

Test by: M.A.I.T.S. Mount Joy, PA

## 2023 Soybeans Top 30 Harvest Report

Delaware Maryland North [DMNO] UPPERCO, MD  
Doug Armacost, Carroll County, MD 21155

<b>All-Season Test</b>	Maturity Group <b>3.7 - 4.7</b> S2023DMNO04
<b>Top 30 of 48</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Glyphosate, Atrazine, Capreno
<b>SOIL DESCRIPTION:</b>	Glenelg loam, well drained, non- irrigated
<b>SOIL CONDITION:</b>	very high P, very high K, 6.1 pH, 2.8% OM, 7.6 CEC
<b>TILLAGE/CULTIVATION:</b>	No-Till
<b>PEST MANAGEMENT:</b>	Envive, Glyphosate, Assure
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	May 31 168.5 /A 15" spacing
<b>HARVESTED - STAND:</b>	Nov 8 140.0 /A

### TEST COMMENTS:

Soil moisture was dry at planting but rain came shortly after planting and beans got off to a good start. Growing conditions were good for the summer. Rainfall was scattered through the summer but it was enough to make nice yields. Harvest had no problems, with no shattering and quality was good with only minimal purpling. The overall rating of the plot is a 9 out of 10. (10=best)

Company/Brand	Product/Brand	Technol.†	RM	SCN Resist.	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Seed Consultants	SC 74442E ↗	E3	4.4	MR	<b>78.7</b>	11.0	7	140.0	1022	1
Golden Harvest	GH3913XF § ↗	RXF	3.9	R	<b>78.0</b>	10.4	19	140.0	1013	2
Revere	4299XS ↗	E3,ST	4.5	MR	<b>77.5</b>	10.1	10	140.0	1007	3
Golden Harvest	GH4222XF § ↗	RXF	4.2	R	<b>76.8</b>	10.3	4	140.0	998	4
UniSouth Genetics	7434XF ↗	RXF	4.3	MR	75.0	11.0	3	140.0	974	5
Seed Consultants	SC 7412E ↗	E3	4.1	MR	74.0	10.1	26	140.0	961	6
Pioneer	P38A28E § ↗	E3	3.8	MR	74.0	10.2	22	140.0	961	7
Xitavo	XO 4522E ↗	E3	4.5	R	73.8	10.5	7	140.0	959	8
Asgrow	AG43XF2 § ↗	RXF	4.3	NA	73.8	10.1	10	140.0	959	9
Golden Harvest	GH4343XFS ↗	RXF,ST	4.3	R	73.6	10.4	11	140.0	956	10
Hubner	H47-43XF ↗	RXF	4.7	R	73.5	10.2	10	140.0	955	11
Mid-Atlantic	MAS4723E3 ↗	E3	4.7	NA	73.0	10.7	9	140.0	948	12
Xitavo	XO 3922E ↗	E3	3.9	R	72.2	10.2	2	140.0	938	13
UniSouth Genetics	7472ETS ↗	E3,ST	4.7	S	71.7	10.7	4	140.0	931	14
Hubner	H42-31XF ↗	RXF	4.2	R	71.6	10.1	7	140.0	930	15
Asgrow	AG38XF3 § ↗	RXF	3.8	R	70.8	10.9	9	140.0	920	16
Seed Consultants	SC 7462E ↗	E3	4.6	MR	70.7	10.8	11	140.0	918	17
Xitavo	XO 4132E ↗	E3	4.1	R	70.5	10.1	14	140.0	916	18
Revere	4606XFS ↗	RXF,ST	4.6	NA	70.3	9.9	22	140.0	913	19
Golden Harvest	GH3724XFS § ↗	RXF,ST	3.7	MR	70.3	10.6	14	140.0	913	20
Xitavo	XO 4653E ↗	E3,ST	4.6	MR	70.3	11.1	7	140.0	913	21
Mid-Atlantic	MAS4021E3 ↗	E3	4.0	NA	70.2	10.6	11	140.0	912	22
Pioneer	P42T71PR § ↗	P	4.2	NA	70.0	10.6	14	140.0	909	23
Mid-Atlantic	MAS4423E3 ↗	E3	4.4	NA	70.0	10.3	10	140.0	909	24
Southern Harvest	SH 4024 E3 ↗	E3	4.0	R	69.9	10.0	7	140.0	908	25
Xitavo	XO 4364E ↗	E3,ST	4.3	R	69.8	10.3	6	140.0	907	26
Stine	37FD02 § ↗	RXF	3.7	R	69.7	10.2	6	140.0	905	27
Asgrow	AG44XF4 § ↗	RXF,ST	4.4	R	69.6	10.3	14	140.0	904	28
UniSouth Genetics	7464ET ↗	E3	4.6	MR	69.5	10.5	12	140.0	903	29
Mid-Atlantic	MAS3884GT/LL ↗	LLGT27	3.8	NA	69.4	11.1	11	140.0	902	30

