

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

## 2024 Soybeans Top 30 Harvest Report

Missouri Central [MOCE] NEW FRANKLIN, MO


Randy & Danny Kircher, Howard County, MO 65274

<b>All-Season Test</b>	Maturity Group <b>3.5 - 4.5</b> S2024MOCE02
<b>Top 30 of 61</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Degree Xtra, Atrazine, Glyphosate
<b>SOIL DESCRIPTION:</b>	Lowmo silt loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, very high K, 7.7 pH, 1.8% OM, 13.8 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/ Fall Till
<b>PEST MANAGEMENT:</b>	Zidua, Liberty, Roundup, Clethodim
<b>Applied N-P-K (units):</b>	3-0-0
<b>SEEDED - RATE - ROW:</b>	May 20 140.0 /A 30" spacing
<b>HARVESTED - STAND:</b>	Oct 20 117.8 /A

### TEST COMMENTS:

We had ideal planting conditions within 24 hours of Danny planting the surrounding field. Soil temperatures, soil moisture levels, forecasted and actual weather after planting facilitated a great start. Surplus rainfall through the first week of July here appeared to carry the plot needs for the remainder of the growing season. There was a dry bias during the last half of summer. Vegetative growth was tremendous. A killing frost aided with dry down and harvest ease for some sporadic green plants. A great river bottom trial.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
AgVenture	AV42A1E ↗	E3	4.2	M	<b>85.4</b>	8.7	4	110.5	809	1
Great Heart	GT-3967XF ↗	RXF	3.9	R	<b>84.1</b>	8.7	34	118.0	797	2
NuTech	43N06E ↗	E3	4.3	M	<b>81.2</b>	8.8	4	118.0	770	3
Pioneer	P34A98E § ↗	E3	3.4	R	<b>80.2</b>	8.6	2	130.0	760	4
AgVenture	AV43B2BE ↗	E3,ST	4.3	M	<b>80.1</b>	8.6	1	122.0	759	5
FS HiSOY	HS 39E40 ↗	E3,ST	3.9	M	<b>80.0</b>	8.7	1	116.0	758	6
NuTech	36N06E ↗	E3	3.6	M	78.8	9.0	6	120.0	747	7
Mustang	38E825 ↗	E3	3.8	M	78.8	8.7	4	114.3	747	8
NK Brand	NK42-A6E3S § ↗	E3,ST	4.2	M	78.6	8.9	17	110.7	745	9
Mustang	41E324 ↗	E3	4.1	M	78.6	8.8	14	124.0	745	10
NuTech	42N05E ↗	E3	4.2	M	78.5	8.7	7	126.0	744	11
Burrus	4134E ↗	E3,ST	4.1	M	78.4	8.8	1	118.0	743	12
Golden Harvest	GH4093E3 ↗	E3	4.0	M	78.2	8.7	6	112.3	741	13
Xitavo	XO 3855E ↗	E3,ST	3.8	M	77.9	8.9	6	132.0	738	14
Mustang	39ES925 ↗	E3,ST	3.9	M	77.7	8.7	1	108.7	737	15
Golden Harvest	GH3774E3 ↗	E3	3.7	M	77.7	8.8	6	118.3	737	16
FS HiSOY	HS 37E40 ↗	E3	3.7	M	77.3	8.9	5	112.0	733	17
FS HiSOY	HS 36F40 ↗	RXF	3.6	M	77.2	8.7	10	128.0	732	18
NK Brand	NK44-Q5E3S ↗	E3,ST	4.4	M	77.2	8.8	14	120.3	732	19
Burrus	3647F ↗	RXF	3.6	M	77.2	8.8	3	112.3	732	20
Dyna-Gro	S38EN75 ↗	E3	3.8	M	76.4	8.9	1	122.0	724	21
DONMARIO	DM36F84S ↗	RXF,ST	3.6	M	75.7	8.9	2	110.3	718	22
NuTech	38N05E ↗	E3	3.8	M	75.6	8.7	2	110.3	717	23
Pioneer	P42A84E § ↗	E3	4.2	R	75.4	9.0	14	114.0	715	24
Asgrow	AG42XF4 § ↗	RXF,ST	4.2	R	75.2	8.9	6	120.3	713	25
FS HiSOY	HS 42E40 ↗	E3	4.2	M	75.0	8.8	14	120.0	711	26
DONMARIO	DM38E54 ↗	E3	3.8	M	74.8	9.0	20	112.3	709	27
FS HiSOY	HS 41E40 ↗	E3,ST	4.1	M	74.8	8.7	1	106.7	709	28
NuTech	45N10E ↗	E3	4.5	M	74.8	8.8	16	120.0	709	29
Dyna-Gro	S41XF65 ↗	RXF	4.1	M	74.3	8.7	4	128.0	704	30

