

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

2024 Soybeans Top 30 Harvest Report

Missouri North [MONO] ST. JOSEPH, MO

Jeff Gaskill, Buchanan County, MO 64098

All-Season Test	Maturity Group 3.2 - 4.3 S2024MONO01
Top 30 of 69	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Fulltime Nxt, Atrazine, Armezon
SOIL DESCRIPTION:	Haynie silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	very low P, very high K, 7.8 pH, 2.6% OM, 19.4 CEC
TILLAGE/CULTIVATION:	Conventional W/ Fall Till
PEST MANAGEMENT:	Zidua Pro, Roundup, Liberty
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 19 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 12 120.5 /A

TEST COMMENTS:

This is a new field for the FIRST soybean test. The plot was planted in a tilled seedbed and had even emergence. There was significant green stem syndrome on some varieties at harvest in spots. Green leaves even - yet with mature and dry pods and seeds. Harvest was slow. Height observations did vary from one end of the trial to the other. Unfortunately, the hot and dry weather mid- and late-season exaggerated slight soil differences across the trial area. Test results were rejected because yield variability led to no significant differences in yield among varieties.

Company/Brand	Product/Brand	Yield †	GR	GR Seed	Yield Bu/a ‡	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/bu	Rank
Bonus	4104E +	53.87	4.1	W	73.8	8.1	1	124.0	750	1
McTech	3804E +	53	3.8	W	65.4	8.2	4	114.3	620	2
PG 3402V	HS 3404E +	53	3.4	FW	65.2	8.3	2	118.0	618	3
Golden Harvest	GH07H4E3 g +	53	3.7	W	64.2	8.2	2	121.0	609	4
MR Brand	MR07-C1E3 g +	53	3.7	W	63.3	8.1	2	121.0	600	5
Stiva	3803E g +	53	3.8	W	64	8.4	2	116.0	590	6
Dynacore	3810F4E +	52P	4.1	W	64.2	8.2	1	124.0	589	7
Agri	AC034E +	53	3.7	W	63.2	8.1	2	114.3	580	8
AgriGen	AG030E +	53	3.5	W	63.8	8.1	1	120.0	578	9
Golden Harvest	GH04H2E3E +	53.87	4.0	W	65.1	8.2	1	118.0	574	10
AgriGen	AG030E +	53	3.5	W	63.2	8.2	1	118.0	571	11
McTech	3804E +	53	3.8	FW	60.1	8.2	2	120.0	570	12
Stiva	HS 307E +	53	3.3	W	63	8.2	1	110.7	568	13
Proseed	PG040E g +	53	3.5	W	60.7	8.3	3	123.7	568	14
Dynacore	3810F4E +	52P	4.1	W	64.0	8.1	1	122.0	568	15
PG 3402V	HS 3404E +	53.87	3.4	W	66.0	8.2	2	120.0	568	16
Stiva	HS 340E +	53	3.4	W	66.8	8.3	2	126.0	567	17
AgriGen	AG030F3 g +	53	3.8	W	66.8	8.1	1	114.3	567	18
McTech	3804E +	53	3.4	FW	60.0	8.3	2	108.0	566	19
AgriGen	AG030E +	53	3.8	W	66.3	8.7	3	116.0	563	20
MR Brand	MR07-C1E3 g +	53.87	3.8	W	67.7	8.4	4	118.0	547	21
Golden Harvest	GH04H2E3E +	53	4.0	W	67.2	8.3	2	126.0	542	22
Bonus	3807V +	52P	3.8	W	66.7	8.1	2	112.0	538	23
Agri	AC030E +	53.87	3.8	W	66.8	8.1	1	118.0	537	24
McTech	4004E +	53	4.2	W	66.3	8.3	1	118.0	534	25
AgriGen	AG040E +	53	4.2	W	66.3	8.3	2	114.0	534	26
Golden Harvest	GH04H2E3E +	53	3.8	W	66.2	8.2	2	120.0	533	27
PG 3402V	HS 3407E +	52P	3.4	W	66.0	8.2	2	121.7	531	28
Stiva	HS 307E +	53.87	3.8	W	65.8	8.4	4	114.3	530	29
Stiva	MR03E3 g +	53	4.2	W	65.5	8.5	7	118.0	528	30



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Averages =	54.1	8.3	2	120.5	513
LSD (0.10) =	ns	ns	ns		
LSD (0.25) =	ns	ns	ns		
C.V. =	19.8			Historic yield: 59.04 bu/a, 7 yr(s)	