*Robin Kauffman*

Rob Kauffman

rkmait@aol.com, (717) 413-0763

Averages = **69.5** **10.5** **10** **140.0** **903**

LSD (0.10) = 5.9 ns 6

LSD (0.25) = 3.1 ns 3

C.V. = 8.0

Historic yield: 44.88 bu/a, 1 yr(s)

**Yield & Income Factors:** Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$12.99

Report Date: 11/10/2023

† 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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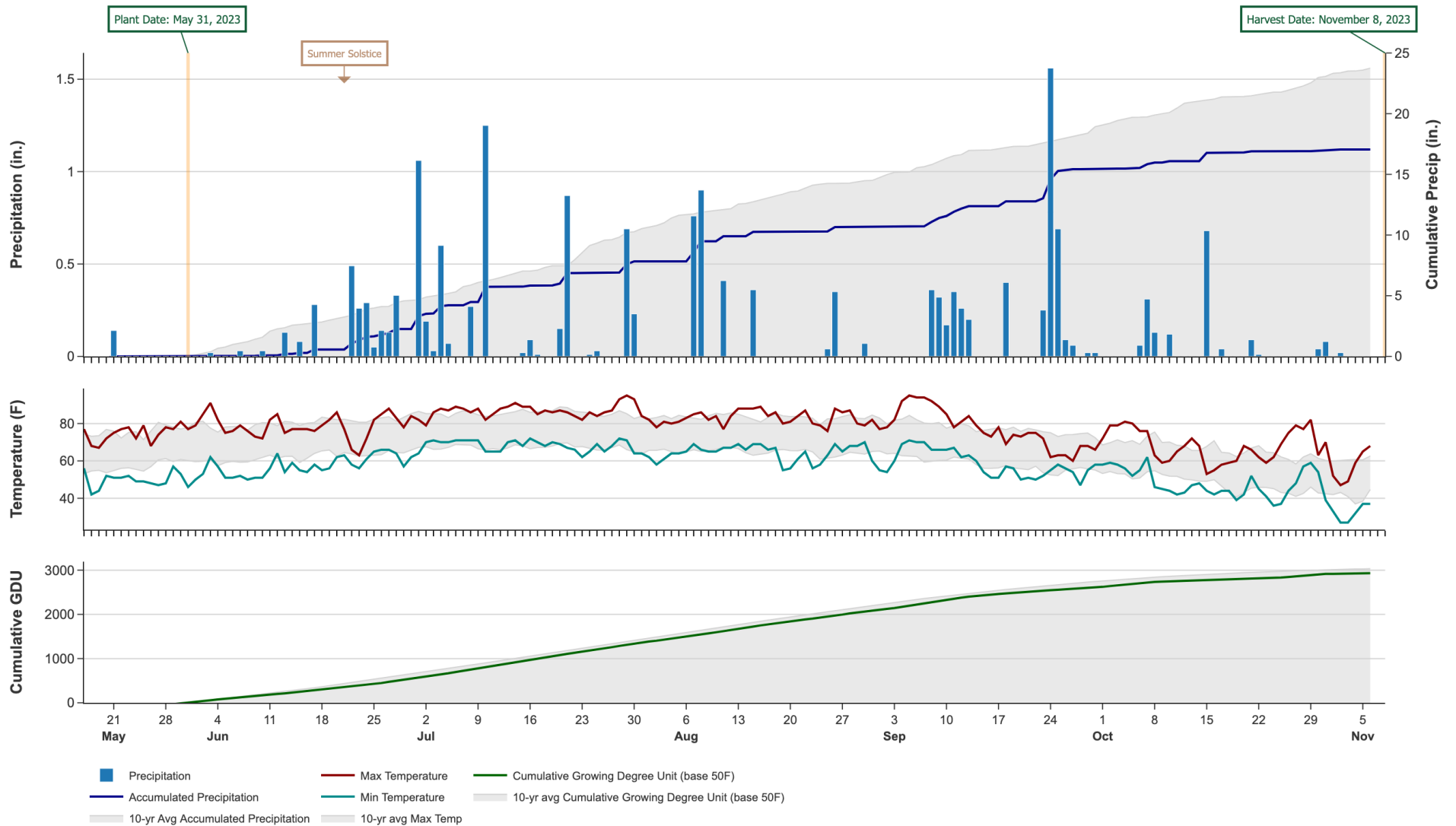
Additional reports available at [www.firstseedtests.com](http://www.firstseedtests.com)

