

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

## 2021 Soybeans Top 30 Harvest Report

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

<b>All-Season Test</b>	Maturity Group <b>3.7 - 4.7</b> S2021DMNO01
<b>Top 30 of 60</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Capreno, Atrazine, Glyphosate
<b>SOIL DESCRIPTION:</b>	silty clay loam, mod. well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, very high K, 6.0 pH, 3.0% OM, 6.8 CEC
<b>TILLAGE/CULTIVATION:</b>	No-Till
<b>PEST MANAGEMENT:</b>	Gramoxone, 2,4-D, Thunderstorm
<b>FERTILITY - Applied N:</b>	21 Spring
<b>Applied N-P-K (units):</b>	21-50-90
<b>SEDED - RATE - ROW:</b>	Jun 8 177.0 /A 15" spacing
<b>HARVESTED - STAND:</b>	Nov 25 172.6 /A

### TEST COMMENTS:

*We got rained out halfway through planting finished the next day. Soil moisture was excellent and soybeans got off to a fast start. There was above-average rainfall for all of the growing season. Soybean quality was good with very little purple stain. Soybean moisture at harvest was low but no shattering was observed. 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
Xitavo	XO 4522E ↗	E3,ST	4.5	R	<b>80.9</b>	10.2	3	175.0	976	1
Stine	47EE02 § ↗	E3	4.7	R	<b>80.7</b>	9.7	7	175.0	974	2
Pioneer	P42A96X § ↗	RRX	4.2	MR	<b>78.8</b>	9.4	3	175.0	951	3
Local Seed	LS3717XF ↗	RXF	3.7	NA	<b>77.0</b>	9.2	2	175.0	929	4
Hubner	H48-31XF ↗	RXF	4.8	R	<b>76.7</b>	9.8	2	175.0	926	5
Local Seed	LS4795XS ↗	RRX,ST	4.7	R	<b>76.6</b>	9.7	6	175.0	925	6
Local Seed	LS4606XFS ↗	RXF	4.6	NA	<b>76.2</b>	8.9	11	175.0	920	7
Pioneer	P38A92X § ↗	RRX	3.8	NA	<b>76.1</b>	9.6	6	175.0	919	8
Mid-Atlantic	MAS4120E3 ↗	E3	4.1	NA	74.9	10.1	4	175.0	904	9
Hubner	H47-30XF ↗	RXF	4.7	R	74.7	9.4	17	175.0	902	10
UniSouth Genetics	74B58 GC ↗	RR,ST	4.5	R	73.3	10.0	2	175.0	885	11
NK Brand	NK43-V8XF ↗	RXF	4.3	MR	73.3	9.9	6	175.0	885	12
Seed Consultants	SC 7381E ↗	E3	3.8	NA	73.3	9.8	2	175.0	885	13
Southern Harvest	4622 ↗	E3	4.6	S	72.5	9.9	3	175.0	875	14
Seed Consultants	SC 7372E ↗	E3	3.7	NA	72.3	10.4	2	175.0	873	15
Local Seed	LS4517XFS ↗	RXF	4.5	NA	72.1	9.8	10	175.0	870	16
MorSoy	MS 4850F ↗	RRX,ST	4.8	MR	72.0	9.4	4	175.0	869	17
Mid-Atlantic	MAS4675E3/STS ↗	E3,ST	4.6	MR	71.9	10.0	9	160.3	868	18
Loyal	L3940E ↗	E3	3.9	R	71.9	10.8	6	175.0	868	19
Credenz	CZ 4701GTLL ↗	LLGT27	4.7	R	71.5	9.9	5	175.0	863	20
Hubner	H42-31XF ↗	RXF	4.2	R	71.5	10.1	3	175.0	863	21
Local Seed	LS4415XF ↗	RXF	4.4	NA	71.2	10.6	7	175.0	859	22
Seed Genetics Direct	AGI0743AE GC ↗	E3	4.3	NA	71.0	10.5	11	175.0	857	23
Mid-Atlantic	MAS4077GT/STS ↗	RR,ST	4.0	NA	71.0	9.8	6	160.3	857	24
Xitavo	XO 4132E ↗	E3	4.1	R	70.5	9.9	11	175.0	851	25
Asgrow	AG47XF0 § ↗	RXF	4.7	R	70.0	9.6	2	175.0	845	26
Xitavo	XO 4772E ↗	E3	4.7	R	69.9	10.6	4	175.0	844	27
Mid-Atlantic	MAS4021E3 ↗	E3	4.0	NA	69.9	10.1	7	175.0	844	28
Seed Consultants	SC 7421E ↗	E3	4.2	NA	69.7	10.3	19	175.0	841	29
Asgrow	AG38XF1 § ↗	RXF	3.8	R	69.7	9.9	7	163.3	841	30

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Averages = **69.3**    **10.0**    **8**    **172.6**    **836**

LSD (0.10) = 6.5    0.4    5

LSD (0.25) = 3.4    0.2    3

C.V. = 8.9    Historic yield: 65.19 bu/a, 8 yr(s)

**Yield & Income Factors:**    Base Moisture = 13.0%    Shrink = 1.3    Drying = \$0.02    Prices: GMO = \$12.07

Report Date: 11/26/2021

† 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](http://www.firstseedtests.com)

