

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

2024 Soybeans Top 30 Harvest Report

Missouri North [MONO] TRENTON, MO
Carl Woodard, Grundy County, MO

All-Season Test	Maturity Group 3.2 - 4.3 S2024MONO02
Top 30 of 69	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Roundup, Verdic, Callisto, Bicep 2 Magnum
SOIL DESCRIPTION:	Grundy silty clay loam, moderately drained, non- irrigated
SOIL CONDITION:	high P, medium K, 6.7 pH, 3.1% OM, 12.2 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Zidua Pro, Roundup, Interline, Select, Priaxor, Bifen
Applied N-P-K (units):	0-0-180
SEEDED - RATE - ROW:	May 23 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 10 120.8 /A

TEST COMMENTS:

This is a uniform site and is representative of North Missouri on this ridge. The no-till seedbed was planted on the shallow side of the spectrum. This was due to soil moisture present and anticipated rainfall on the way. Rainfall was short of typical for every month except August. Summer revealed a great trial taking shape. It rained when the crop needed it. It was an especially dry fall that dried grain quickly. Great trial.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Apex	AE3550S ↗	E3,ST	3.5	M	80.5	8.7	1	120.0	763	1
DONMARIO	DM36E94 ↗	E3	3.6	M	78.0	8.6	2	110.7	739	2
NuTech	36N06E ↗	E3	3.6	M	77.9	8.6	2	128.0	738	3
FS HiSOY	HS 39E40 ↗	E3,ST	3.9	M	77.2	8.6	1	114.0	732	4
FS HiSOY	HS 37E40 ↗	E3	3.7	M	76.5	8.8	1	112.3	725	5
Dyna-Gro	S38EN75 ↗	E3	3.8	M	76.1	8.4	1	126.0	721	6
Pioneer	P34A98E § ↗	E3	3.4	R	76.1	8.7	1	128.0	721	7
Burrus	4134E ↗	E3,ST	4.1	M	75.9	8.5	1	116.0	720	8
Golden Harvest	GH4093E3 ↗	E3	4.0	M	75.8	8.5	3	118.0	719	9
Burrus	3767E ↗	E3	3.7	M	75.1	8.6	3	126.0	712	10
DONMARIO	DM32F74 ↗	RXF	3.2	M	74.5	8.8	1	120.0	706	11
Stine	37EG23 § ↗	E3	3.7	M	74.3	8.5	2	133.7	704	12
NuTech	37N03E ↗	E3	3.7	M	74.2	8.3	2	120.3	703	13
Hoegemeyer	3605 E ↗	E3	3.6	M	74.1	8.4	4	131.7	702	14
Asgrow	AG36XF4 § ↗	RXF	3.6	R	74.0	8.7	1	118.0	702	15
Agrisoy	41A04E ↗	E3	4.1	M	73.8	8.3	1	104.7	700	16
Agrisoy	38A04E ↗	E3	3.8	M	73.6	8.6	1	116.0	698	17
AgVenture	AV36B2E ↗	E3	3.6	M	73.5	8.5	3	125.7	697	18
NK Brand	NK36-Q6E3S ↗	E3,ST	3.6	M	73.2	8.8	2	123.7	694	19
Agrisoy	42A03E ↗	E3,ST	4.2	M	73.1	8.5	3	120.0	693	20
Golden Harvest	GH3774E3 § ↗	E3	3.7	M	73.1	8.7	2	126.0	693	21
Apex	AE4150S ↗	E3,ST	4.1	M	73.0	8.4	1	110.3	692	22
Xitavo	XO 3655E ↗	E3,ST	3.6	M	72.8	9.0	1	122.3	690	23
Stine	35EG92 § ↗	E3	3.5	M	72.7	8.6	4	122.0	689	24
FS HiSOY	HS 42E40 ↗	E3	4.2	M	72.5	8.7	5	127.7	687	25
NuTech	42N05E ↗	E3	4.2	M	72.3	8.4	5	122.0	685	26
FS HiSOY	HS 34F30 ↗	RXF	3.4	M	72.1	8.6	1	118.3	684	27
Asgrow	AG42XF4 § ↗	RXF,ST	4.2	R	72.1	8.5	5	130.0	684	28
NuTech	43N06E ↗	E3	4.3	M	71.9	8.5	14	133.7	682	29
Apex	AE3850 ↗	E3	3.8	M	71.7	8.6	1	124.0	680	30

