

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

## 2023 Soybeans Top 30 Harvest Report

Missouri Central [MOCE] SWEET SPRINGS, MO  
Bruce Strobel, Johnson County, MO 64020

<b>All-Season Test</b>	Maturity Group <b>3.5 - 4.5</b> S2023MOCE01
<b>Top 30 of 63</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn, Rye Cover Crop / Atrazine, Mustang Max, Stalwart 3w, Autumn Super
<b>SOIL DESCRIPTION:</b>	Haig silt loam, mod. poorly drained, irrigated
<b>SOIL CONDITION:</b>	very high P, high K, 6.2 pH, 2.6% OM, 14.5 CEC
<b>TILLAGE/CULTIVATION:</b>	No-Till
<b>PEST MANAGEMENT:</b>	Anthem Maxx, Liberty, Roundup
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDING - RATE - ROW:</b>	Apr 25 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 12 131.8 /A

### TEST COMMENTS:

*This plot was planted in April in very good soil conditions. Good and even stand emergence, and plants filled in quickly. Drought conditions set in early and lasted longer than any other FIRST site in Missouri. On June 6 this area entered D3, extreme drought – staying there all season – and still is at harvest. The trial was irrigated. By harvest, most plants stood around 36" to 48" tall and there was some lodging. The seed size was very small. Results are a great look at yield potential in an irrigated environment during a drought.*

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Asgrow	AG39XF3 § ↗	RXF	3.9	R	<b>61.4</b>	10.8	1	127.7	798	1
FS HiSOY	HS 37E10 ↗	E3,ST	3.7	R	<b>59.2</b>	10.9	1	137.3	770	2
Pioneer	P37A18E § ↗	E3	3.7	MR	<b>59.0</b>	10.6	1	131.7	767	3
AgVenture	AV 38A1E ↗	E3	3.8	MR	<b>58.9</b>	10.2	2	135.7	766	4
NuTech	37N03E ↗	E3	3.7	R	<b>58.1</b>	10.3	1	132.0	755	5
NuTech	36N04E ↗	E3	3.6	R	<b>57.8</b>	10.6	1	133.7	751	6
NuTech	45N09E ↗	E3	4.5	R	<b>57.4</b>	10.5	2	129.7	746	7
Lewis	3834XF ↗	RXF	3.8	R	<b>57.4</b>	10.7	3	131.7	746	8
Dyna-Gro	S37ES52 ↗	E3,ST	3.7	R	<b>57.2</b>	10.7	2	131.7	744	9
AgVenture	AV 41Y5E ↗	E3	4.1	MR	<b>56.9</b>	10.3	15	133.3	740	10
NuTech	34N02E GC ↗	E3	3.4	R	<b>56.8</b>	10.6	1	137.7	738	11
Asgrow	AG3623XF GC ↗	RXF	3.6	R	<b>56.6</b>	10.6	2	128.0	736	12
Xitavo	XO 4522E ↗	E3	4.5	R	<b>56.6</b>	10.8	1	126.0	736	13
Burrus	3966E ↗	E3	3.9	R	56.5	10.6	1	124.0	734	14
Asgrow	AG33XF3 GC ↗	RXF	3.3	R	56.3	10.4	1	131.7	732	15
AgVenture	AV 45Y8E ↗	E3	4.5	MR	56.1	10.4	6	128.0	729	16
Golden Harvest	GH4093E3 § ↗	E3	4.0	R	56.0	10.8	2	132.0	728	17
FS HiSOY	HS 41F30 ↗	RXF,ST	4.1	R	55.1	10.8	7	133.3	716	18
Asgrow	AG40XF1 § ↗	RXF,ST	4.0	R	55.1	10.7	4	133.7	716	19
Xitavo	XO 3651E ↗	E3	3.6	R	55.0	10.8	1	128.0	715	20
Stine	40FD29 § ↗	RXF	4.0	R	55.0	10.9	4	126.0	715	21
FS HiSOY	HS 42E10 ↗	E3,ST	4.2	R	54.8	10.4	3	131.7	712	22
DONMARIO	DM36F84S ↗	RXF,ST	3.6	R	54.5	10.7	2	116.0	708	23
Lewis	4304XF ↗	RXF	4.3	R	54.4	10.9	2	124.0	707	24
Xitavo	XO 4132E ↗	E3	4.1	R	54.3	11.0	9	131.7	706	25
Xitavo	XO 3803E ↗	E3,ST	3.8	MR	54.3	11.1	10	137.3	706	26
FS HiSOY	HS 43E30 ↗	E3,ST	4.3	R	54.2	10.7	7	137.7	705	27
Xitavo	XO 3922E ↗	E3	3.9	R	53.9	10.6	3	131.7	701	28
Mustang	39ES823 ↗	E3,ST	3.9	MR	53.9	11.0	8	139.3	701	29
Xitavo	XO 3752E ↗	E3,ST	3.7	R	53.8	10.8	1	129.3	699	30

