

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

## 2024 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> S2024MOCE03
<b>Top 30 of 61</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Fulltime Nxt, Callisto
<b>SOIL DESCRIPTION:</b>	Mexico silt loam, mod. poorly drained, non-irrigated
<b>SOIL CONDITION:</b>	high P, medium K, 6.1 pH, 2.5% OM, 11.5 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>	May 22 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 9 119.4 /A

### TEST COMMENTS:

Great soil planting conditions in this uniform stale seedbed. The plot is located on the Ralls-Audrain County line, and is very representative of many East-Central Missouri fields. Good stands were established. July showed a location receiving plentiful rainfall, well-spaced out, and with great yield potential. Then the spigot turned off – likely taking some yield off the table. A good trial.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Mustang	39ES925 ↗	E3,ST	3.9	M	<b>61.7</b>	9.0	1	126.0	585	1
FS HiSOY	HS 41E40 ↗	E3,ST	4.1	M	<b>60.2</b>	9.0	1	122.0	571	2
NuTech	39N08E ↗	E3	3.9	PK	<b>59.2</b>	9.0	2	129.7	561	3
NuTech	42N05E ↗	E3	4.2	M	<b>59.2</b>	9.0	2	126.0	561	4
NuTech	35N05E ↗	E3	3.5	PK	<b>58.5</b>	9.2	2	108.3	555	5
AgVenture	AV39B2E ↗	E3	3.9	PK	<b>58.4</b>	9.1	2	118.3	554	6
Pioneer	P34A98E § ↗	E3	3.4	R	<b>58.2</b>	9.1	1	122.0	552	7
NuTech	37N03E ↗	E3	3.7	M	<b>57.7</b>	9.2	2	131.7	547	8
AgVenture	AV42A1E ↗	E3	4.2	M	<b>57.0</b>	9.1	5	129.7	540	9
Burrus	3966E ↗	E3	3.9	M	<b>56.6</b>	9.1	2	118.3	537	10
Stine	42EG23 § ↗	E3	4.2	M	<b>56.4</b>	9.3	2	129.7	535	11
Burrus	3767E ↗	E3	3.7	M	56.0	9.1	9	110.3	531	12
AgVenture	AV43B2BE ↗	E3,ST	4.3	M	55.8	9.0	1	126.0	529	13
Golden Harvest	GH3774E3 ↗	E3	3.7	M	55.6	9.1	2	114.0	527	14
NuTech	36N06E ↗	E3	3.6	M	55.3	9.0	1	110.7	524	15
Mustang	41E324 ↗	E3	4.1	M	55.2	8.9	1	118.0	523	16
NK Brand	NK39-J2E3 § ↗	E3	3.9	M	55.0	9.1	2	112.3	521	17
FS HiSOY	HS 39E40 ↗	E3,ST	3.9	M	54.9	9.1	1	110.0	520	18
Pioneer	P42A84E § ↗	E3	4.2	R	54.9	9.1	2	124.0	520	19
Xitavo	XO 3655E ↗	E3,ST	3.6	M	54.6	9.2	2	118.0	518	20
NK Brand	NK40-P5E3 § ↗	E3	4.0	M	54.5	9.1	2	126.0	517	21
Xitavo	XO 4255E ↗	E3,ST	4.2	M	54.3	9.1	2	118.0	515	22
FS HiSOY	HS 36F40 ↗	RXF	3.6	M	54.2	9.2	3	120.3	514	23
Golden Harvest	GH4093E3 ↗	E3	4.0	M	54.2	9.2	4	104.7	514	24
FS HiSOY	HS 37E40 ↗	E3	3.7	M	53.5	9.0	1	118.3	507	25
Stine	37EG23 § ↗	E3	3.7	M	53.5	9.4	9	122.0	507	26
Burrus	4134E ↗	E3,ST	4.1	M	53.4	8.9	4	118.3	506	27
DONMARIO	DM36E94 ↗	E3	3.6	M	53.3	9.1	2	118.0	505	28
Stine	35EG92 § ↗	E3	3.5	M	53.2	9.4	2	108.3	504	29
Pioneer	P37A18E § ↗	E3	3.7	MR	53.1	9.1	1	126.0	503	30

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Averages = **52.8** **9.1** **3** **119.4** **500**

LSD (0.10) = 3.7 0.2 3

LSD (0.25) = 1.9 0.1 1

C.V. = 6.6

Historic yield: 58.89 bu/a, 6 yr(s)

### Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.00

Prices: GMO = \$9.48

Report Date: 10/10/2024

† 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](http://www.firstseedtests.com)

