

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

2023 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 S2023MONO03
Top 30 of 63	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Distinct, Roundup, Atrazine, Callisto
SOIL DESCRIPTION:	Mexico silt loam, mod. poorly drained, non-irrigated
SOIL CONDITION:	very high P, high K, 5.5 pH, 2.6% OM, 14.3 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Prefix, Zidua, Liberty, Roundup
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Apr 25 140.0 /A 30" spacing
HARVESTED - STAND:	Oct 5 123.3 /A

TEST COMMENTS:

This April planted soybean trial had great planting conditions followed by warm and above-average temperatures for 10 days. Even emergence followed. Rainfall was very limited at the start of the season. August rainfall came in at 10" – it was not all at once – which surely helped yield. Hot and dry conditions prior to harvest facilitated a quick dry down after maturity.

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Xitavo	XO 3922E ↗	E3	3.9	R	79.7	10.5	1	135.7	1036	1
ProHarvest	39E40S ↗	E3,ST	3.9	R	78.3	10.2	1	120.0	1018	2
FS HiSOY	HS 41E20 ↗	E3	4.1	R	76.2	10.6	3	124.0	991	3
Apex	AE3920 ↗	E3	3.9	R	75.7	10.4	1	133.7	984	4
Dyna-Gro	S41EN72 ↗	E3	4.1	R	75.4	10.6	6	122.0	980	5
FS HiSOY	HS 39F30 ↗	RXF	3.9	R	74.7	10.3	1	106.7	971	6
Lewis	4035XF ↗	RXF	4.0	R	74.5	10.8	3	135.7	968	7
Xitavo	XO 3803E ↗	E3,ST	3.8	MR	73.5	10.5	6	126.0	956	8
Lewis	3834XF ↗	RXF	3.8	R	72.6	10.2	7	116.3	944	9
Xitavo	XO 4132E ↗	E3	4.1	R	72.5	10.7	3	114.3	942	10
FS HiSOY	HS 41F30 ↗	RXF,ST	4.1	R	72.4	10.3	1	125.7	941	11
NuTech	37N03E ↗	E3	3.7	R	71.6	10.3	2	120.0	931	12
Xitavo	XO 3651E ↗	E3	3.6	R	71.4	10.4	2	125.7	928	13
Xitavo	XO 4364E ↗	E3,ST	4.3	R	71.2	10.6	5	112.3	926	14
Lewis	3513XF ↗	RXF	3.5	R	71.2	10.4	1	125.7	926	15
Golden Harvest	GH4093E3 ↗	E3	4.0	R	71.1	10.4	1	131.7	924	16
FS HiSOY	HS 38E20 ↗	E3,ST	3.8	R	71.0	10.5	4	126.0	923	17
Stine	40FD29 § ↗	RXF	4.0	R	71.0	10.4	1	120.3	923	18
Xitavo	XO 4084E ↗	E3,ST	4.0	R	70.9	10.7	5	124.0	922	19
Asgrow	AG33XF3 § ↗	RXF	3.3	R	70.9	10.7	1	120.3	922	20
Hoegemeyer	3894 E ↗	E3	3.8	R	70.7	10.1	1	124.0	919	21
FS HiSOY	HS 43E30 ↗	E3,ST	4.3	R	70.1	10.5	4	112.3	911	22
AgVenture	AV 41Y5E ↗	E3	4.1	MR	70.0	10.1	3	114.3	910	23
Golden Harvest	GH4214E3S ↗	E3,ST	4.2	MR	69.8	11.1	2	110.3	907	24
Asgrow	AG40XF1 § ↗	RXF,ST	4.0	R	69.4	10.3	1	137.3	902	25
Lewis	4304XF ↗	RXF	4.3	R	69.4	10.5	2	122.0	902	26
NK Brand	NK37-C1E3 § ↗	E3	3.7	R	69.0	10.4	2	118.0	897	27
Asgrow	AG35XF3 GC ↗	RXF	3.5	R	68.8	10.5	1	120.0	894	28
NK Brand	NK39-J2E3 ↗	E3	3.9	MR	68.5	10.5	2	129.3	890	29
NuTech	42N05E ↗	E3	4.2	R	68.3	10.5	4	133.7	888	30

 William Schelp william.schelp@firstseedtests.com, (573) 819-7968	Averages =	68.3	10.4	2	123.3	888
	LSD (0.10) =	3.7	0.3	2		
	LSD (0.25) =	2.0	0.2	1		
	C.V. =	5.2				Historic yield: 58.81 bu/a, 3 yr(s)

