

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

2022 Soybeans Top 30 Harvest Report

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

All-Season Test	Maturity Group 3.7 - 4.7 S2022DMNO04
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Glyphosate, Lumax, Atrazine
SOIL DESCRIPTION:	Glenelg loam, well drained, non- irrigated
SOIL CONDITION:	very high P, very high K, 6.0 pH, 3.3% OM, 7.4 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Glyphosate, Raptor, Cleanse
FERTILITY - Applied N:	25 Spring
Applied N-P-K (units):	25-50-75
SEEDED - RATE - ROW:	Jun 16 168.0 /A 15" spacing
HARVESTED - STAND:	Nov 26 149.1 /A

TEST COMMENTS:

Planted in no-till corn stubble with very wet soil conditions. Residue and the wet soil caused some poor seed to soil contact and less than desirable stands. Rainfall for the summer was above average and soybeans did get some decent height but the pod set was not very good. Soybean size at harvest was very small (BB's). Not sure why yields did not do better but farmers in the area experienced the same results. The overall rating of the plot is a 6 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
Xitavo	XO 3803E ↗	E3,ST	3.8	MR	55.6	9.4	3	151.0	771	1
Seed Consultants	SC 7472E ↗	E3	4.7	MR	55.3	9.8	7	151.0	766	2
NK Brand	NK39-T5E3S § ↗	E3,ST	3.9	R	55.1	9.9	9	151.0	764	3
Zinesto	Z3903E ↗	E3	3.9	R	55.0	10.5	4	151.0	762	4
Xitavo	XO 3922E ↗	E3	3.9	R	53.8	10.1	3	145.3	746	5
Xitavo	XO 4522E ↗	E3	4.5	R	53.0	10.7	5	151.0	735	6
Mid-Atlantic	MAS3822E3/STS ↗	E3,ST	3.9	NA	49.7	10.2	3	151.0	689	7
Asgrow	AG47XF3 § ↗	RXF,ST	4.7	R	49.4	10.0	5	151.0	685	8
Seed Consultants	SC 7381E ↗	E3	3.8	NA	49.2	9.6	6	145.3	682	9
Hubner	H48-31XF ↗	RXF	4.8	R	48.9	9.6	6	151.0	678	10
Golden Harvest	GH3762E3S ↗	E3,ST	3.7	MR	48.8	9.9	9	145.3	676	11
Stine	38EF32 § ↗	E3	3.8	R	48.7	10.4	6	151.0	675	12
Xitavo	XO 4371E ↗	E3	4.3	R	48.7	9.9	3	151.0	675	13
Revere	4606XFS ↗	RXF,ST	4.6	NA	48.6	9.6	14	151.0	674	14
NK Brand	NK45-V9E3 ↗	E3	4.5	R	48.6	10.4	6	151.0	674	15
MorSoy	MS 4852 XF ↗	RXF	4.8	R	48.2	9.6	7	151.0	668	16
Mid-Atlantic	MAS4675E3/STS ↗	E3,ST	4.6	MR	48.1	10.5	3	151.0	667	17
Stine	41EE62 § ↗	E3	4.1	R	48.0	9.8	11	151.0	665	18
Golden Harvest	GH4343XFS ↗	RXF,ST	4.3	R	48.0	10.0	3	151.0	665	19
Hubner	H42-31XF ↗	RXF	4.2	R	47.6	9.5	4	151.0	660	20
Pioneer	P42T71PR § ↗	P	4.2	NA	47.6	9.6	6	145.3	660	21
Xitavo	XO 4722E ↗	E3	4.7	MR	46.5	10.3	7	151.0	644	22
Xitavo	XO 3861E ↗	E3	3.8	R	46.1	9.7	8	151.0	639	23
MorSoy	MS 4640 XF ↗	RXF,ST	4.6	MR	46.1	9.4	7	151.0	639	24
Asgrow	AG41XF2 § ↗	RXF	4.1	R	45.6	10.3	4	151.0	632	25
Seed Consultants	SC 7412E ↗	E3	4.1	MR	45.4	9.0	6	151.0	629	26
Hubner	H47-43XF ↗	RXF	4.7	R	45.3	10.2	4	151.0	628	27
Golden Harvest	GH4222XF § ↗	RXF	4.2	R	45.3	9.7	3	151.0	628	28
Xitavo	XO 4132E ↗	E3	4.1	R	45.0	10.3	4	151.0	624	29
Mid-Atlantic	MAS4622E3 ↗	E3,ST	4.6	NA	44.6	9.8	6	151.0	618	30

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Averages = **44.7** **10.1** **6** **149.1** **620**

