

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

2023 Soybeans Top 30 Harvest Report

Delaware Maryland North [DMNO] CHESTERTOWN, MD
Tom Mason, Kent County, MD 21620

All-Season Test	Maturity Group 3.7 - 4.7 S2023DMNO02
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Halex Gt, Simazine
SOIL DESCRIPTION:	Mattapex-Matapeake-Butlertown silt loam, well drained, non- irrigated
SOIL CONDITION:	low P, very high K, 5.3 pH, 2.0% OM, 6.1 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Glyphosate, Poast
FERTILITY - Applied N:	45 Fall
Applied N-P-K (units):	45-65-120
SEEDED - RATE - ROW:	May 25 168.5 /A 15" spacing
HARVESTED - STAND:	Oct 26 139.9 /A

TEST COMMENTS:

Soil moisture and temperature were good at planting. Emergence was very uniform, and stands were consistent. Summer rainfall was average with some dry spells in mid-summer. Harvest went well, and some varieties showed signs of purple stain but overall quality was excellent. The overall rating of the plot is an 8 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
Stine	37FD02 § ↗	RXF	3.7	R	68.9	13.0	6	140.0	847	1
Seed Consultants	SC 7412E ↗	E3	4.1	MR	66.4	12.4	2	140.0	817	2
Pioneer	P42T71PR § ↗	P	4.2	NA	66.2	12.3	6	140.0	814	3
Pioneer	P38A28E § ↗	E3	3.8	MR	65.7	13.3	14	140.0	808	4
Mid-Atlantic	MAS3923E3 ↗	E3	3.9	NA	64.5	12.8	3	140.0	793	5
Xitavo	XO 4772E ↗	E3	4.7	R	63.9	13.0	8	140.0	786	6
Xitavo	XO 3803E ↗	E3,ST	3.8	MR	63.3	12.9	7	140.0	779	7
Hubner	H38-43XF ↗	RXF	3.8	R	62.2	13.3	5	140.0	765	8
Mid-Atlantic	MAS3884GT/LL ↗	LLGT27	3.8	NA	62.1	12.8	5	137.3	764	9
Mid-Atlantic	MAS4423E3 ↗	E3	4.4	NA	61.9	13.0	3	140.0	761	10
Asgrow	AG38XF3 § ↗	RXF	3.8	R	61.7	13.0	4	140.0	759	11
Xitavo	XO 4084E ↗	E3,ST	4.0	R	61.0	13.0	4	140.0	750	12
Pioneer	P37A18E § ↗	E3	3.7	MR	61.0	13.6	1	136.0	750	13
Mid-Atlantic	MAS4723E3 ↗	E3	4.7	NA	60.8	12.9	5	140.0	748	14
Stine	38EG32 § ↗	E3	3.8	R	60.7	12.7	3	140.0	747	15
Golden Harvest	GH4222XF § ↗	RXF	4.2	R	60.7	13.1	1	140.0	746	16
UniSouth Genetics	7424ETS ↗	E3,ST	4.2	MR	60.6	13.2	2	140.0	745	17
Mid-Atlantic	MAS4320E3/STS ↗	E3,ST	4.3	NA	60.5	13.2	5	140.0	744	18
Golden Harvest	GH3724XFS § ↗	RXF,ST	3.7	MR	60.5	13.2	4	140.0	744	19
Revere	INNOTECH 4299XS ↗	E3,ST	4.5	MR	60.4	12.8	3	140.0	743	20
Xitavo	XO 3922E ↗	E3	3.9	R	60.4	13.5	2	140.0	742	21
UniSouth Genetics	7464ET ↗	E3	4.6	MR	60.2	13.1	4	140.0	740	22
Seed Consultants	SC 74442E ↗	E3	4.4	MR	60.1	13.0	6	140.0	739	23
Xitavo	XO 4522E ↗	E3	4.5	R	60.1	13.0	8	140.0	739	24
UniSouth Genetics	7472ETS ↗	E3,ST	4.7	S	60.0	13.0	5	140.0	738	25
UniSouth Genetics	7463XF ↗	RXF	4.6	S	59.9	12.9	6	140.0	737	26
Stine	40FD29 § ↗	RXF	4.0	R	59.9	12.7	3	140.0	737	27
UniSouth Genetics	7434XF ↗	RXF	4.3	MR	59.9	13.1	3	140.0	737	28
Golden Harvest	GH4343XFS ↗	RXF,ST	4.3	R	59.8	13.0	2	140.0	736	29
Seed Consultants	SC 7462E ↗	E3	4.6	MR	59.7	13.0	6	140.0	734	30

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Averages = **60.0** **13.1** **5** **139.9** **737**

LSD (0.10) = 4.7 ns 3

LSD (0.25) = 2.4 ns 2

C.V. = 7.4

Historic yield: 55.25 bu/a, 6 yr(s)