	Averages =	<b>73.8</b>	<b>8.8</b>	<b>11</b>	<b>117.8</b>	<b>700</b>
William Schelp	LSD (0.10) =	5.2	ns	10		
william.schelp@firstseedtests.com, (573) 819-7968	LSD (0.25) =	2.7	ns	5		
	C.V. =	6.7			Historic yield: 67.1 bu/a, 2 yr(s)	

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.00 Prices: GMO = \$9.48

Report Date: 10/22/2024

† 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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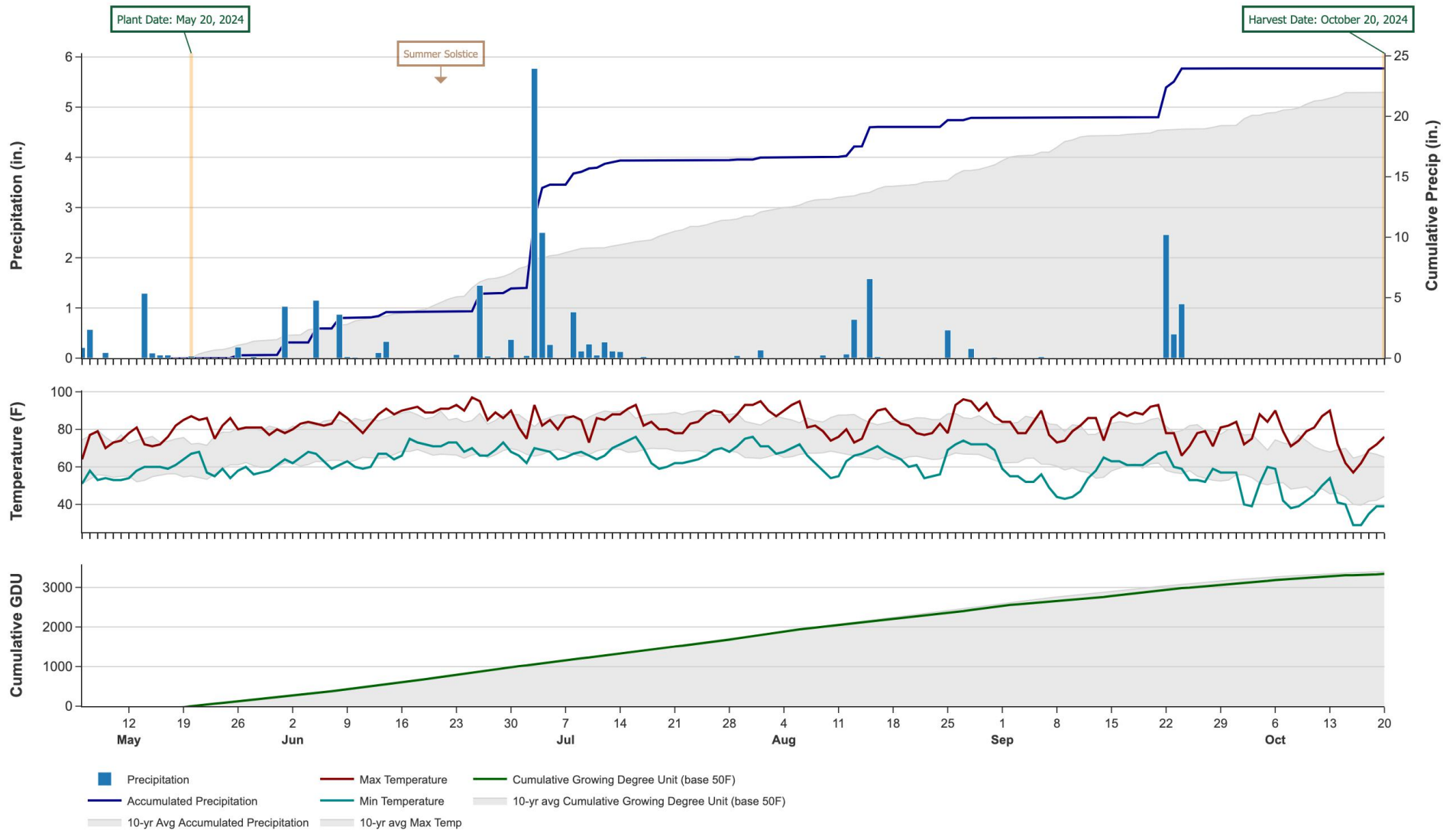
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# 2024 Soybeans - Missouri Central [ MOCE ]

## Weather Conditions Summary at NEW FRANKLIN, MO

Weather Data Retrieved: 10/22/2024

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in)   (Diff)	2.7   3.8 (-1.1)	5.5   5.5 (0.0)	10.7   4.8 (+5.9)	3.5   4.2 (-0.7)	4.1   3.3 (+0.8)	0.0   2.7 (-2.7)	26.4   24.2 (+2.1)
GDU   Avg (Diff)	471   425 (+45)	769   747 (+21)	784   831 (-47)	744   785 (-41)	562   609 (-47)	262   221 (+40)	3592   3621 (-29)



\* 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.

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### 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.