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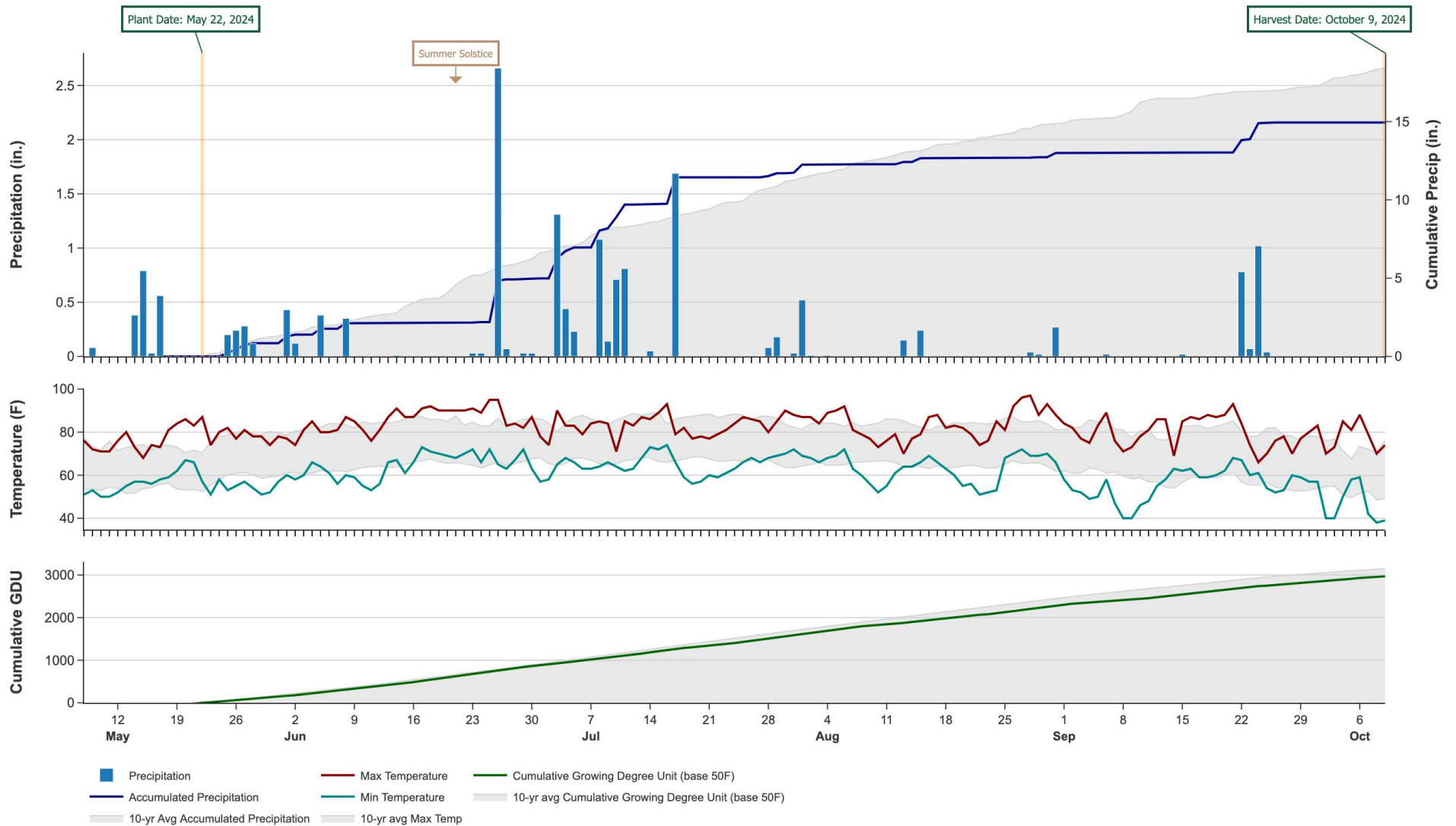
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# 2024 Soybeans - Missouri Central [ MOCE ]

## Weather Conditions Summary at PERRY, MO

Weather Data Retrieved: 10/10/2024

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   (Diff)	2.7   4.4 (-1.7)	4.1   5.0 (-0.8)	6.8   5.0 (+1.7)	1.3   3.6 (-2.4)	1.9   2.3 (-0.4)	0.0   1.2 (-1.2)	16.8   21.5 (-4.7)
GDU   Avg (Diff)	397   371 (+25)	718   721 (-3)	728   803 (-75)	698   754 (-56)	543   581 (-38)	138   115 (+22)	3222   3347 (-125)



\* 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.