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Averages = **71.1** **8.6** **3** **120.8** **674**

LSD (0.10) = 4.1 0.2 2

LSD (0.25) = 2.2 0.1 1

C.V. = 5.5

Historic yield: 74.41 bu/a, 2 yr(s)

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

Report Date: 10/11/2024

† 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 exceeded the grain moisture limit for this test. **ns** = column values not significantly different. ↗ Links to full product yield results at www.firstseedtests.com

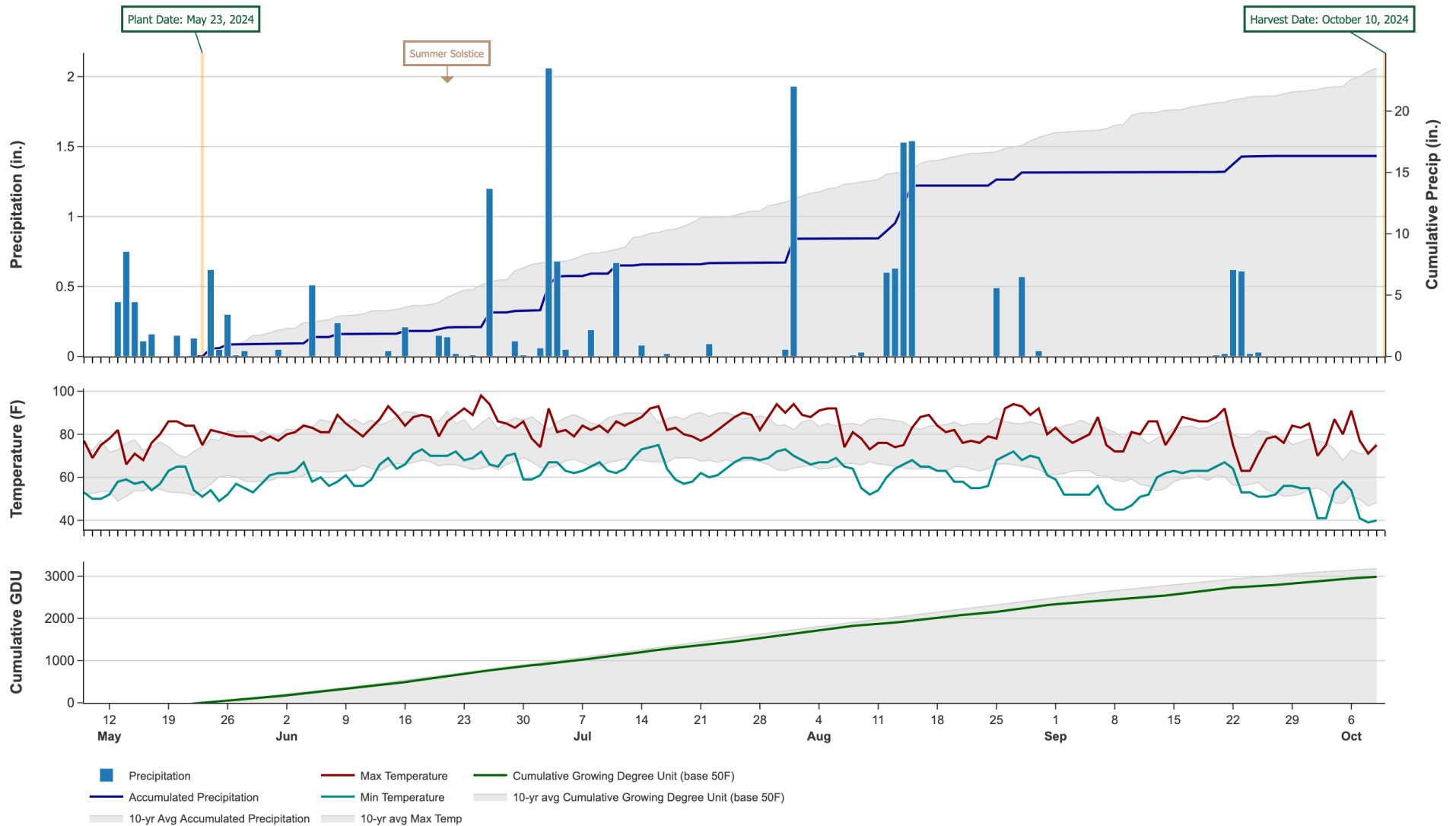
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2024 Soybeans - Missouri North [MONO]

