

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

2024 Soybeans Top 30 Harvest Report

Missouri Central [MOCE] PORTAGE DES SIOUX, MO
Matt Neustadt, St. Charles County, MO

All-Season Test	Maturity Group 3.5 - 4.5 S2024MOCE04
Top 30 of 61	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Anthem Maxx, Cavallo
SOIL DESCRIPTION:	Desioux loam, well drained, non-irrigated
SOIL CONDITION:	high P, very high K, 5.7 pH, 3.1% OM, 17.0 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Zidua, Liberty, Roundup, Clethodim, Aproach Prima, Grizzly Too
FERTILITY - Applied N:	Brandt Foliar (Mn, Zn, B)
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 21 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 15 126.4 /A

TEST COMMENTS:

There were great soil conditions at planting during an above-average warming trend. The trial had excellent emergence and a very uniform stand. There was a whiplash of precipitation from month to month following. June was much below average with daily rainfall spread across the month and all below a quarter inch. July brought 8" of precipitation with large events. August received less than half of what is typical. All said and done, this trial still came through the finish line as a very good river bottom test. There was good plant height and easy threshing at harvest time.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	GH3774E3 ↗	E3	3.7	M	80.7	9.6	4	128.0	765	1
Pioneer	P37A18E § ↗	E3	3.7	MR	78.5	9.4	4	134.0	744	2
Mustang	39ES925 ↗	E3,ST	3.9	M	78.2	9.5	1	131.7	741	3
FS HiSOY	HS 39E40 ↗	E3,ST	3.9	M	78.1	9.6	1	126.0	740	4
AgVenture	AV44B2E ↗	E3	4.4	M	77.8	9.5	19	126.0	738	5
FS HiSOY	HS 37E40 ↗	E3	3.7	M	77.2	9.5	2	129.7	732	6
Mustang	XF38725 ↗	RXF	3.8	M	76.9	9.8	16	129.3	729	7
Great Heart	GT-3967XF ↗	RXF	3.9	R	75.7	9.4	6	128.0	718	8
FS HiSOY	HS 41E40 ↗	E3,ST	4.1	M	75.0	9.4	2	135.7	711	9
Burrus	4134E ↗	E3,ST	4.1	M	75.0	9.5	1	124.0	711	10
Dyna-Gro	S38EN75 ↗	E3	3.8	M	74.3	9.5	1	129.7	704	11
Burrus	3966E ↗	E3	3.9	M	73.7	9.4	3	126.0	699	12
Mustang	41E324 ↗	E3	4.1	M	73.6	9.4	8	130.0	698	13
NuTech	36N06E ↗	E3	3.6	M	73.3	9.6	10	125.7	695	14
DONMARIO	DM36E94 ↗	E3	3.6	M	72.9	9.5	6	120.0	691	15
AgVenture	AV41Y5E ↗	E3	4.1	M	72.3	9.3	26	129.7	685	16
DONMARIO	DM36F84S ↗	RXF,ST	3.6	M	72.1	9.4	4	124.0	684	17
Burrus	3647F ↗	RXF	3.6	M	72.0	9.6	9	135.3	683	18
NuTech	42N05E ↗	E3	4.2	M	71.9	9.5	1	129.7	682	19
Stine	35EG92 § ↗	E3	3.5	M	71.8	9.5	12	123.7	681	20
FS HiSOY	HS 36F40 ↗	RXF	3.6	M	71.8	9.5	19	130.0	681	21
NuTech	37N03E ↗	E3	3.7	M	71.7	9.5	13	122.0	680	22
DONMARIO	DM38E54 ↗	E3	3.8	M	71.5	9.6	14	126.0	678	23
NuTech	38N05E ↗	E3	3.8	M	71.3	9.4	2	112.0	676	24
Great Heart	GT-3972E ↗	E3	3.9	R	71.3	9.6	7	120.3	676	25
FS HiSOY	HS 36E40 ↗	E3,ST	3.6	M	71.2	9.3	3	128.0	675	26
AgVenture	AV43B2BE ↗	E3,ST	4.3	M	70.9	9.5	3	116.0	672	27
Burrus	3767E ↗	E3	3.7	M	70.9	9.6	22	132.0	672	28
NuTech	43N06E ↗	E3	4.3	M	70.6	9.6	20	118.3	669	29
Mustang	38E825 ↗	E3	3.8	M	70.4	9.5	6	125.7	667	30

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Averages = **70.1** **9.5** **9** **126.4** **665**

LSD (0.10) = 4.7 ns 8

LSD (0.25) = 2.5 ns 4

C.V. = 6.4

Historic yield: 65.13 bu/a, 5 yr(s)

