

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

2024 Soybeans Top 30 Harvest Report

Missouri Central [MOCE] CONCORDIA, MO
Bruce Strobel, Lafayette County, MO 64020

All-Season Test	Maturity Group 3.5 - 4.5 S2024MOCE01
Top 30 of 61	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn, Rye Cover Crop / Atrazine, Mustang Max, Stalwart 3w
SOIL DESCRIPTION:	Minden silt loam, moderately drained, non-irrigated
SOIL CONDITION:	very high P, high K, 6.9 pH, 3.1% OM, 13.4 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Zidua, Liberty, Roundup
Applied N-P-K (units):	0-0-0
SEDED - RATE - ROW:	Jun 6 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 21 124.5 /A

TEST COMMENTS:

This location had a great no-till trial seedbed with a cover crop that was terminated prior to planting. It sits on terraced hill ground and is very representative of many acres in west-central Missouri. There was lots of rainfall early in the season, then less as the season progressed. At harvest, no shattering or lodging was observed. These short plants had close internodes. It was a quick and efficient harvest. A good no-till trial.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Golden Harvest	GH4093E3 ↗	E3	4.0	M	62.8	7.7	1	137.3	595	1
NuTech	39N08E ↗	E3	3.9	PK	59.8	7.8	1	114.3	567	2
Golden Harvest	GH3774E3 ↗	E3	3.7	M	59.6	8.0	1	120.3	565	3
Pioneer	P34A98E § ↗	E3	3.4	R	59.5	7.7	1	106.7	564	4
NuTech	36N06E ↗	E3	3.6	M	59.2	7.6	1	114.7	561	5
FS HiSOY	HS 39E40 ↗	E3,ST	3.9	M	58.6	7.8	1	133.3	556	6
Burrus	3966E ↗	E3	3.9	M	58.3	7.8	1	132.0	553	7
Pioneer	P42A84E § ↗	E3	4.2	R	58.2	7.9	1	118.0	552	8
DONMARIO	DM36E94 ↗	E3	3.6	M	58.1	7.8	1	124.0	551	9
NuTech	35N05E ↗	E3	3.5	PK	57.8	7.7	1	120.0	548	10
Great Heart	GT-3967XF ↗	RXF	3.9	R	57.8	7.8	1	120.3	548	11
AgVenture	AV39B2E ↗	E3	3.9	PK	57.7	7.6	1	122.0	547	12
Mustang	39ES925 ↗	E3,ST	3.9	M	57.6	7.7	1	118.0	546	13
Mustang	38E825 ↗	E3	3.8	M	57.6	7.7	1	143.0	546	14
NuTech	37N03E ↗	E3	3.7	M	57.5	7.7	1	124.0	545	15
Dyna-Gro	S38EN75 ↗	E3	3.8	M	57.2	7.8	1	124.0	542	16
Great Heart	GT-4320ES ↗	E3,ST	4.3	R	56.7	7.9	1	110.0	538	17
Xitavo	XO 3855E ↗	E3,ST	3.8	M	56.6	7.8	1	130.0	537	18
Dyna-Gro	S41XF65 ↗	RXF	4.1	M	56.2	7.7	1	120.0	533	19
NuTech	43N06E ↗	E3	4.3	M	56.1	7.8	1	134.0	532	20
Mustang	XF42724 ↗	RXF	4.2	M	55.9	7.9	1	125.7	530	21
Burrus	3767E ↗	E3	3.7	M	55.8	7.8	1	125.7	529	22
NK Brand	NK40-P5E3 § ↗	E3	4.0	M	55.7	7.8	1	133.3	528	23
NK Brand	NK44-Q5E3S ↗	E3,ST	4.4	M	55.7	7.9	1	132.0	528	24
Stine	35EG92 § ↗	E3	3.5	M	55.7	7.9	1	131.7	528	25
NuTech	38N05E ↗	E3	3.8	M	55.5	7.7	1	120.0	526	26
Burrus	4134E ↗	E3,ST	4.1	M	55.4	7.6	1	141.0	525	27
NK Brand	NK42-A6E3S § ↗	E3,ST	4.2	M	55.4	7.9	1	126.0	525	28
NuTech	42N05E ↗	E3	4.2	M	55.3	7.7	1	128.0	524	29
Xitavo	XO 4255E ↗	E3,ST	4.2	M	55.1	7.7	1	127.7	522	30

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Averages = **55.0** **7.8** **1** **124.5** **522**

LSD (0.10) = 3.1 ns ns

LSD (0.25) = 1.6 ns ns

C.V. = 5.3

Historic yield: 46.75 bu/a, 3 yr(s)