# 2023 Soybeans - Delaware Maryland North [ DMNO ]

## Weather Conditions Summary at UPPERCO, MD

Weather Data Retrieved: 11/10/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in)   (Diff)	0.1   2.1 (-2.0)	2.3   4.6 (-2.3)	5.6   5.9 (-0.4)	2.9   4.0 (-1.1)	4.8   4.4 (+0.3)	1.6   4.1 (-2.6)	0.0   0.7 (-0.7)	17.2   25.9 (-8.7)
GDU   Avg (Diff)	196   245 (-49)	537   642 (-105)	827   810 (+16)	728   748 (-20)	516   542 (-26)	308   267 (+40)	16   21 (-5)	3128   3278 (-150)



\* 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 - Delaware Maryland North [ DMNO ]

### All-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG38XF3 §	RXF	R	3.8	ACi,IL
Asgrow	AG43XF2 §	RXF	NA	4.3	ACi,IL
Asgrow	AG44XF4 §	RXF,ST	R	4.4	ACi,IL
Chemgro	C3957E	E3	R	3.9	Untreated
Golden Harvest	GH3724XFS §	RXF,ST	MR	3.7	CMB-APX,SA
Golden Harvest	GH3913XF §	RXF	R	3.9	CMB-APX,SA
Golden Harvest	GH4222XF §	RXF	R	4.2	CMB-APX,SA
Golden Harvest	GH4343XFS	RXF,ST	R	4.3	CMB-APX,SA
Hubner	H38-43XF	RXF	R	3.8	ACi
Hubner	H42-31XF	RXF	R	4.2	ACi
Hubner	H47-43XF	RXF	R	4.7	ACi
Mid-Atlantic	MAS3884GT/LL	LLGT27	NA	3.8	PS
Mid-Atlantic	MAS3923E3	E3	NA	3.9	PS
Mid-Atlantic	MAS4021E3	E3	NA	4.0	PS
Mid-Atlantic	MAS4123E3	E3	NA	4.1	PS
Mid-Atlantic	MAS4320E3/STS	E3,ST	NA	4.3	PS
Mid-Atlantic	MAS4423E3	E3	NA	4.4	PS
Mid-Atlantic	MAS4675E3/STS	E3,ST	MR	4.6	PS
Mid-Atlantic	MAS4723E3	E3	NA	4.7	PS
Pioneer	P37A18E §	E3	MR	3.7	Lum, LumT, IL
Pioneer	P38A28E §	E3	MR	3.8	Lum, LumT, IL
Pioneer	P42T71PR §	P	NA	4.2	NA
Revere	3908XFS	RXF,ST	MR	3.9	RP
Revere	4299XS	E3,ST	MR	4.5	RP
Revere	4606XFS	RXF,ST	NA	4.6	RP
Revere	INNOTECH 4545E3S	E3,ST	MR	4.5	RP
Seed Consultants	SC 7412E	E3	MR	4.1	Lum,Lu,IL
Seed Consultants	SC 74442E	E3	MR	4.4	Lum,Lu,IL
Seed Consultants	SC 7462E	E3	MR	4.6	Lum,Lu,IL
Southern Harvest	SH 4024 E3	E3	R	4.0	Vi,Ti
Southern Harvest	SH 4622 E3	E3,ST	S	4.6	Vi,Ti
Stine	37FD02 §	RXF	R	3.7	ACi
Stine	38EG32 §	E3	R	3.8	ACi
Stine	40FD29 §	RXF	R	4.0	ACi
UniSouth Genetics	7394XFS	RXF	MR	3.9	REN
UniSouth Genetics	7424ETS	E3,ST	MR	4.2	REN
UniSouth Genetics	7434XF	RXF	MR	4.3	REN
UniSouth Genetics	7463XF	RXF	S	4.6	REN
UniSouth Genetics	7464ET	E3	MR	4.6	REN
UniSouth Genetics	7472ETS	E3,ST	S	4.7	REN
Xitavo	XO 3803E	E3,ST	MR	3.8	PV,IL,OB,Rey
Xitavo	XO 3922E	E3	R	3.9	PV,IL,OB,Rey

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
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
Xitavo	XO 4522E	E3	R	4.5	PV,IL,OB,Rey
Xitavo	XO 4653E	E3,ST	MR	4.6	PV,IL,OB,Rey
Xitavo	XO 4772E	E3	R	4.7	PV,IL,OB,Rey

## Footnotes and Abbreviations Descriptions

### Brand Footnotes

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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

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

### Soybeans Technologies

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E3	Enlist E3®
LLGT27	LibertyLink® GT27®
P	Plenish®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

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### Soybeans Seed Treatments\*

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NA	Not Available
ACi	Accelaron® Standard Insecticide-Fungicide
ACi,IL	Accelaron® Standard Insecticide-Fungicide, ILeVO
CMB-APX,SA	CruiserMaxx® APX with Saltro®
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
PS	MAS Pro-Shield (Mid-Atlantic Seeds)
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
REN	RenProPlus (UniSouth Genetics)
RP	Radius Premium (Local Seed Co)
Untreated	No seed treatment
Vi,Ti	Vibrance®, Trio

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\* Seed treatments may include unspecified plant health promoting components.