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

Report Date: 10/12/2023

† 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

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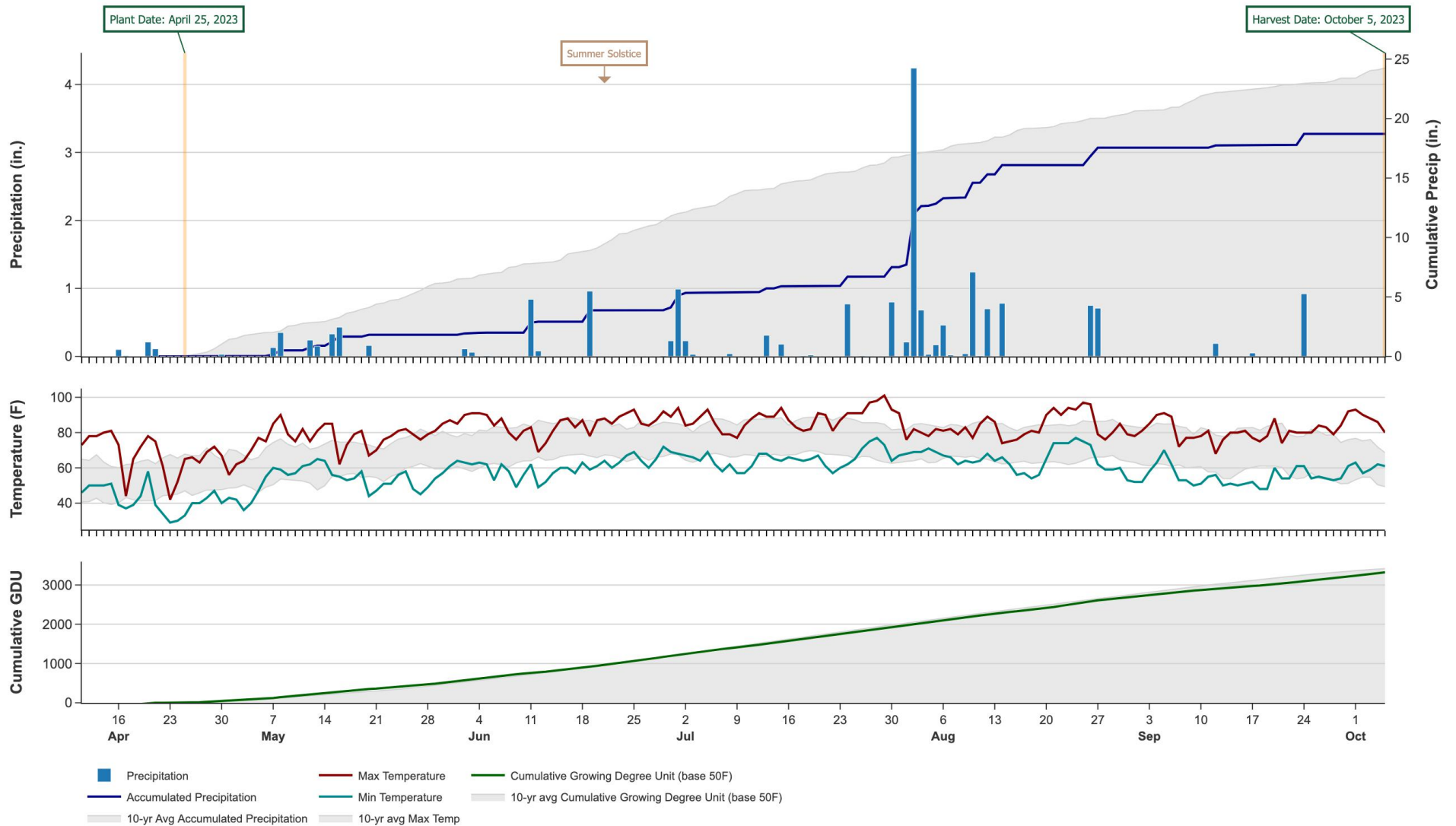
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2023 Soybeans - Missouri North [MONO]

Weather Conditions Summary at CAIRO, MO

Weather Data Retrieved: 10/12/2023

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	0.5 2.9 (-2.5)	1.8 5.2 (-3.4)	2.3 5.5 (-3.2)	3.4 5.0 (-1.6)	10.0 3.6 (+6.4)	1.2 3.0 (-1.8)	0.0 0.8 (-0.8)	19.1 26.1 (-7.0)
GDU Avg (Diff)	174 144 (+29)	488 438 (+49)	666 722 (-56)	768 801 (-33)	722 754 (-32)	524 588 (-64)	113 65 (+47)	3455 3514 (-59)



* 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.