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.3

Drying = \$0.00

Prices: GMO = \$9.48

Report Date: 10/23/2024

† 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

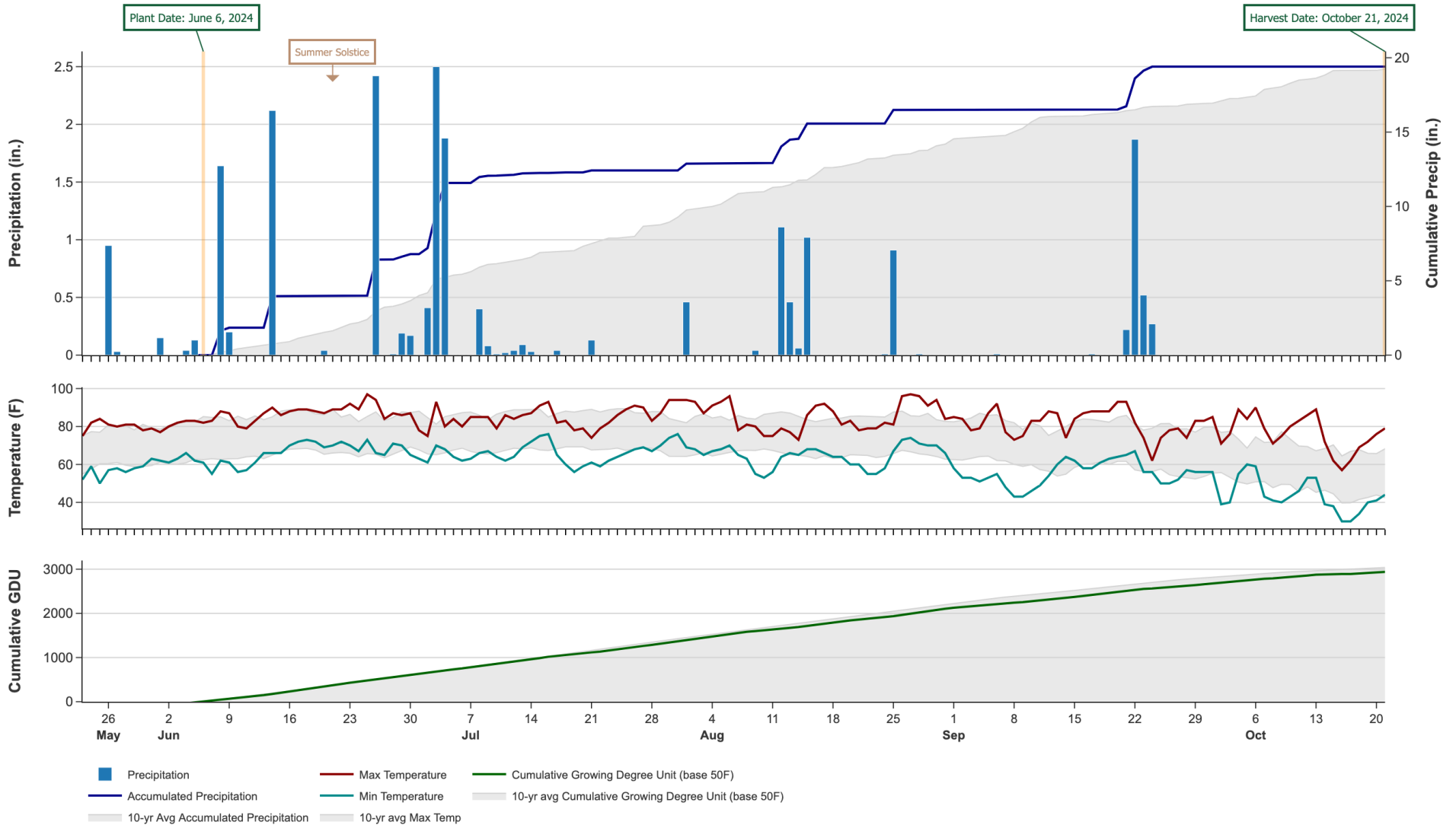
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2024 Soybeans - Missouri Central [MOCE]

Weather Conditions Summary at CONCORDIA, MO

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	1.0 1.4 (-0.5)	7.1 4.8 (+2.3)	5.6 5.6 (0.0)	4.1 4.9 (-0.8)	2.9 2.7 (+0.2)	0.0 2.3 (-2.3)	20.7 21.8 (-1.1)
GDU Avg (Diff)	166 170 (-4)	750 737 (+12)	758 820 (-62)	729 777 (-48)	553 604 (-51)	282 227 (+54)	3238 3337 (-99)



* 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.