LSD (0.10) = 8.1 ns 3

LSD (0.25) = 4.3 ns 2

C.V. = 17.3

Historic yield: new site

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$13.86

Report Date: 11/28/2022

† 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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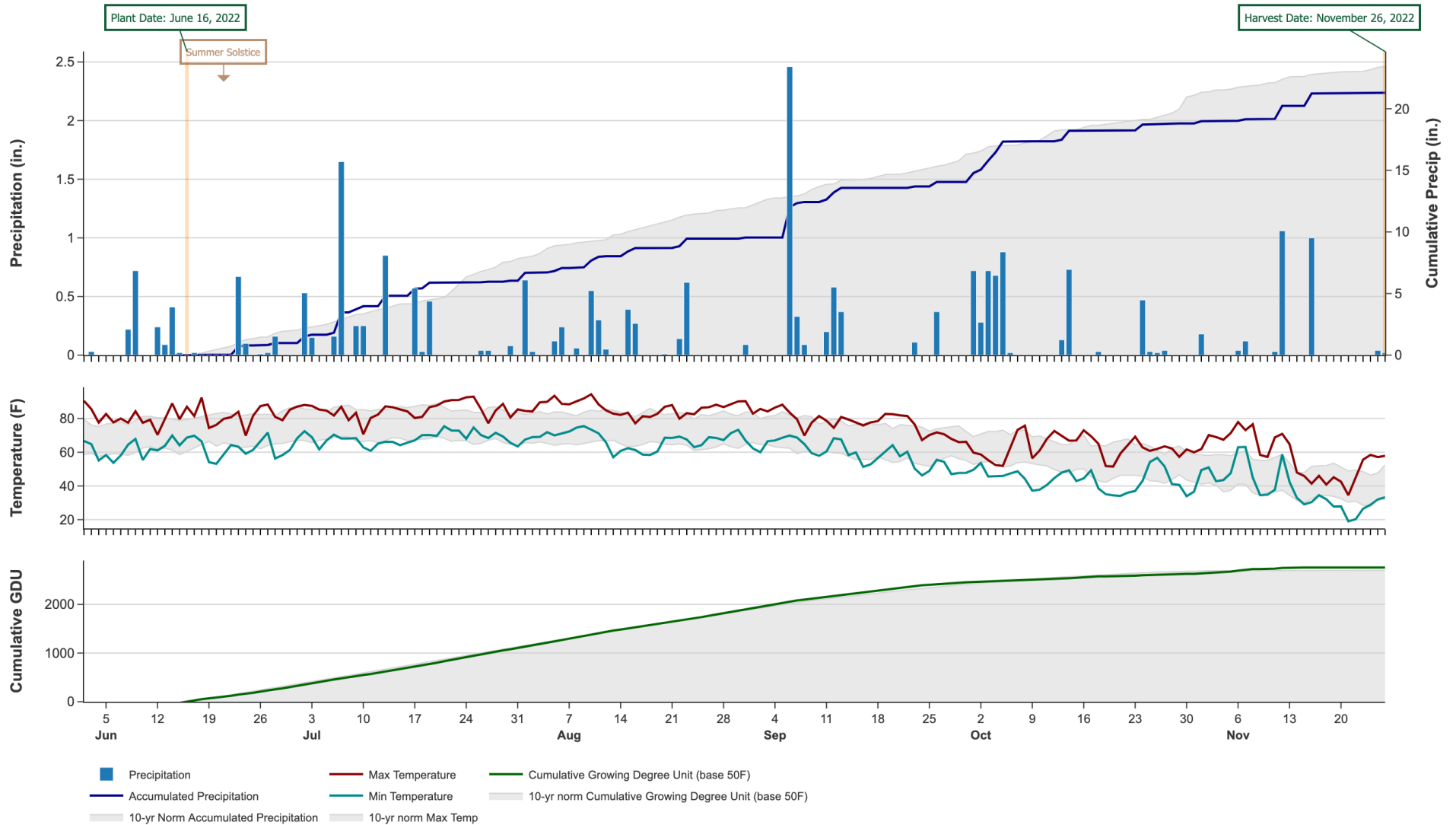
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2022 Soybeans - Delaware Maryland North [DMNO]

Weather Conditions Summary at UPPERCO, MD

Weather Data Retrieved: 11/28/2022

Monthly Total	Jun*	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) Normal (Diff)	2.7 4.7 (-1.9)	5.1 5.9 (-0.8)	3.5 4.1 (-0.6)	4.5 4.3 (+0.2)	4.8 4.8 (-0.0)	2.5 2.3 (+0.2)	23.0 26.1 (-3.1)
GDU Normal (Diff)	619 617 (+1)	805 811 (-6)	803 740 (+62)	549 536 (+12)	174 275 (-101)	129 10 (+118)	3079 2990 (+88)