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.0

Drying = \$0.02

Prices: GMO = \$12.30

Report Date: 10/28/2023

† 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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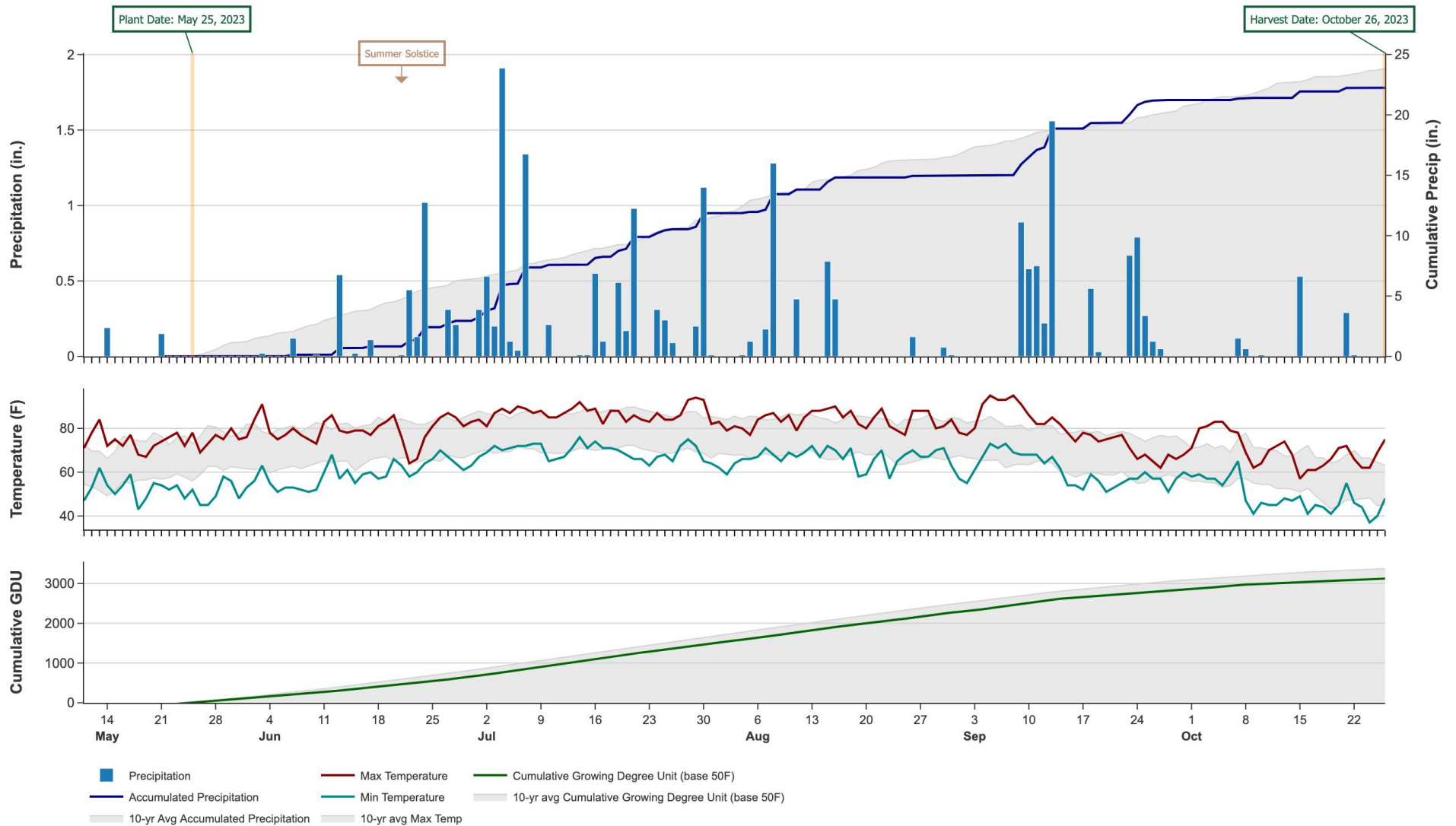
Additional reports available at www.firstseedtests.com

2023 Soybeans - Delaware Maryland North [DMNO]

Weather Conditions Summary at CHESTERTOWN, MD

Weather Data Retrieved: 10/28/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	0.3 3.4 (-3.0)	2.9 5.2 (-2.2)	8.9 5.2 (+3.8)	3.2 5.0 (-1.9)	6.2 4.2 (+2.0)	1.0 3.1 (-2.1)	22.6 26.1 (-3.5)
GDU Avg (Diff)	288 334 (-46)	576 695 (-119)	844 862 (-18)	770 803 (-33)	562 606 (-44)	292 284 (+7)	3332 3587 (-255)



* 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.

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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	4606XFS	RXF,ST	NA	4.6	RP
Revere	INNOTECH 4299XS	E3,ST	MR	4.5	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

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

Soybeans Seed Treatments*

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

* Seed treatments may include unspecified plant health promoting components.