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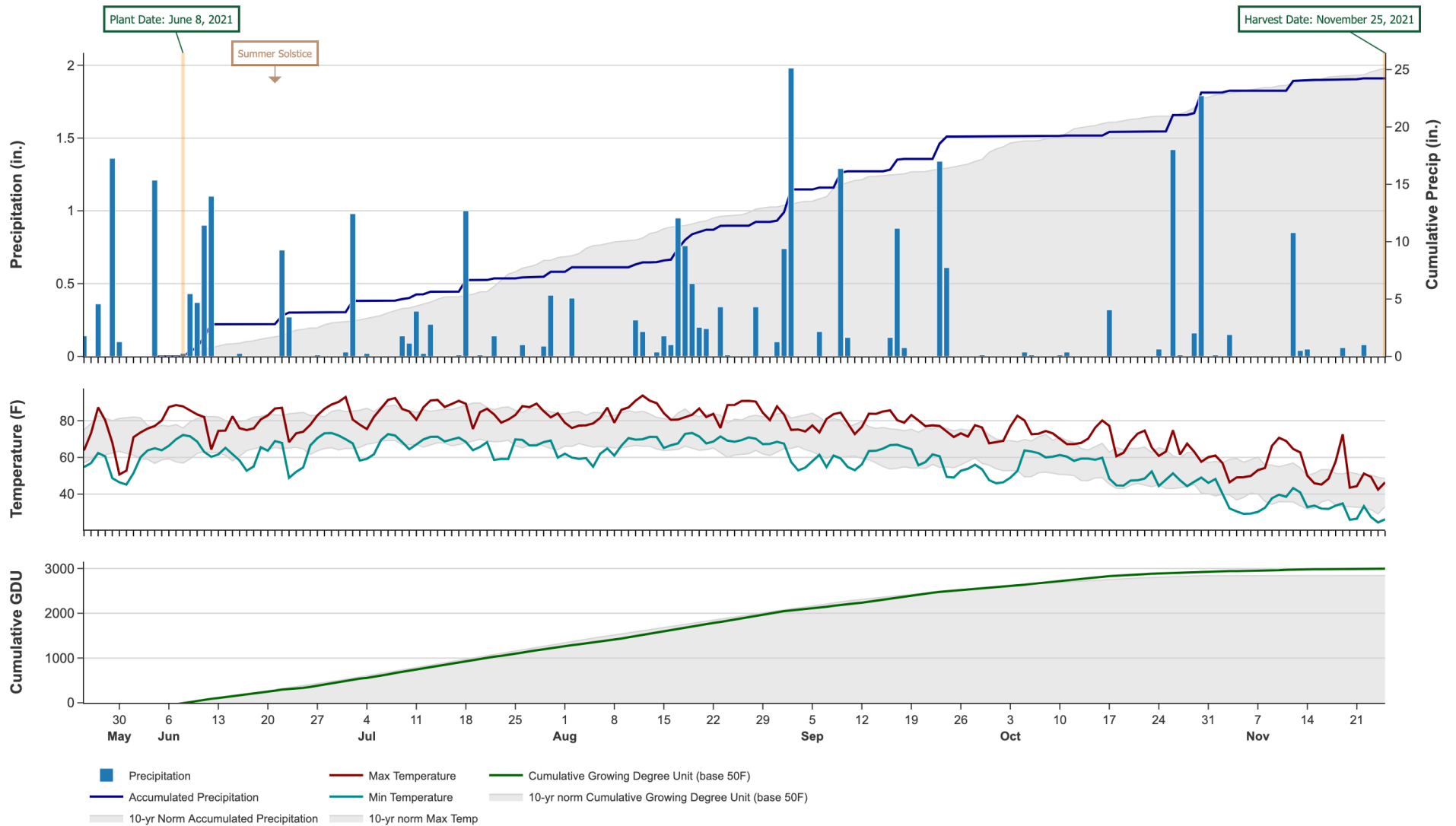
Additional reports available at [www.firstseedtests.com](http://www.firstseedtests.com)

# 2021 Soybeans - Delaware Maryland North [ DMNO ]

## Weather Conditions Summary at WESTMINSTER, MD

Weather Data Retrieved: 11/26/2021

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in)   Normal (Diff)	2.0   0.8 (+1.1)	5.1   4.2 (+0.9)	3.5   5.7 (-2.1)	4.5   4.4 (0.0)	7.3   4.8 (+2.6)	3.8   4.8 (-1.0)	1.2   2.5 (-1.3)	27.4   27.2 (+0.2)
GDU   Normal (Diff)	78   143 (-65)	643   647 (-4)	780   818 (-38)	774   735 (+38)	543   536 (+6)	371   246 (+124)	58   5 (+52)	3247   3134 (+112)



\* 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	RXF,ST	MR	4.6	AVC,C5,Vi
MorSoy	MS 4850F	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

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

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### Soybeans Seed Treatments\*

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NA	Not Available
AC	Acceleron® unspecified
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
AVC,C5,Vi	Avicta® Complete 500, Vibrance
CMBV,SA	Cruisermaxx® 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

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