

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

2022 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**
S2022DMNO02

Top 30 of 54 For Gross Income
(Sorted by Yield)
Average of (3) Replications

PREV. CROP/HERB: Corn, Rye Cover Crop / NA

SOIL DESCRIPTION: Matapeake silt loam, well
drained, non-irrigated

SOIL CONDITION: very high P, very high K, 6.1 pH,
3.5% OM, 8.4 CEC

TILLAGE/CULTIVATION: Minimum W/O Fall Till

PEST MANAGEMENT: Raptor, Cleanse

Applied N-P-K (units): 0-90-145

SEEDED - RATE - ROW: Jun 15 168.0 /A 15" spacing

HARVESTED - STAND: Dec 13 160.0 /A

TEST COMMENTS:

Planting conditions were excellent. Growing conditions for the summer were good. Rainfall seemed to come in bunches, when it rained it soaked the ground. Temperatures were high but the soybeans never seemed to be stressed. It was a good combination of rain and sunny days that gave these yields. 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
Xitavo	XO 3922E ↗	E3	3.9	R	84.5	16.1	3	160.0	1207	1
Golden Harvest	GH4343XFS ↗	RXF,ST	4.3	R	83.4	16.9	14	160.0	1190	2
Xitavo	XO 4522E ↗	E3	4.5	R	82.8	16.5	16	160.0	1182	3
Xitavo	XO 4132E ↗	E3	4.1	R	81.5	16.5	17	160.0	1164	4
Hubner	H42-31XF ↗	RXF	4.2	R	81.1	16.6	10	160.0	1158	5
Stine	40EB22 § ↗	E3	4.0	R	79.9	16.8	10	160.0	1141	6
Mid-Atlantic	MAS4021E3 ↗	E3	4.0	NA	79.7	16.3	14	160.0	1138	7
Golden Harvest	GH4222XF § ↗	RXF	4.2	R	79.3	16.2	9	160.0	1133	8
Seed Genetics Direct	AGI0743AE ↗	E3	4.3	NA	78.8	16.7	11	160.0	1125	9
Innotech	3958E3S ↗	E3,ST	3.9	MR	78.5	16.8	15	160.0	1121	10
Seed Consultants	SC 7412E ↗	E3	4.1	MR	78.2	16.5	11	160.0	1117	11
Xitavo	XO 4722E ↗	E3	4.7	MR	78.1	16.4	17	160.0	1115	12
Golden Harvest	GH4093E3 § ↗	E3	4.0	R	77.7	16.6	9	160.0	1109	13
Mid-Atlantic	MAS4622E3 ↗	E3,ST	4.6	NA	77.5	16.4	11	160.0	1107	14
Mid-Atlantic	MAS4721E3/STS ↗	E3,ST	4.7	NA	77.3	16.7	17	160.0	1104	15
Stine	38EF32 § ↗	E3	3.8	R	77.2	16.3	9	160.0	1103	16
Seed Consultants	SC 7381E ↗	E3	3.8	NA	77.0	16.1	6	160.0	1100	17
Hubner	H48-31XF ↗	RXF	4.8	R	76.4	16.2	9	160.0	1091	18
Asgrow	AG47XF3 § ↗	RXF,ST	4.7	R	76.4	16.3	14	160.0	1091	19
Xitavo	XO 4371E ↗	E3	4.3	R	76.3	16.6	10	160.0	1089	20
NK Brand	NK43-P7E3S ↗	E3,ST	4.3	R	76.2	16.1	14	160.0	1089	21
MorSoy	MS 4640 XF ↗	RXF,ST	4.6	MR	76.1	16.4	19	160.0	1087	22
Xitavo	XO 3861E ↗	E3	3.8	R	75.8	16.1	3	160.0	1083	23
Uni South Genetics	USG7461XFS GC ↗	RXF,ST	4.6	R	75.2	16.6	19	160.0	1074	24
Stine	41EE62 § ↗	E3	4.1	R	74.7	16.5	22	160.0	1067	25
Southern Harvest	SH 4022 E3 ↗	E3	4.0	R	73.6	16.2	11	160.0	1051	26
Chemgro	C3755XF ↗	RXF	3.7	R	73.4	15.8	5	160.0	1049	27
Mid-Atlantic	MAS4675E3/STS ↗	E3,ST	4.6	MR	73.4	16.8	14	160.0	1048	28
Xitavo	XO 3803E ↗	E3,ST	3.8	MR	72.9	16.5	7	160.0	1041	29
Innotech	4737E3 ↗	E3	4.7	MR	72.5	16.4	10	160.0	1035	30

Robin Kauffman

Averages = **73.6** **16.5** **13** **160.0** **1052**

LSD (0.10) = 5.5 0.3 5

LSD (0.25) = 2.9 0.2 3

Rob Kauffman

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C.V. = 7.1 Historic yield: 48.67 bu/a, 5 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$14.35

