

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

2024 Soybeans Top 30 Harvest Report

Missouri North [MONO] GREENTOP, MO
Terry Sevits, Schuyler County, MO 63546

All-Season Test	Maturity Group 3.2 - 4.3 S2024MONO04
Top 30 of 69	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Brawl 2, Roundup
SOIL DESCRIPTION:	Belinda silt loam, mod. poorly drained, non-irrigated
SOIL CONDITION:	very low P, low K, 5.4 pH, 2.3% OM, 14.4 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Roundup , Enlist
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	May 29 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 14 124.5 /A

TEST COMMENTS:

The plot was planted the same day as the Sevits family planted the surrounding field. This field was mistakenly sprayed with Enlist and damaged the Xtendflex soybeans. Plants were short with no lodging at harvest. This trial location and these soil types are not a garden spot – especially when not receiving rainfall. Yet it is uniform and representative of many tough Missouri acres being farmed. This specific site rotation has provided tough, real-world Missouri data for years. Specifically, Sevits Family Farms is the longest-running FIRSt host farm in Missouri for 13 years straight. Thank you! This location will not be included in the regional summary due to herbicide damage.

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	49.9	9.0	1	125.7	473	1
NuTech	35N05E ↗	E3	3.5	PK	49.8	8.8	1	131.7	472	2
NuTech	34N02E ↗	E3	3.4	PK	49.6	8.8	1	114.7	470	3
Burrus	3415E ↗	E3,ST	3.4	PK	49.3	9.2	1	114.0	467	4
Agrisoy	35A03E ↗	E3	3.5	M	49.0	9.1	1	133.7	465	5
Burrus	3767E ↗	E3	3.7	M	48.8	9.1	1	130.0	463	6
FS HiSOY	HS 34E40 ↗	E3	3.4	PK	47.9	9.1	1	131.7	454	7
DONMARIO	DM36E94 ↗	E3	3.6	M	47.7	9.1	1	129.7	452	8
Apex	AE4150S ↗	E3,ST	4.1	M	47.3	8.9	1	122.0	448	9
Xitavo	XO 3855E ↗	E3,ST	3.8	M	47.3	9.2	1	127.7	448	10
AgVenture	AV36B2E ↗	E3	3.6	M	47.2	8.8	1	118.0	447	11
Agrisoy	41A04E ↗	E3	4.1	M	47.0	8.9	1	129.7	446	12
Stine	35EG92 § ↗	E3	3.5	M	46.8	9.0	1	124.0	444	13
FS HiSOY	HS 37E40 ↗	E3	3.7	M	46.8	9.0	1	122.3	444	14
Agrisoy	39A02E ↗	E3	3.9	M	46.6	9.4	1	112.3	442	15
AgVenture	AV39B2E ↗	E3	3.9	PK	46.2	8.8	1	120.0	438	16
Apex	AE3340 ↗	E3	3.3	PK	45.9	9.1	1	126.0	435	17
DONMARIO	DM38E54 ↗	E3	3.8	M	45.5	9.0	1	124.0	431	18
FS HiSOY	HS 39E40 ↗	E3,ST	3.9	M	45.2	8.8	1	133.7	428	19
NuTech	39N08E ↗	E3	3.9	PK	45.1	8.8	1	112.0	428	20
Stine	37EG23 § ↗	E3	3.7	M	45.0	9.3	1	120.0	427	21
Xitavo	XO 3483E ↗	E3	3.4	M	44.8	9.0	1	124.0	425	22
NuTech	37N03E ↗	E3	3.7	M	44.1	8.9	1	116.3	418	23
FS HiSOY	HS 36E40 ↗	E3,ST	3.6	M	44.1	9.2	1	123.7	418	24
Pioneer	P34A98E § ↗	E3	3.4	R	44.1	9.1	1	126.0	418	25
Hoegemeyer	3825 E ↗	E3	3.8	M	44.0	8.9	1	133.7	417	26
Dyna-Gro	S38EN75 ↗	E3	3.8	M	43.9	9.0	1	127.7	416	27
NuTech	36N06E ↗	E3	3.6	M	43.8	8.9	1	116.0	415	28
Apex	AE3850 ↗	E3	3.8	M	43.7	8.9	1	127.7	414	29
Agrisoy	38A04E ↗	E3	3.8	M	43.4	8.9	1	128.0	411	30

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Averages =	43.2	9.0	1	124.5	351
LSD (0.10) =	3.4	0.2	ns		
LSD (0.25) =	1.8	0.1	ns		
C.V. =	7.6				

