	ACi
Stine	40FD29 §	RXF	R	4.0	ACi
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
Xitavo	XO 4522E	E3	R	4.5	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, Salto®
ASfi,SA	AgriShield Max with Salto®
BPS-SDS	Burrus PowerShield® SDS
CMB-APX,SA	CruiserMaxx® APX with Salto®
Edge-SST	Cruiser®, Apron XL®, Maxim®, Dynasty®, Mertect®, Optimize®, Salto® (Midland Genetics)
EQ,VA,Sa	Equity VAYO, Salto®
EQV,Sa,Va	Equity VIP, Salto®, Vayantis®
F,I,SA	Fungicide, Insecticide, Salto®
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Lum,Lu,Lud,IL	LumiGEN™, Luminesa, Lumiderm, ILeVO
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®

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