Report Date: 12/14/2022

† 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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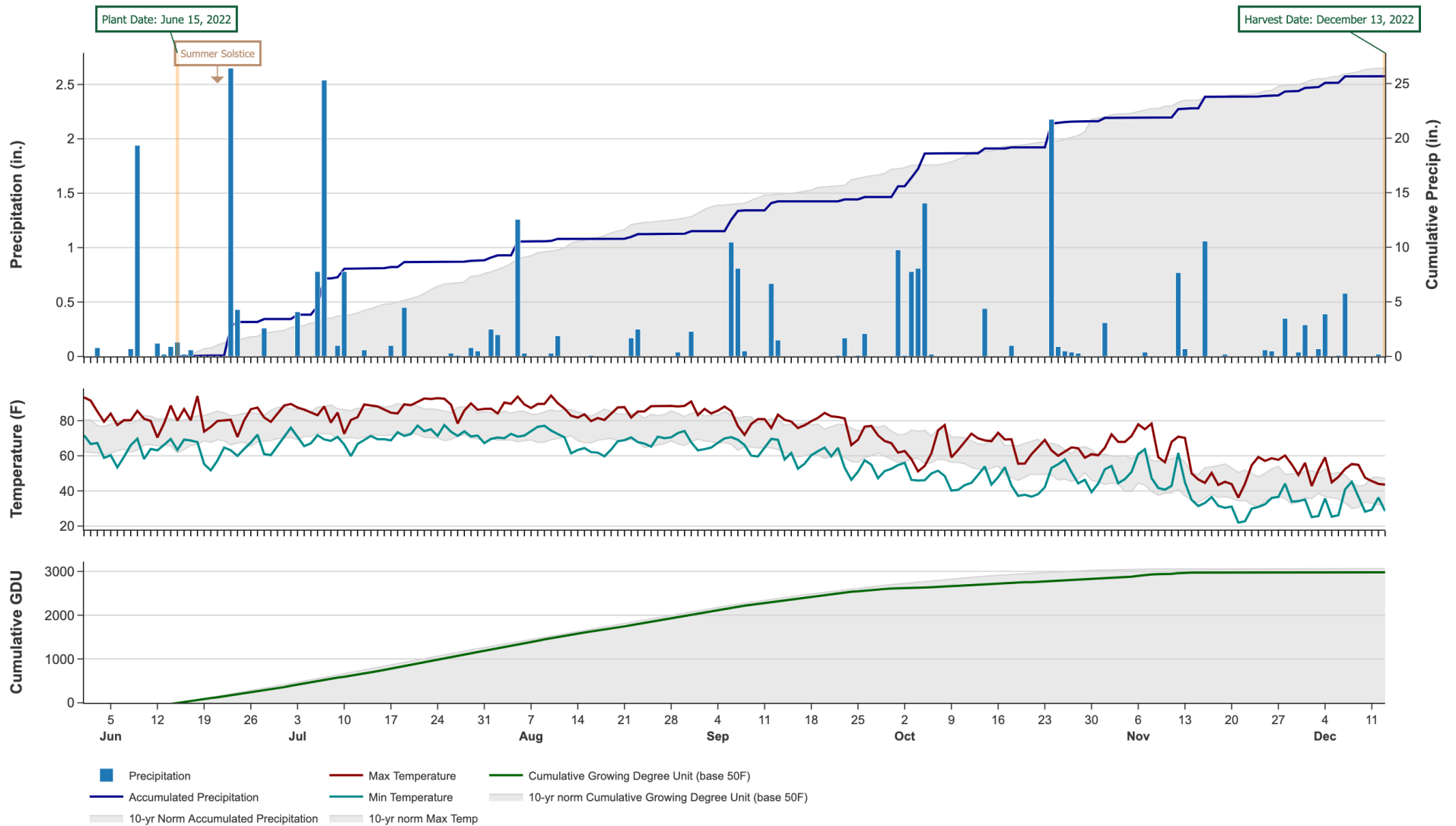
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2022 Soybeans - Delaware Maryland North [DMNO]

Weather Conditions Summary at CHESTERTOWN, MD

Weather Data Retrieved: 12/14/2022

Monthly Total	Jun*	Jul	Aug	Sep	Oct	Nov	Dec*	Total
Precip (in) Normal (Diff)	5.9 5.0 (+0.8)	5.4 5.3 (+0.1)	2.7 5.2 (-2.5)	3.1 4.3 (-1.2)	6.9 4.7 (+2.3)	2.8 3.1 (-0.3)	1.4 1.5 (-0.1)	28.1 29.1 (-1.0)
GDU Normal (Diff)	668 708 (-40)	856 878 (-22)	835 815 (+19)	588 621 (-33)	219 331 (-112)	149 30 (+118)	3 0 (+3)	3318 3386 (-68)



* 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.