

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

2023 Soybeans Top 30 Harvest Report

Missouri North [MONO] MARYVILLE, MO

Thummel Enterprises, Inc., Jeff & Deb Thummel, Nodaway County, MO

All-Season Test	Maturity Group 3.2 - 4.3 S2023MONO02
Top 30 of 63	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Durango, Resicore, Atrazine
SOIL DESCRIPTION:	Colo silty clay loam, moderately drained, non-irrigated
SOIL CONDITION:	very high P, high K, 5.9 pH, 3.1% OM, 17.5 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Spartan, Metribuzin, Liberty
Applied N-P-K (units):	0-80-100
SEEDED - RATE - ROW:	Apr 27 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 19 120.3 /A

TEST COMMENTS:

April planting went well in great soil conditions. Like most every Missouri FIRST soybean trial this year, we planted when the farmers were planting. It was an early year for beans as conditions were right. It was a generally good growing season for beans all year. Rainfall prior to harvest did bring the moisture of seeds back up. Great harvest conditions – there was zero green stem in the plot. A very good trial.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
FS HISOY	HS 34F30 ↗	RXF	3.4	R	78.9	12.6	2	122.0	1026	1
Asgrow	AG33XF3 § ↗	RXF	3.3	R	77.5	12.4	5	118.0	1008	2
AgVenture	AV 38A1E ↗	E3	3.8	MR	77.5	12.6	2	124.0	1008	3
Dyna-Gro	S35XF44 ↗	RXF	3.5	R	77.4	13.4	2	122.0	1005	4
AgVenture	AV 41Y5E ↗	E3	4.1	MR	77.2	13.1	11	120.0	1003	5
Golden Harvest	GH3774E3 § ↗	E3	3.7	R	76.2	13.0	2	122.0	991	6
NuTech	37N03E ↗	E3	3.7	R	75.7	13.0	7	122.0	984	7
AgVenture	AV 39Y3E ↗	E3	3.9	MR	74.7	12.6	3	110.3	971	8
DONMARIO	DM34E11 ↗	E3	3.4	R	74.5	13.2	1	108.7	968	9
Dyna-Gro	S38XF22S ↗	RXF,ST	3.8	MR	74.2	12.7	7	106.7	965	10
Pioneer	P37A18E § ↗	E3	3.7	MR	74.0	12.9	2	116.0	962	11
NK Brand	NK37-C1E3 § ↗	E3	3.7	R	74.0	13.2	1	118.0	962	12
AgVenture	AV 34Y9E ↗	E3	3.4	R	73.9	13.0	3	121.7	961	13
Golden Harvest	GH4093E3 ↗	E3	4.0	R	73.9	13.2	3	118.0	960	14
FS HISOY	HS 35E10 ↗	E3	3.5	R	73.7	13.1	3	124.0	958	15
Hoegemeyer	3894 E ↗	E3	3.8	R	73.4	12.6	4	122.0	954	16
NuTech	36N04E ↗	E3	3.6	R	73.4	12.7	1	100.7	954	17
Xitavo	XO 3483E ↗	E3	3.4	MR	73.2	12.8	1	130.0	952	18
Burrus	3966E ↗	E3	3.9	R	72.7	12.4	3	122.0	945	19
Lewis	4304XF ↗	RXF	4.3	R	72.6	12.8	7	118.3	944	20
Xitavo	XO 3651E ↗	E3	3.6	R	72.3	13.2	4	114.3	939	21
FS HISOY	HS 39F30 ↗	RXF	3.9	R	72.2	12.8	2	129.7	939	22
FS HISOY	HS 43E30 ↗	E3,ST	4.3	R	72.1	13.2	6	132.0	937	23
Xitavo	XO 3752E ↗	E3,ST	3.7	R	72.0	12.7	3	122.0	936	24
FS HISOY	HS 38E20 ↗	E3,ST	3.8	R	71.2	13.0	11	133.7	926	25
NuTech	33N04E ↗	E3	3.3	R	71.1	12.4	3	119.7	924	26
NuTech	34N02E ↗	E3	3.4	R	71.1	12.6	1	128.0	924	27
Burrus	3886F ↗	RXF	3.8	R	71.0	12.7	1	118.0	923	28
NuTech	39N07E ↗	E3	3.9	R	71.0	13.0	7	116.0	923	29
Asgrow	AG39XF3 § ↗	RXF	3.9	R	71.0	12.8	5	118.3	923	30

	Averages =	69.5	12.9	6	120.3	903
William Schelp	LSD (0.10) =	4.1	0.4	5		
	LSD (0.25) =	2.1	0.2	3		
william.schelp@firstseedtests.com, (573) 819-7968	C.V. =	5.6				Historic yield: 62.42 bu/a, 2 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.035 Prices: GMO = \$13.00