Weather Conditions Summary at TRENTON, MO

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	3.1 4.5 (-1.4)	2.7 5.3 (-2.6)	4.0 5.4 (-1.4)	7.4 5.5 (+1.9)	1.3 3.5 (-2.2)	0.0 1.9 (-1.9)	18.4 26.1 (-7.7)
GDU Avg (Diff)	389 355 (+33)	733 739 (-6)	748 814 (-66)	696 767 (-71)	532 587 (-55)	138 113 (+24)	3236 3377 (-141)



* 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 North [MONO]

All-Season Test Products (69 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Agrisoy	35A03E	E3	M	3.5	CMB-APX,Sa,SG
Agrisoy	38A04E	E3	M	3.8	CMB-APX,Sa,SG
Agrisoy	39A02E	E3	M	3.9	CMB-APX,Sa,SG
Agrisoy	41A04E	E3	M	4.1	CMB-APX,Sa,SG
Agrisoy	42A03E	E3,ST	M	4.2	CMB-APX,Sa,SG
Agrisoy	43A04E	E3	M	4.3	CMB-APX,Sa,SG
AgVenture	AV36B2E	E3	M	3.6	Lum, LumT, IL
AgVenture	AV39B2E	E3	PK	3.9	Lum, LumT, IL
AgVenture	AV39Y3E	E3	M	3.9	Lum, LumT, IL
AgVenture	AV39Y5E	E3	R	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
Apex	AE3340	E3	PK	3.3	F,I
Apex	AE3550S	E3,ST	M	3.5	PU
Apex	AE3850	E3	M	3.8	PU
Apex	AE4150S	E3,ST	M	4.1	PU
Asgrow	AG36XF4 §	RXF	R	3.6	ACi,IL
Asgrow	AG39XF3 §	RXF	R	3.9	ACi,IL
Asgrow	AG42XF4 §	RXF,ST	R	4.2	ACi,IL
Burrus	3415E	E3,ST	PK	3.4	BPS-SDS
Burrus	3647F	RXF	M	3.6	BPS-SDS
Burrus	3767E	E3	M	3.7	BPS-SDS
Burrus	4134E	E3,ST	M	4.1	BPS-SDS
DONMARIO	DM32F74	RXF	M	3.2	F,I,B
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	S37XF15	RXF	M	3.7	PLTM
Dyna-Gro	S38EN75	E3	M	3.8	PLTM
Dyna-Gro	S41XF65	RXF	M	4.1	PLTM
FS HiSOY	HS 34E40	E3	PK	3.4	ACi,SA
FS HiSOY	HS 34F30	RXF	M	3.4	ACi,SA
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 41E40	E3,ST	M	4.1	F,I,NE
FS HiSOY	HS 42E40	E3	M	4.2	F,I,NE
Golden Harvest	GH3415E3S	E3,ST	M	3.4	CMB-APX,SA
Golden Harvest	GH3655E3S	E3,ST	M	3.6	CMB-APX,SA
Golden Harvest	GH3774E3 §	E3	M	3.7	CMB-APX,SA

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Golden Harvest	GH4093E3	E3	M	4.0	CMB-APX,SA
Hoegemeyer	3605 E	E3	M	3.6	Lum, LumT, IL
Hoegemeyer	3825 E	E3	M	3.8	Lum, LumT, IL
NK Brand	NK36-Q6E3S	E3,ST	M	3.6	CMB-APX,SA
NK Brand	NK37-C1E3 §	E3	M	3.7	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
NuTech	34N02E	E3	PK	3.4	Lum, LumT, IL
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
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 3375E	E3	M	3.3	PV,IL,OB,Rey
Xitavo	XO 3483E	E3	M	3.4	PV,IL,OB,Rey
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

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®
CMB-APX,Sa,SG	CruiserMaxx® APX with Saltro®,Seed Guard Bio
F,I	Fungicide, Insecticide
F,I,B	Fungicide, Insecticide, Biological
F,I,NE	Fungicide, Insecticide, Nematicide
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PLTM	DynaGro PLTM
PU	Protect Ultra
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
TFX1,SA	Stine MyYield, Saltro

*Seed treatments may include unspecified plant health promoting components.