

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

2024 Soybeans Top 30 Harvest Report

Missouri North [MONO] CAIRO, MO
Dale & Kyle Samp, Randolph County, MO

All-Season Test	Maturity Group 3.2 - 4.3 S2024MONO03
Top 30 of 69	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Roundup, Distinct, Atrazine, Callisto
SOIL DESCRIPTION:	Putnam silt loam, mod. poorly drained, non-irrigated
SOIL CONDITION:	very high P, high K, 5.4 pH, 2.6% OM, 11.0 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Zidua Pro, Roundup, Liberty
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 22 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 13 122.9 /A

TEST COMMENTS:

This plot was planted in a no-till seedbed with plenty of moisture on the same day as Kyle was planting the surrounding field. There was quick and even emergence. Historically, it is a very near normal growing season. Close to average precipitation was fairly spread out with events. It was dryer than ideal late in the season. Well-filled pods, no green stem observed, and easy harvesting. A very good trial.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
NuTech	36N06E ↗	E3	3.6	M	72.5	9.4	2	122.0	687	1
Hoegemeyer	3825 E ↗	E3	3.8	M	72.0	9.2	1	124.0	683	2
FS HiSOY	HS 37E40 ↗	E3	3.7	M	71.7	9.2	2	120.0	680	3
FS HiSOY	HS 39E40 ↗	E3,ST	3.9	M	71.6	9.1	1	122.0	679	4
Dyna-Gro	S38EN75 ↗	E3	3.8	M	71.4	9.4	1	125.7	677	5
Apex	AE3550S ↗	E3,ST	3.5	M	71.0	9.2	2	118.0	673	6
NuTech	38N05E ↗	E3	3.8	M	70.7	9.3	1	126.0	670	7
FS HiSOY	HS 34E40 ↗	E3	3.4	PK	70.2	9.5	2	114.3	665	8
DONMARIO	DM36E94 ↗	E3	3.6	M	70.0	9.5	1	124.0	664	9
AgVenture	AV36B2E ↗	E3	3.6	M	69.5	9.3	2	120.0	659	10
NuTech	34N02E ↗	E3	3.4	PK	69.1	9.3	4	114.3	655	11
Agrisoy	38A04E ↗	E3	3.8	M	68.8	9.5	5	110.3	652	12
Pioneer	P37A18E § ↗	E3	3.7	MR	68.6	9.5	1	124.0	650	13
Hoegemeyer	3605 E ↗	E3	3.6	M	68.4	9.1	2	135.3	648	14
Xitavo	XO 3855E ↗	E3,ST	3.8	M	68.3	9.4	1	110.3	647	15
Burrus	4134E ↗	E3,ST	4.1	M	67.8	9.3	1	122.0	643	16
Apex	AE4150S ↗	E3,ST	4.1	M	67.7	9.2	1	130.0	642	17
Pioneer	P34A98E § ↗	E3	3.4	R	67.4	9.2	1	122.3	639	18
Agrisoy	41A04E ↗	E3	4.1	M	67.2	9.2	1	131.7	637	19
Stine	35EG92 § ↗	E3	3.5	M	67.1	9.5	4	128.0	636	20
Apex	AE3340 ↗	E3	3.3	PK	67.1	9.4	2	124.0	636	21
NuTech	37N03E ↗	E3	3.7	M	67.0	9.1	3	122.0	635	22
NuTech	35N05E ↗	E3	3.5	PK	66.9	9.4	1	120.3	634	23
Apex	AE3850 ↗	E3	3.8	M	66.8	9.3	4	114.3	633	24
Burrus	3767E ↗	E3	3.7	M	66.6	9.5	7	122.0	631	25
FS HiSOY	HS 41E40 ↗	E3,ST	4.1	M	66.4	9.1	1	129.7	629	26
Asgrow	AG36XF4 § ↗	RXF	3.6	R	66.4	9.5	8	118.0	629	27
Xitavo	XO 3483E ↗	E3	3.4	M	66.1	9.3	2	108.3	627	28
FS HiSOY	HS 36F40 ↗	RXF	3.6	M	66.1	9.4	6	120.0	627	29
NuTech	42N05E ↗	E3	4.2	M	65.9	9.3	3	120.3	625	30

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Averages = **64.9** **9.4** **4** **122.9** **616**

LSD (0.10) = 2.5 0.2 3

LSD (0.25) = 1.3 0.1 2

C.V. = 3.6

Historic yield: 61.15 bu/a, 5 yr(s)

