

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

2021 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 S2021DMNO02
Top 30 of 60	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Oat / Lumax
SOIL DESCRIPTION:	sandy loam, mod. well drained, non-irrigated
SOIL CONDITION:	low P, medium K, 5.2 pH, 2.0% OM, 6.3 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Glyphosate
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 10 177.0 /A 15" spacing
HARVESTED - STAND:	Nov 11 156.7 /A

TEST COMMENTS:

Soybeans started well, with uniform emergence with uniform stand population. The dry and hot weather from mid-July to August hurt bean yields. Some varieties only reached a little over 12" high, although that does not always reflect yield. All varieties experienced yield loss. Plants were standing straight and were easy to harvest. Purple stain was evident in all varieties at different levels. The overall rating of the plot is a 7 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
Mid-Atlantic	MAS4021E3 ↗	E3	4.0	NA	59.4	12.2	1	157.0	672	1
Stine	47EE02 § ↗	E3	4.7	R	56.4	12.3	1	157.0	638	2
Hubner	H47-30XF ↗	RXF	4.7	R	55.9	11.6	1	157.0	633	3
Mid-Atlantic	MAS4120E3 ↗	E3	4.1	NA	53.8	11.8	1	157.0	609	4
Seed Consultants	SC 7421E ↗	E3	4.2	NA	53.7	12.7	1	157.0	608	5
UniSouth Genetics	74B58 GC ↗	RR,ST	4.5	R	53.4	12.5	1	157.0	604	6
Local Seed	LS4517XFS ↗	RXF	4.5	NA	53.3	12.3	1	157.0	603	7
NK Brand	NK43-V8XF ↗	RXF	4.3	MR	53.1	12.3	1	157.0	601	8
Mid-Atlantic	MAS3884GT/LL/STS ↗	LLGT27	3.8	NA	52.9	12.2	2	157.0	599	9
Southern Harvest	4022 ↗	E3	4.0	R	52.4	12.3	1	157.0	593	10
NK Brand	NK37-V4E3S § ↗	E3,ST	3.7	MR	52.1	12.6	1	157.0	590	11
Local Seed	LS4606XFS ↗	RXF	4.6	NA	51.7	11.6	2	157.0	585	12
Xitavo	XO 4132E ↗	E3	4.1	R	51.7	12.2	1	157.0	585	13
Pioneer	P46T27E § ↗	E3	4.6	NA	51.4	12.1	1	157.0	582	14
Hubner	H48-31XF ↗	RXF	4.8	R	50.5	12.5	2	157.0	572	15
Southern Harvest	4622 ↗	E3	4.6	S	50.5	12.6	1	157.0	572	16
Southern Harvest	4820 ↗	E3,ST	4.7	S	50.5	12.6	1	157.0	572	17
NK Brand	NK39-A1XF § ↗	RXF	3.9	R	50.3	12.2	1	157.0	569	18
Mid-Atlantic	MAS4320E3 ↗	E3	4.3	NA	50.3	12.6	1	157.0	569	19
Pioneer	P42A96X § ↗	RRX	4.2	MR	50.0	12.6	1	157.0	566	20
Mid-Atlantic	MAS4675E3/STS ↗	E3,ST	4.6	MR	49.9	12.5	1	157.0	565	21
Pioneer	P38A92X § ↗	RRX	3.8	NA	49.9	12.6	3	157.0	565	22
Local Seed	IS3715E3 ↗	E3	3.7	NA	49.6	13.0	1	157.0	561	23
Xitavo	XO 3922E ↗	E3	3.9	R	49.5	12.6	1	157.0	560	24
MorSoy	MS 4640F GC ↗	RXF,ST	4.6	MR	48.9	11.9	1	157.0	554	25
Xitavo	XO 4772E ↗	E3	4.7	R	48.7	12.3	1	157.0	551	26
Hubner	H42-31XF ↗	RXF	4.2	R	48.5	12.9	1	157.0	549	27
Local Seed	LS3908XFS ↗	RXF	3.9	NA	48.4	12.3	1	157.0	548	28
Xitavo	XO 4371E ↗	E3	4.3	R	48.3	12.3	1	157.0	547	29
Xitavo	XO 3861E ↗	E3,ST	3.8	R	48.2	12.4	1	157.0	546	30

Robin Kauffman

Averages = **47.8** **12.5** **1** **156.7** **541**

LSD (0.10) = 5.1 0.4 1

LSD (0.25) = 2.7 0.2 0

Rob Kauffman

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

C.V. = 10.2 Historic yield: 49.29 bu/a, 4 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$11.32

Report Date: 11/12/2021

† 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. ↗ New! Links to full product yield results at www.firstseedtests.com