Report Date: 10/19/2023

† 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

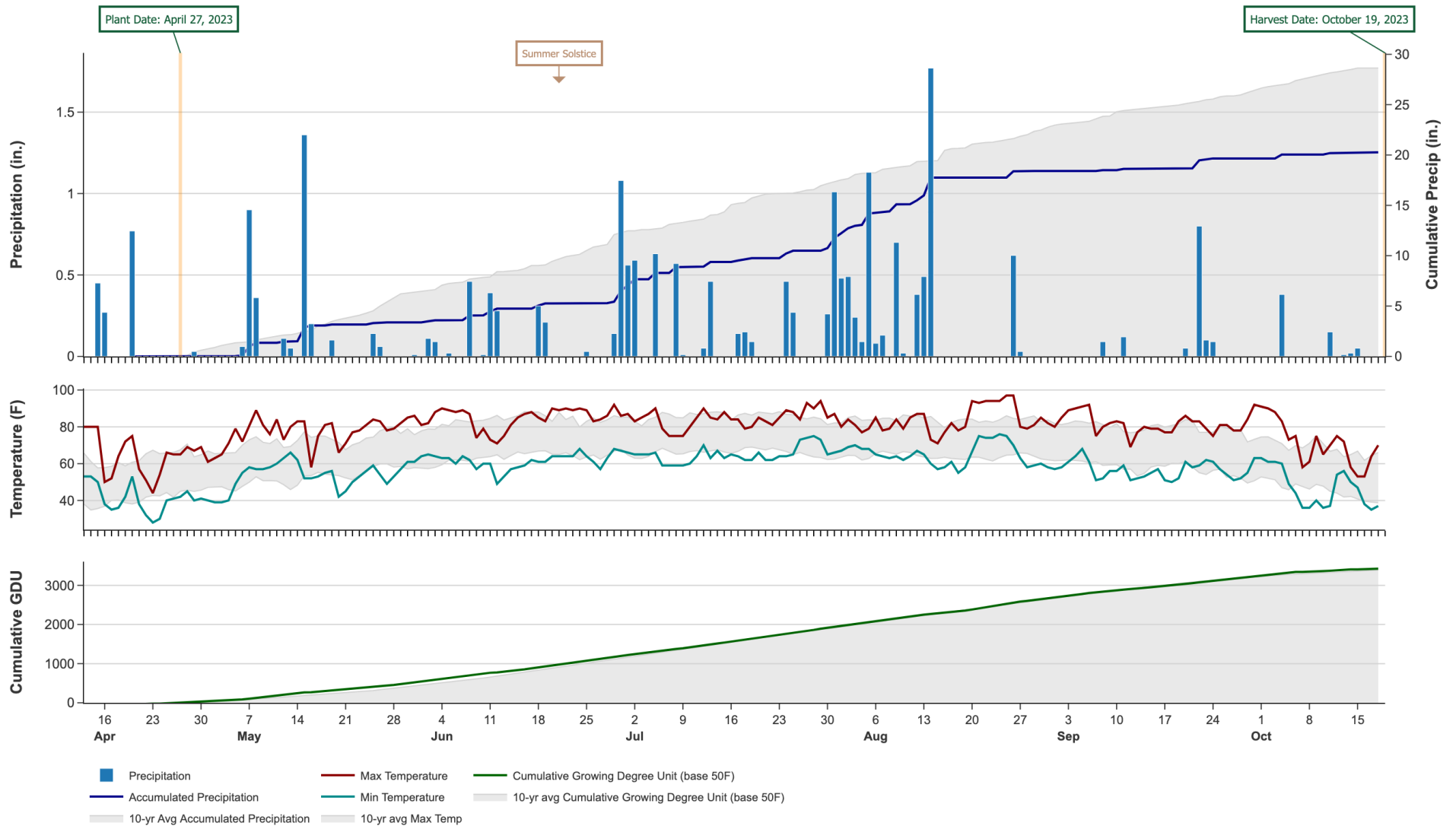
©2023, All rights reserved to Farmers' Independent Research of Seed Technologies, LLC.

Additional reports available at www.firstseedtests.com

2023 Soybeans - Missouri North [MONO]

Weather Conditions Summary at MARYVILLE, MO

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	1.5 2.5 (-1.0)	3.4 5.8 (-2.4)	3.1 5.9 (-2.7)	5.2 5.1 (+0.1)	6.7 5.4 (+1.3)	1.2 3.7 (-2.5)	0.6 2.2 (-1.6)	21.8 30.5 (-8.8)
GDU Avg (Diff)	130 92 (+37)	496 398 (+97)	672 705 (-33)	747 789 (-42)	723 743 (-20)	562 559 (+2)	198 171 (+26)	3528 3460 (+67)



* 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.