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

Report Date: 10/14/2024

† 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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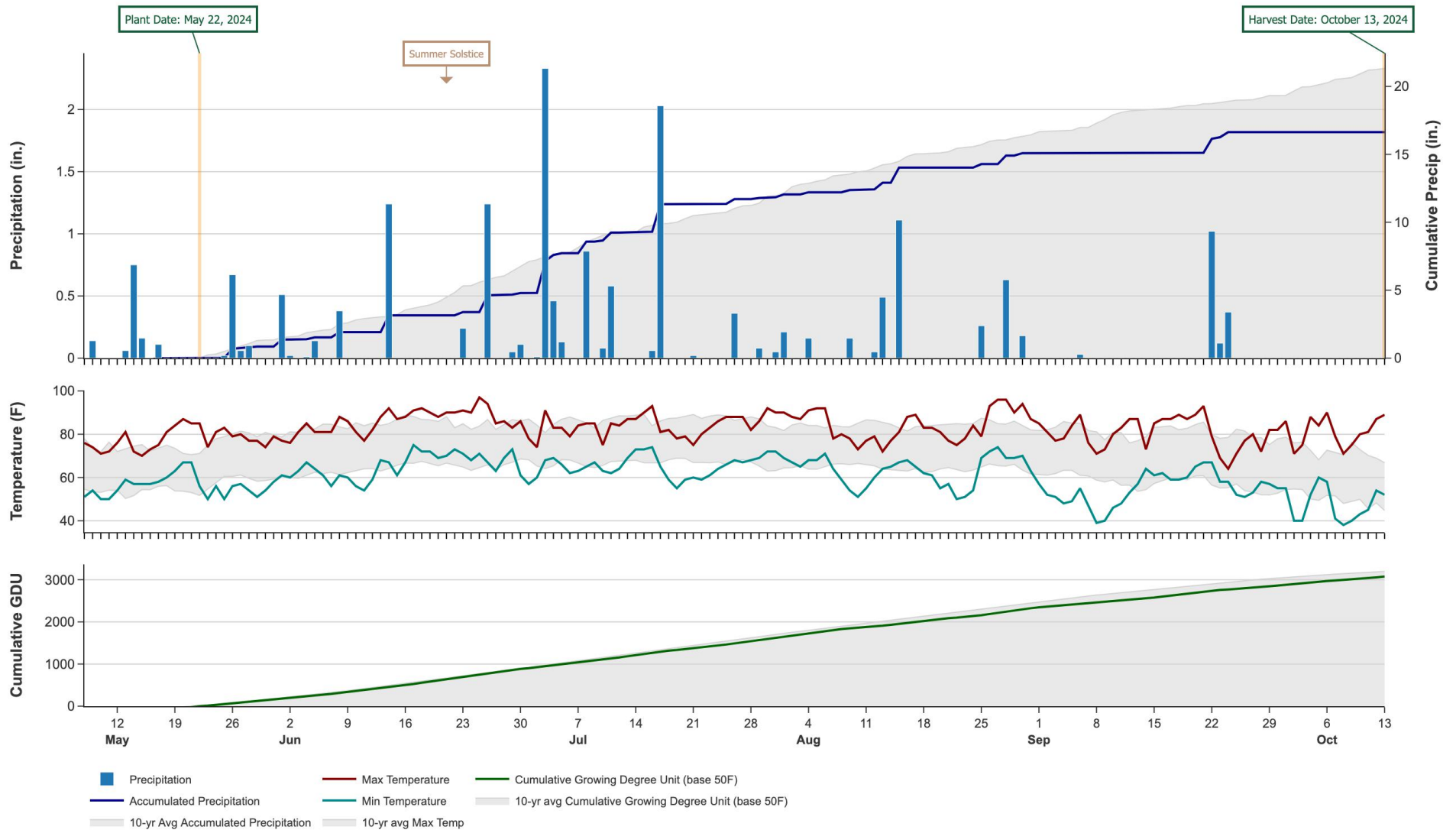
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2024 Soybeans - Missouri North [MONO]

Weather Conditions Summary at CAIRO, MO

Weather Data Retrieved: 10/14/2024

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	2.1 3.8 (-1.8)	3.9 5.5 (-1.5)	7.0 5.2 (+1.9)	3.2 4.5 (-1.2)	1.5 2.9 (-1.4)	0.0 2.0 (-2.0)	17.9 23.8 (-6.0)
GDU Avg (Diff)	406 375 (+30)	738 725 (+12)	743 806 (-63)	698 755 (-57)	538 582 (-44)	214 154 (+59)	3337 3399 (-62)



* 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.