Historic yield: 50.06 bu/a, 10 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

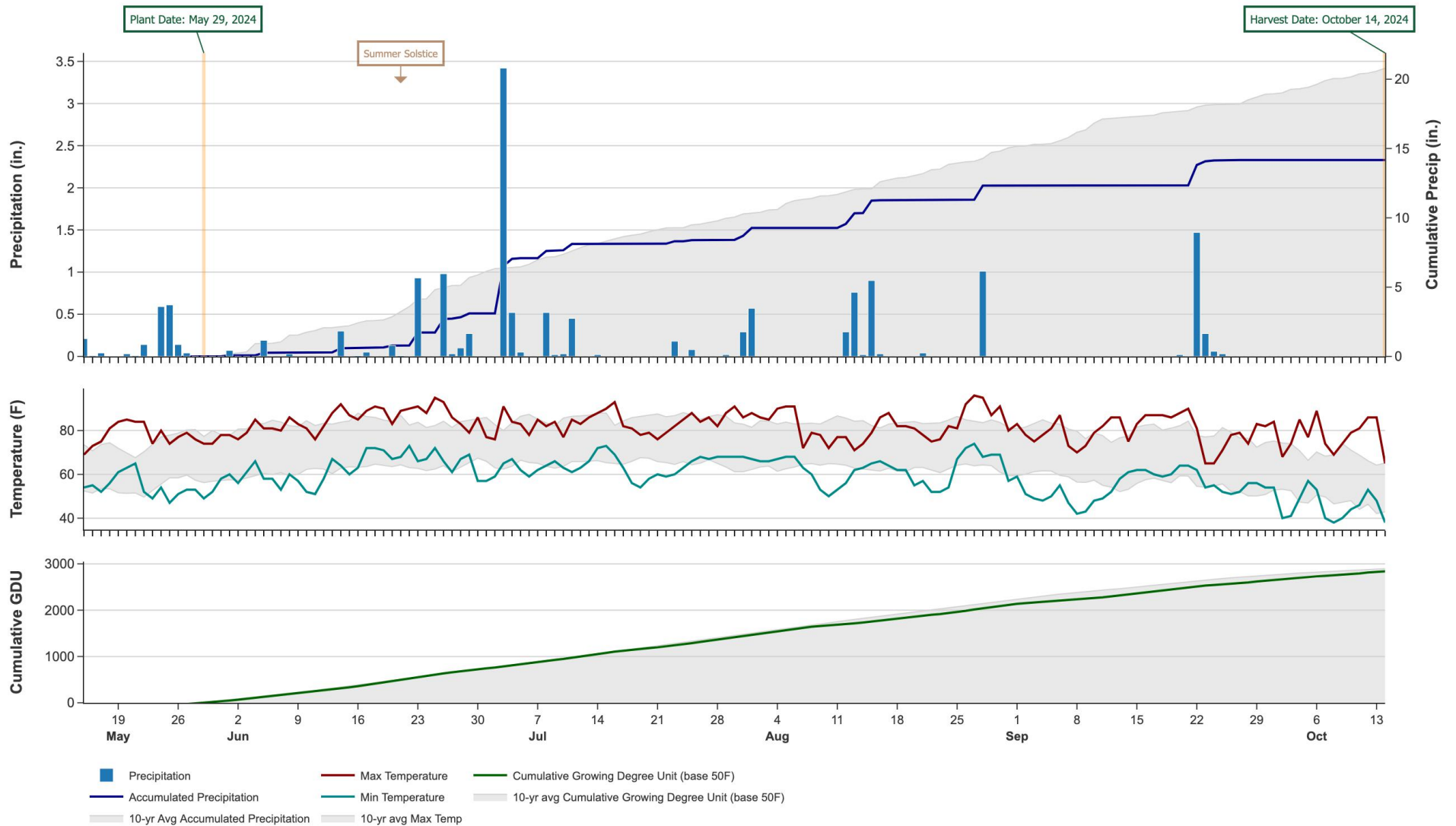
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2024 Soybeans - Missouri North [MONO]

Weather Conditions Summary at GREENTOP, MO

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	1.8 3.4 (-1.6)	3.1 5.8 (-2.7)	5.6 4.4 (+1.2)	3.6 4.8 (-1.1)	1.9 3.9 (-2.0)	0.0 1.9 (-1.9)	16.0 24.1 (-8.1)
GDU Avg (Diff)	275 251 (+23)	697 682 (+14)	718 773 (-55)	670 724 (-54)	520 536 (-16)	202 143 (+58)	3082 3110 (-28)



* 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.