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Averages = **53.5** **10.7** **6** **131.8** **696**

LSD (0.10) = 3.1 0.2 6

LSD (0.25) = 1.6 0.1 3

C.V. = 5.5

Historic yield: 55.06 bu/a, 4 yr(s)

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

Report Date: 10/16/2023

† 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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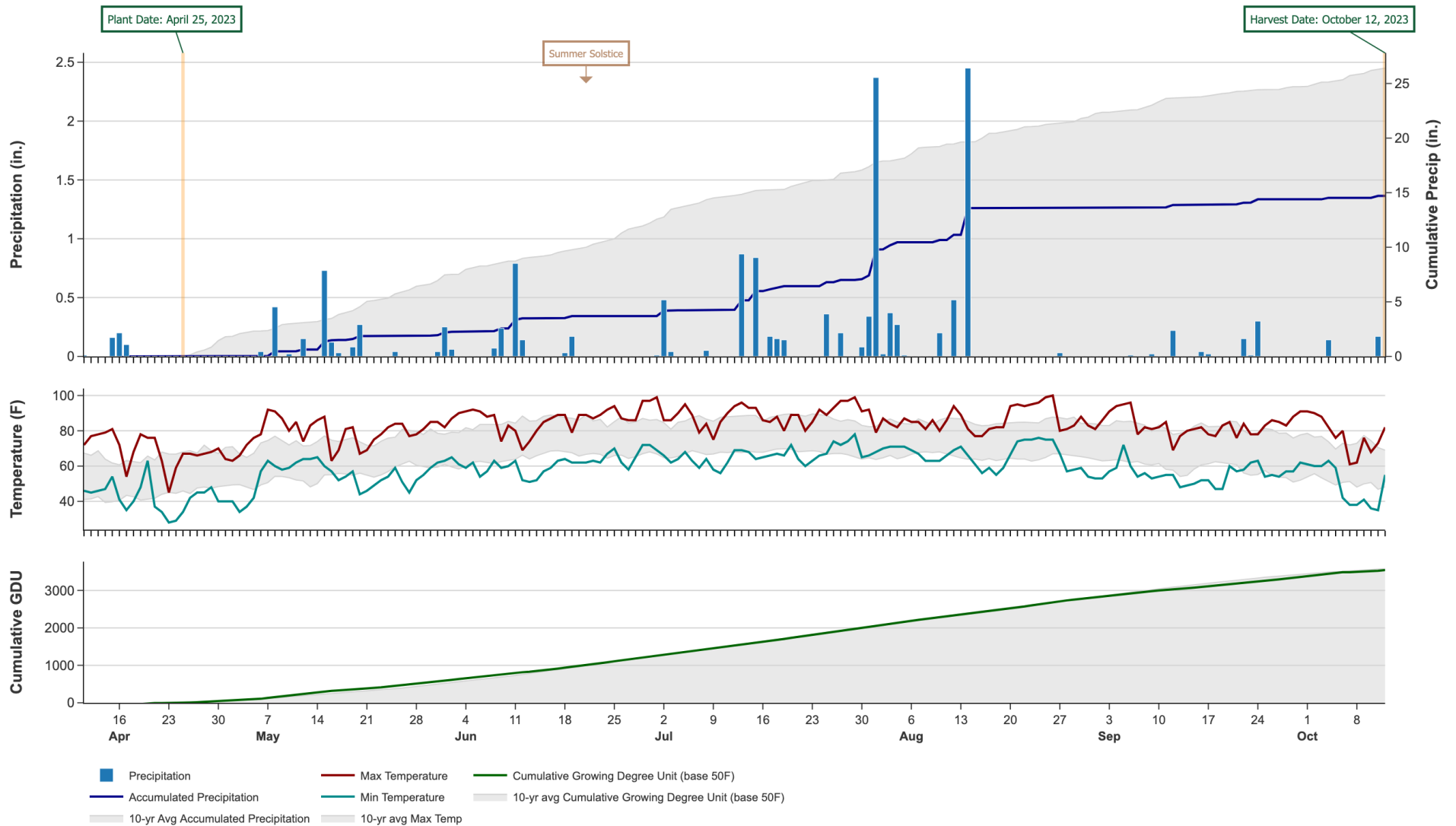
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# 2023 Soybeans - Missouri Central [ MOCE ]

## Weather Conditions Summary at SWEET SPRINGS, MO

Weather Data Retrieved: 10/16/2023

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   (Diff)	0.5   3.1 (-2.7)	1.9   5.5 (-3.6)	1.8   5.3 (-3.5)	3.7   5.2 (-1.4)	6.2   4.5 (+1.7)	0.8   2.8 (-2.0)	0.3   1.7 (-1.4)	15.2   28.1 (-12.9)
GDU   Avg (Diff)	190   159 (+30)	518   446 (+71)	676   734 (-58)	788   818 (-30)	768   775 (-7)	565   606 (-41)	182   150 (+31)	3687   3692 (-5)



\* 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.