©2021, All rights reserved by Elite Field Genetics, LLC

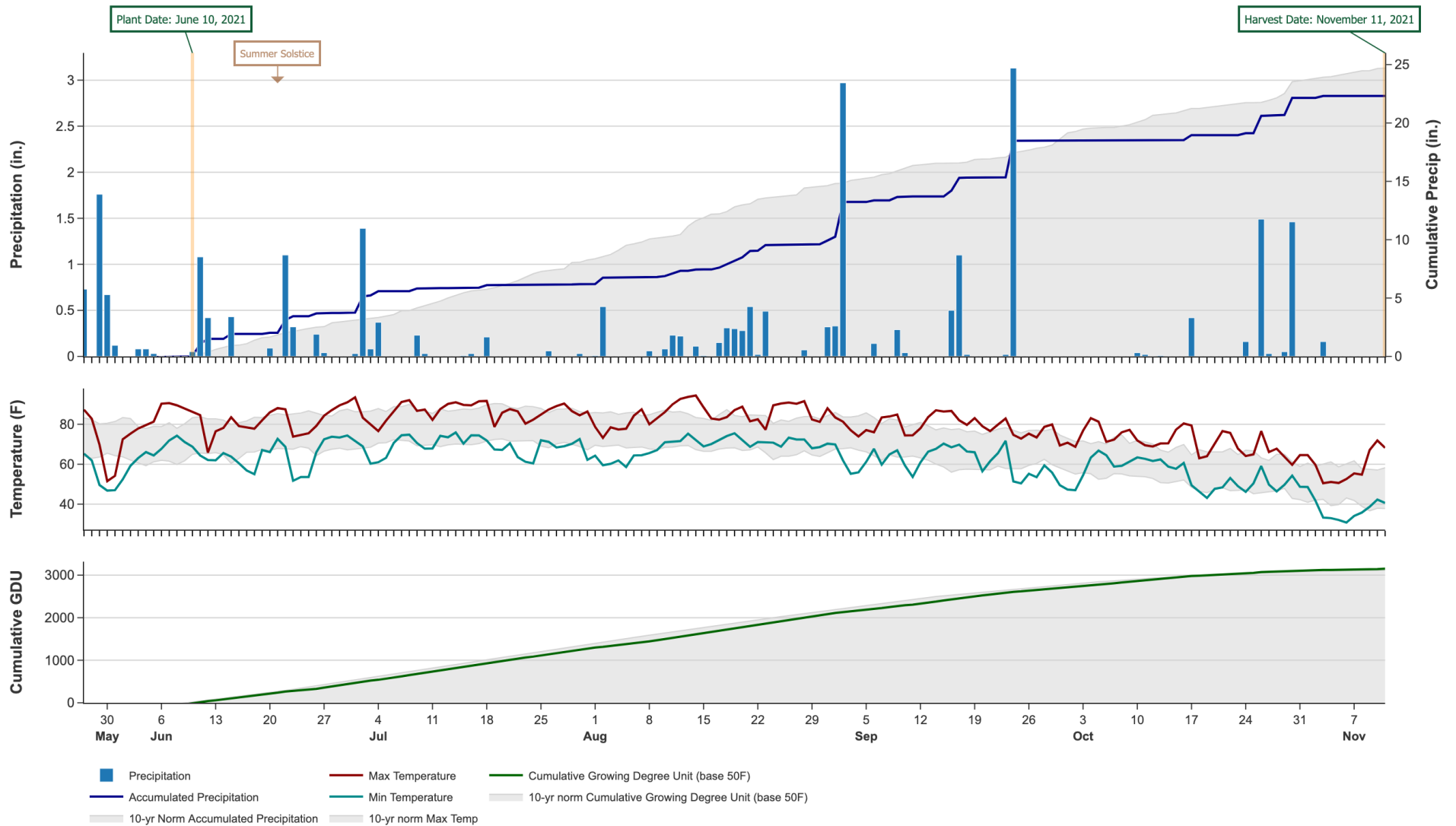
Additional reports available at www.firstseedtests.com

2021 Soybeans - Delaware Maryland North [DMNO]

Weather Conditions Summary at CHESTERTOWN, MD

Weather Data Retrieved: 11/12/2021

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) Normal (Diff)	3.3 0.6 (+2.7)	4.0 4.3 (-0.4)	2.5 5.2 (-2.8)	3.7 6.4 (-2.6)	8.5 4.0 (+4.5)	3.7 5.0 (-1.3)	0.2 1.1 (-0.9)	25.8 26.6 (-0.8)
GDU Normal (Diff)	60 114 (-54)	684 711 (-27)	831 870 (-39)	806 798 (+7)	610 607 (+2)	416 305 (+110)	41 31 (+9)	3448 3439 (+8)



* 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.