2023 Soybeans - Missouri North [MONO]

All-Season Test Products (63 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
AgVenture	AV 34Y9E	E3	R	3.4	Lum,Lu,IL
AgVenture	AV 38A1E	E3	MR	3.8	Lum,Lu,Lud,IL
AgVenture	AV 39Y3E	E3	MR	3.9	F,I,SA
AgVenture	AV 41Y5E	E3	MR	4.1	F,I,SA
AgVenture	AV 42A1E	E3	MR	4.2	Lum,Lu,Lud,IL
Apex	AE3920	E3	R	3.9	N-COMP+
Apex	AE4120	E3	R	4.1	N-COMP+
Asgrow	AG33XF3 §	RXF	R	3.3	ACi,IL
Asgrow	AG35XF3 GC	RXF	R	3.5	ACi,IL
Asgrow	AG3623XF GC	RXF	R	3.6	ACi,IL
Asgrow	AG39XF3 §	RXF	R	3.9	ACi,IL
Asgrow	AG40XF1 §	RXF,ST	R	4.0	ACi,IL
Burrus	3886F	RXF	R	3.8	BPS-SDS
Burrus	3966E	E3	R	3.9	BPS-SDS
DONMARIO	DM34E11	E3	R	3.4	BPS-SDS
DONMARIO	DM36F84S	RXF,ST	R	3.6	CMB-APX,SA
DONMARIO	DM40E44	E3	R	4.0	CMB-APX,SA
Dyna-Gro	S35XF44	RXF	R	3.5	EQ,VA,Sa
Dyna-Gro	S37ES52	E3,ST	R	3.7	EQV,Sa,Va
Dyna-Gro	S38XF22S	RXF,ST	MR	3.8	EQV,Sa,Va
Dyna-Gro	S40XF21S	RXF,ST	R	4.0	EQ,VA,Sa
Dyna-Gro	S41EN72	E3	R	4.1	EQV,Sa,Va
FS HiSOY	HS 34F30	RXF	R	3.4	ACi,SA
FS HiSOY	HS 35E10	E3	R	3.5	ACi,SA
FS HiSOY	HS 38E20	E3,ST	R	3.8	ACi,SA
FS HiSOY	HS 39F30	RXF	R	3.9	ACi,SA
FS HiSOY	HS 41E20	E3	R	4.1	ACi,SA
FS HiSOY	HS 41F30	RXF,ST	R	4.1	ACi,SA
FS HiSOY	HS 42F10	RXF	R	4.2	ACi,SA
FS HiSOY	HS 43E30	E3,ST	R	4.3	ACi,SA
Golden Harvest	GH3774E3 §	E3	R	3.7	CMB-APX,SA
Golden Harvest	GH3994E3 §	E3	MR	3.9	CMB-APX,SA
Golden Harvest	GH4093E3	E3	R	4.0	CMB-APX,SA
Golden Harvest	GH4214E3S	E3,ST	MR	4.2	CMB-APX,SA
Hoegemeyer	3894 E	E3	R	3.8	Lum,Lu,IL
Hoegemeyer	4234 E	E3	R	4.2	Lum,Lu,IL
Lewis	3513XF	RXF	R	3.5	ACi,IL
Lewis	3834XF	RXF	R	3.8	ACi,IL
Lewis	4035XF	RXF	R	4.0	ACi,IL
Lewis	4304XF	RXF	R	4.3	ACi,IL
NK Brand	NK37-C1E3 §	E3	R	3.7	CMB-APX,SA
NK Brand	NK39-J2E3	E3	MR	3.9	CMB-APX,SA

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
NuTech	33N04E	E3	R	3.3	Lum,Lu,IL
NuTech	34N02E	E3	R	3.4	Lum,Lu,IL
NuTech	36N04E	E3	R	3.6	Lum,Lu,IL
NuTech	37N03E	E3	R	3.7	Lum,Lu,IL
NuTech	39N07E	E3	R	3.9	Lum,Lu,IL
NuTech	42N05E	E3	R	4.2	Lum,Lu,IL
Pioneer	P37A18E §	E3	MR	3.7	NA
Pioneer	P38A54E §	E3	NA	3.8	NA
Pioneer	P42A84E §	E3	R	4.2	NA
ProHarvest	39E40S	E3,ST	R	3.9	PU
Stine	37EG23 §	E3	R	3.7	ACi
Stine	37FD02 §	RXF	R	3.7	ACi
Stine	40FD29 §	RXF	R	4.0	ACi
Xitavo	XO 3483E	E3	MR	3.4	PV,IL,OB,Rey
Xitavo	XO 3651E	E3	R	3.6	PV,IL,OB,Rey
Xitavo	XO 3752E	E3,ST	R	3.7	PV,IL,OB,Rey
Xitavo	XO 3803E	E3,ST	MR	3.8	PV,IL,OB,Rey
Xitavo	XO 3922E	E3	R	3.9	PV,IL,OB,Rey
Xitavo	XO 4084E	E3,ST	R	4.0	PV,IL,OB,Rey
Xitavo	XO 4132E	E3	R	4.1	PV,IL,OB,Rey
Xitavo	XO 4364E	E3,ST	R	4.3	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 Rating

S	susceptible
MR	moderate resistance
R	resistant
n/a	info unavailable

Soybeans Technologies

E3	Enlist E3®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
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®
EQ,VA,Sa	Equity VAYO, Saltro®
EQV,Sa,Va	Equity VIP, Saltro®, Vayantis®
F,I,SA	Fungicide, Insecticide, Saltro®
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Lum,Lu,Lud,IL	LumiGEN™, Luminesa, Lumiderm, ILeVO
N-COMP+	N-COMPASS F/I SDS-WM
PU	Protect Ultra
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®

* Seed treatments may include unspecified plant health promoting components.