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.00

Prices: GMO = \$9.48

Report Date: 10/16/2024

† 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

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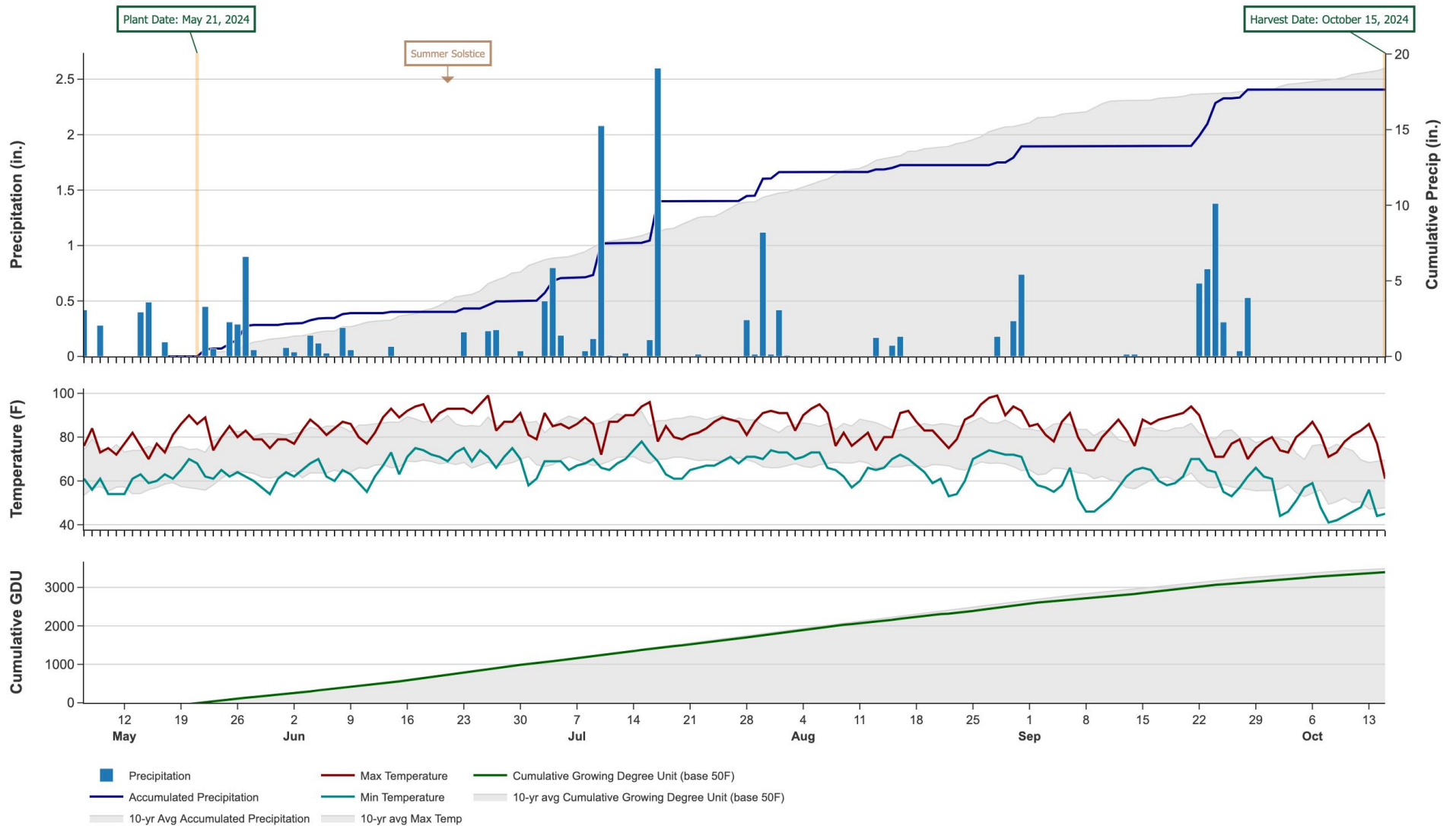
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2024 Soybeans - Missouri Central [MOCE]

Weather Conditions Summary at PORTAGE DES SIOUX, MO

Weather Data Retrieved: 10/16/2024

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	3.8 3.7 (+0.1)	1.6 4.4 (-2.8)	8.1 5.1 (+3.0)	2.1 4.7 (-2.5)	3.8 2.3 (+1.4)	0.0 1.4 (-1.4)	19.4 21.6 (-2.2)
GDU Avg (Diff)	496 445 (+50)	782 772 (+9)	801 851 (-50)	774 810 (-36)	608 640 (-32)	226 200 (+25)	3687 3721 (-34)



* 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

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

E3	Enlist E3®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

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

* Seed treatments may include unspecified plant health promoting components.