## 2024 Soybeans - Missouri Central [ MOCE ]

### All-Season Test Products (61 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
AgVenture	AV39B2E	E3	PK	3.9	Lum, LumT, IL
AgVenture	AV41Y5E	E3	M	4.1	Lum, LumT, IL
AgVenture	AV42A1E	E3	M	4.2	CMB-APX,SA
AgVenture	AV43B2BE	E3,ST	M	4.3	Lum, LumT, IL
AgVenture	AV44B2E	E3	M	4.4	Lum, LumT, IL
Asgrow	AG38XF3 §	RXF	R	3.8	ACi,IL
Asgrow	AG42XF4 §	RXF,ST	R	4.2	ACi,IL
Asgrow	AG44XF4 §	RXF,ST	R	4.4	ACi,IL
Burrus	3647F	RXF	M	3.6	BPS-SDS
Burrus	3767E	E3	M	3.7	BPS-SDS
Burrus	3966E	E3	M	3.9	BPS-SDS
Burrus	4134E	E3,ST	M	4.1	BPS-SDS
Burrus	4365E	E3,ST	M	4.3	BPS-SDS
DONMARIO	DM36E94	E3	M	3.6	F,I,B
DONMARIO	DM36F84S	RXF,ST	M	3.6	F,I,B
DONMARIO	DM38E54	E3	M	3.8	F,I,B
Dyna-Gro	S38EN75	E3	M	3.8	PLTM
Dyna-Gro	S41XF65	RXF	M	4.1	PLTM
FS HiSOY	HS 36E40	E3,ST	M	3.6	ACi,SA
FS HiSOY	HS 36F40	RXF	M	3.6	ACi,SA
FS HiSOY	HS 37E40	E3	M	3.7	ACi,SA
FS HiSOY	HS 39E40	E3,ST	M	3.9	F,I,NE
FS HiSOY	HS 39F30	RXF	M	3.9	F,I,NE
FS HiSOY	HS 41E40	E3,ST	M	4.1	F,I,NE
FS HiSOY	HS 42E40	E3	M	4.2	F,I,NE
FS HiSOY	HS 44E40	E3	M	4.4	F,I,NE
Golden Harvest	GH3774E3	E3	M	3.7	CMB-APX,SA
Golden Harvest	GH4093E3	E3	M	4.0	CMB-APX,SA
Golden Harvest	GH4214E3S	E3,ST	M	4.2	CMB-APX,SA
Golden Harvest	GH4433E3S	E3,ST	M	4.4	CMB-APX,SA
Great Heart	GT-3967XF	RXF	R	3.9	Gr+
Great Heart	GT-3972E	E3	R	3.9	Gr+
Great Heart	GT-4320ES	E3,ST	R	4.3	Gr+
Great Heart	GT-4460XF	RXF	R	4.4	Gr+
Mustang	38E825	E3	M	3.8	CMB-APX,SA
Mustang	39ES925	E3,ST	M	3.9	CMB-APX,SA
Mustang	41E324	E3	M	4.1	CMB-APX,SA
Mustang	XF38725	RXF	M	3.8	CMB-APX,SA
Mustang	XF42724	RXF	M	4.2	CMB-APX,SA
NK Brand	NK39-J2E3 §	E3	M	3.9	CMB-APX,SA
NK Brand	NK40-P5E3 §	E3	M	4.0	CMB-APX,SA
NK Brand	NK42-A6E3S §	E3,ST	M	4.2	CMB-APX,SA

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
NK Brand	NK44-Q5E3S	E3,ST	M	4.4	CMB-APX,SA
NuTech	35N05E	E3	PK	3.5	Lum, LumT, IL
NuTech	36N06E	E3	M	3.6	Lum, LumT, IL
NuTech	37N03E	E3	M	3.7	Lum, LumT, IL
NuTech	38N05E	E3	M	3.8	Lum, LumT, IL
NuTech	39N08E	E3	PK	3.9	Lum, LumT, IL
NuTech	42N05E	E3	M	4.2	Lum, LumT, IL
NuTech	43N06E	E3	M	4.3	Lum, LumT, IL
NuTech	45N10E	E3	M	4.5	Lum, LumT, IL
Pioneer	P34A98E §	E3	R	3.4	Lum, LumT, IL
Pioneer	P37A18E §	E3	MR	3.7	Lum, LumT, IL
Pioneer	P42A84E §	E3	R	4.2	Lum, LumT, IL
Stine	35EG92 §	E3	M	3.5	TFX1,SA
Stine	37EG23 §	E3	M	3.7	TFX1,SA
Stine	42EG23 §	E3	M	4.2	TFX1,SA
Xitavo	XO 3655E	E3,ST	M	3.6	PV,IL,OB,Rey
Xitavo	XO 3705E	E3	M	3.7	PV,IL,OB,Rey
Xitavo	XO 3855E	E3,ST	M	3.8	PV,IL,OB,Rey
Xitavo	XO 4255E	E3,ST	M	4.2	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 Source or Rating

Note: Source of SCN resistance used when available, otherwise older susceptibility ratings are reported.

M	PI 88788 (MR)
PK	Peking (R)
H	Hartwig (R)
B	Blend (PK + M)
MR	moderate resistance
R	resistant
S	susceptible
NA	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,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®
F,I,B	Fungicide, Insecticide, Biological
F,I,NE	Fungicide, Insecticide, Nematicide
Gr+	Great Start Max Plus (Great Heart Seed)
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PLTM	DynaGro PLTM
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
TFX1,SA	Stine MyYield, Saltro

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