2021 Soybeans - Delaware Maryland North [DMNO]

All-Season Test Products (60 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Asgrow	AG38XF1 §	RXF	R	3.8	ACi,IL
Asgrow	AG40XF1 §	RXF	R	4.0	ACi,IL
Asgrow	AG47XF0 §	RXF	R	4.7	NA
Chemgro	C3755XF	RXF	R	3.7	Untreated
Chemgro	C3855E	E3	R	3.8	Untreated
Credenz	CZ 3930GTLL	LLGT27	R	3.9	PV,IL,OB
Credenz	CZ 4202XF	RXF	R	4.2	PV,IL,OB
Credenz	CZ 4241GTLL	LLGT27	NA	4.2	PV,IL,OB
Credenz	CZ 4562XF	RXF	R	4.5	PV,IL,OB
Credenz	CZ 4701GTLL	LLGT27	R	4.7	PV,IL,OB
Credenz	CZ 4742XF	RXF	R	4.7	PV,IL,OB
Hubner	H39-31XF	RXF	R	3.9	AC
Hubner	H42-31XF	RXF	R	4.2	AC
Hubner	H47-30XF	RXF	R	4.7	AC
Hubner	H48-31XF	RXF	R	4.8	AC
Local Seed	IS3715E3	E3	NA	3.7	RP
Local Seed	LS3717XF	RXF	NA	3.7	RP
Local Seed	LS3908XFS	RXF	NA	3.9	RP
Local Seed	LS4415XF	RXF	NA	4.4	RP
Local Seed	LS4517XFS	RXF	NA	4.5	RP
Local Seed	LS4606XFS	RXF	NA	4.6	RP
Local Seed	LS4707XF	RXF	NA	4.7	RP
Local Seed	LS4795XS	RRX,ST	R	4.7	RP
Loyal	L3940E	E3	R	3.9	CMBV,SA
Mid-Atlantic	MAS3721E3/STS	E3,ST	NA	3.7	PS
Mid-Atlantic	MAS3884GT/LL/STS	LLGT27	NA	3.8	PS
Mid-Atlantic	MAS4021E3	E3	NA	4.0	PS
Mid-Atlantic	MAS4077GT/STS	RR,ST	NA	4.0	PS
Mid-Atlantic	MAS4120E3	E3	NA	4.1	PS
Mid-Atlantic	MAS4320E3	E3	NA	4.3	PS
Mid-Atlantic	MAS4399GT/STS	RR,ST	NA	4.3	PS
Mid-Atlantic	MAS4675E3/STS	E3,ST	MR	4.6	PS
MorSoy	MS 4640F GC	RXF,ST	MR	4.6	AVC,C5,Vi
MorSoy	MS 4850F GC	RRX,ST	MR	4.8	AVC,C5,Vi
NK Brand	NK37-V4E3S §	E3,ST	MR	3.7	CMBV,SA
NK Brand	NK39-A1XF §	RXF	R	3.9	CMBV,SA
NK Brand	NK39-T5E3S §	E3,ST	R	3.9	CMBV,SA
NK Brand	NK43-V8XF	RXF	MR	4.3	CMBV,SA
Pioneer	P38A92X §	RRX	NA	3.8	Untreated
Pioneer	P42A96X §	RRX	MR	4.2	Untreated
Pioneer	P46T27E §	E3	NA	4.6	Untreated
Seed Consultants	SC 7372E	E3	NA	3.7	Lum,IL

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Seed Consultants	SC 7381E	E3	NA	3.8	Lum,IL
Seed Consultants	SC 7421E	E3	NA	4.2	Lum,IL
Seed Consultants	SC 7461E	E3	NA	4.6	Lum,IL
Seed Genetics Direct	AGI0743AE GC	E3	NA	4.3	NA
Southern Harvest	4022	E3	R	4.0	MAX
Southern Harvest	4622	E3	S	4.6	MAX
Southern Harvest	4820	E3,ST	S	4.7	MAX
Stine	39EC22 §	E3	R	3.9	SFI
Stine	40EC20 §	E3	R	4.0	SFI
Stine	47EE02 §	E3	R	4.7	SFI
UniSouth Genetics	7451ET GC	E3	S	4.5	Untreated
UniSouth Genetics	74B58 GC	RR,ST	R	4.5	Untreated
Xitavo	XO 3861E	E3,ST	R	3.8	PV,IL,OB
Xitavo	XO 3922E	E3	R	3.9	PV,IL,OB
Xitavo	XO 4132E	E3	R	4.1	PV,IL,OB
Xitavo	XO 4371E	E3	R	4.3	PV,IL,OB
Xitavo	XO 4522E	E3,ST	R	4.5	PV,IL,OB
Xitavo	XO 4772E	E3	R	4.7	PV,IL,OB

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®
RR	Roundup Ready®
RRX	Roundup Ready 2 Xtend®
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
AC	Acceleron® unspecified
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
AVC,C5,Vi	Avicta® Complete 500, Vibrance
CMBV,SA	Cruisemaxx® Beans, Vibrance®, Saltro®
Lum,IL	LumiGEN™ plus ILeVO
MAX	Maximize (Meherrin Ag)
PS	MAS Pro-Shield
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
RP	Radius Premium (Local Seed Co)
SFI	Stine XP F&I
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.