* 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 (54 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG38XF1 §	RXF	R	3.8	ACi
Asgrow	AG41XF2 §	RXF	R	4.1	ACi,IL
Asgrow	AG47XF3 §	RXF,ST	R	4.7	ACi,IL
Chemgro	C3755XF	RXF	R	3.7	CGT
Chemgro	C3855E	E3	R	3.8	CGT
Golden Harvest	GH3762E3S	E3,ST	MR	3.7	CMBV,SA
Golden Harvest	GH4093E3 §	E3	R	4.0	CMBV,SA
Golden Harvest	GH4222XF §	RXF	R	4.2	CMBV,SA
Golden Harvest	GH4343XFS	RXF,ST	R	4.3	CMBV,SA
Hubner	H39-31XF	RXF	R	3.9	ACi
Hubner	H42-31XF	RXF	R	4.2	ACi
Hubner	H47-43XF	RXF	R	4.7	ACi
Hubner	H48-31XF	RXF	R	4.8	ACi
Innotech	3958E3S	E3,ST	MR	3.9	RP
Innotech	4737E3	E3	MR	4.7	RP
Mid-Atlantic	MAS3822E3/STS	E3,ST	NA	3.9	PS
Mid-Atlantic	MAS4021E3	E3	NA	4.0	PS
Mid-Atlantic	MAS4320E3/STS	E3,ST	NA	4.3	PS
Mid-Atlantic	MAS4622E3	E3,ST	NA	4.6	PS
Mid-Atlantic	MAS4675E3/STS	E3,ST	MR	4.6	PS
Mid-Atlantic	MAS4721E3/STS	E3,ST	NA	4.7	PS
MorSoy	MS 4640 XF	RXF,ST	MR	4.6	AVC,C5,Vi
MorSoy	MS 4852 XF	RXF	R	4.8	AVC,C5,Vi
NK Brand	NK39-T5E3S §	E3,ST	R	3.9	CMBV,SA
NK Brand	NK43-P7E3S	E3,ST	R	4.3	CMBV,SA
NK Brand	NK45-V9E3	E3	R	4.5	CMBV,SA
Pioneer	P42T71PR §	P	NA	4.2	NA
Public	MONOCACY GC	CONV	MR	4.0	NA
Revere	4128XFS	RXF,ST	MR	4.1	RP
Revere	4415XF	RXF	NA	4.4	RP
Revere	4526XF	RXF	MR	4.5	RP
Revere	4606XFS	RXF,ST	NA	4.6	RP
Seed Consultants	SC 7381E	E3	NA	3.8	Lum,Lu,IL
Seed Consultants	SC 7412E	E3	MR	4.1	Lum,Lu,IL
Seed Consultants	SC 7462E	E3	MR	4.6	Lum,Lu,IL
Seed Consultants	SC 7472E	E3	MR	4.7	Lum,Lu,IL
Seed Genetics Direct	AGI0743AE	E3	NA	4.3	NA
Southern Harvest	SH 4022 E3	E3	R	4.0	MAX
Southern Harvest	SH 4622 E3	E3	S	4.6	MAX
Southern Harvest	SH 4923 E3	E3	S	4.7	MAX
Stine	38EF32 §	E3	R	3.8	SFI
Stine	40EB22 §	E3	R	4.0	SFI

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Stine	41EE62 §	E3	R	4.1	SFI
Uni South Genetics	USG7392XFS GC	RXF,ST	R	3.9	ACi
Uni South Genetics	USG7461XFS GC	RXF,ST	R	4.6	ACi
Xitavo	XO 3803E	E3,ST	MR	3.8	PV,IL,OB,Rey
Xitavo	XO 3861E	E3	R	3.8	PV,IL,OB,Rey
Xitavo	XO 3922E	E3	R	3.9	PV,IL,OB,Rey
Xitavo	XO 4132E	E3	R	4.1	PV,IL,OB,Rey
Xitavo	XO 4371E	E3	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 4722E	E3	MR	4.7	PV,IL,OB,Rey
Zinesto	Z3903E	E3	R	3.9	DST4

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

CONV	Conventional
E3	Enlist™ E3
P	Plenish®
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
AVC,C5,Vi	Avicta® Complete 500, Vibrance
CGT	Chemgro gro-Tek (Chemgro Seed)
CMBV,SA	Cruisermass® Beans, Vibrance®, Salto®
DST4	Dominance 4 ST
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
MAX	Maximize (Meherrin Ag)
PS	MAS Pro-Shield
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
RP	Radius Premium (Local Seed Co)
SFI	Stine XP F&I

* Seed treatments may include unspecified plant health promoting components.