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

Report Date: 10/14/2024

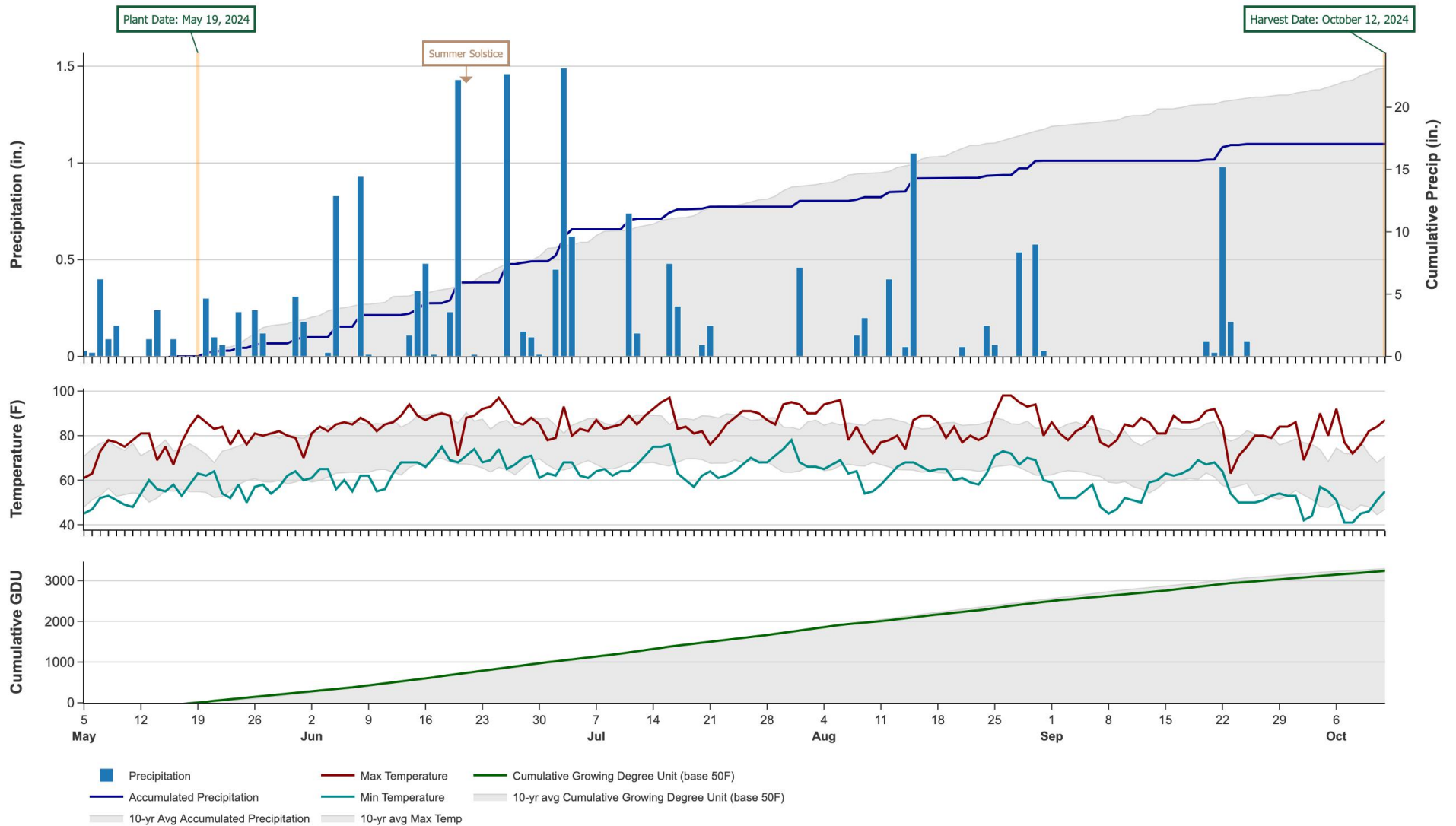
† See last page for abbreviation descriptions. Dark colored row identifies the check product found in early- and full-season tests. **Bold** yields are significantly above test average by LSD(0.10). **Italicized** brands exceed the grain moisture limit for this test. **ns** = column values not significantly different. ↗ Links to full product yield results at www.firstseedtests.com

Additional reports available at www.firstseedtests.com

2024 Soybeans - Missouri North [MONO]

Weather Conditions Summary at ST. JOSEPH, MO

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	2.5 5.7 (-3.2)	6.3 5.2 (+1.1)	4.4 5.5 (-1.2)	3.7 4.6 (-0.9)	1.3 2.8 (-1.4)	0.0 2.2 (-2.2)	18.2 26.0 (-7.8)
GDU Avg (Diff)	450 414 (+35)	746 747 (-1)	778 816 (-38)	728 778 (-50)	566 600 (-34)	192 144 (+47)	3460 3502 (-42)



* 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.