

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

## 2022 Soybeans Top 30 Harvest Report

Pennsylvania Southeast [PASE] NORTHUMBERLAND, PA  
Scott Shoop, Northumberland County, PA 17847

<b>All-Season Test</b>	Maturity Group <b>2.8 - 3.8</b> S2022PASE08
<b>Top 30 of 54</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Glyphosate, Capreno, Atrazine
<b>SOIL DESCRIPTION:</b>	Bedington silt loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, very high K, 5.5 pH, 3.2% OM, 8.4 CEC
<b>TILLAGE/CULTIVATION:</b>	No-Till
<b>PEST MANAGEMENT:</b>	Envive, Raptor, Cleanse
<b>Applied N-P-K (units):</b>	0-0-0
<b>SEEDED - RATE - ROW:</b>	Jun 10 168.0 /A 15" spacing
<b>HARVESTED - STAND:</b>	Nov 21 149.0 /A

### TEST COMMENTS:

*Planting in no-till corn stubble with wet soil and soil temperatures in the 70's got the soybeans off to a fast start. The plot saw no rain for the first 30 days after planting with only a light shower for much of July. Thankfully, some heavy rains started to come in August into September which made the yields as high as they were. At harvest most varieties were standing well with an average height of 30 inches. 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	32EE21 § ↗	E3	3.2	R	<b>75.2</b>	10.9	5	149.0	1042	1
Pioneer	P31A73E § ↗	E3	3.1	R	<b>74.5</b>	11.6	1	149.0	1033	2
Asgrow	AG33XF3 § ↗	RXF	3.3	R	<b>73.7</b>	11.7	4	149.0	1021	3
Xitavo	XO 2963E ↗	E3	2.9	R	<b>73.4</b>	13.4	3	149.0	1017	4
Chemgro	C3655E ↗	E3	3.6	R	<b>72.9</b>	11.8	5	149.0	1010	5
Chemgro	C3755XF ↗	RXF	3.7	R	<b>72.2</b>	12.7	3	149.0	1001	6
Xitavo	XO 3803E ↗	E3,ST	3.8	MR	71.5	12.1	5	149.0	991	7
Chemgro	C3855E ↗	E3	3.8	R	71.2	12.1	6	149.0	987	8
Chemgro	C3354E ↗	E3	3.3	NA	71.1	11.7	4	149.0	985	9
Zinesto	Z2902E ↗	E3	2.9	NA	71.1	12.0	3	149.0	985	10
NK Brand	NK30-U4XF § ↗	RXF	3.0	R	70.6	12.0	4	149.0	979	11
Hubner	H33-52XF ↗	RXF	3.3	R	70.5	12.8	1	149.0	977	12
Seedway	SG 3442XTF ↗	RXF	3.4	MR	69.7	11.2	7	149.0	966	13
Mid-Atlantic	MAS3600E3/STS ↗	E3,ST	3.6	n/a	69.7	11.9	2	149.0	966	14
Chemgro	C3054E ↗	E3	3.0	R	69.1	12.9	6	149.0	958	15
Revere	3316XF ↗	RXF	3.3	MR	69.0	12.1	3	149.0	956	16
Hubner	H39-31XF ↗	RXF	3.9	R	68.9	12.4	3	149.0	955	17
Stine	31EF23 § ↗	E3	3.1	R	68.6	12.3	2	149.0	951	18
Zinesto	Z3203E ↗	E3	3.2	R	68.5	11.8	3	149.0	949	19
Xitavo	XO 3861E ↗	E3	3.8	R	67.8	12.7	7	149.0	940	20
Seed Consultants	SC 7332E ↗	E3	3.3	MR	67.6	12.1	4	149.0	937	21
Hubner	H35-31XF ↗	RXF	3.5	R	67.6	11.6	1	149.0	937	22
Mid-Atlantic	MAS3220E3 ↗	E3	3.2	NA	67.5	12.2	10	149.0	936	23
Stine	38EF32 § ↗	E3	3.8	R	67.0	12.5	10	149.0	929	24
Revere	3626XFS ↗	RXF,ST	3.6	MR	67.0	12.5	9	149.0	929	25
Innotech	3750E3S ↗	E3,ST	3.7	R	66.4	12.0	3	149.0	920	26
Asgrow	AG35XF1 § ↗	RXF	3.5	R	66.2	12.3	4	149.0	918	27
NK Brand	NK30-B2E3 § ↗	E3	3.0	R	65.6	13.1	4	149.0	909	28
Seedway	SG 3393E3 ↗	E3	3.3	MR	65.3	12.2	12	149.0	905	29
Innotech	3196E3 ↗	E3	3.1	R	65.2	12.5	9	149.0	904	30

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Averages = **65.8**    **12.2**    **5**    **149.0**    **912**

LSD (0.10) = 6.1    0.5    3

LSD (0.25) = 3.2    0.3    1

C.V. = 8.8

Historic yield: 57.34 bu/a, 8 yr(s)

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

Report Date: 11/26/2022

† 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](http://www.firstseedtests.com)

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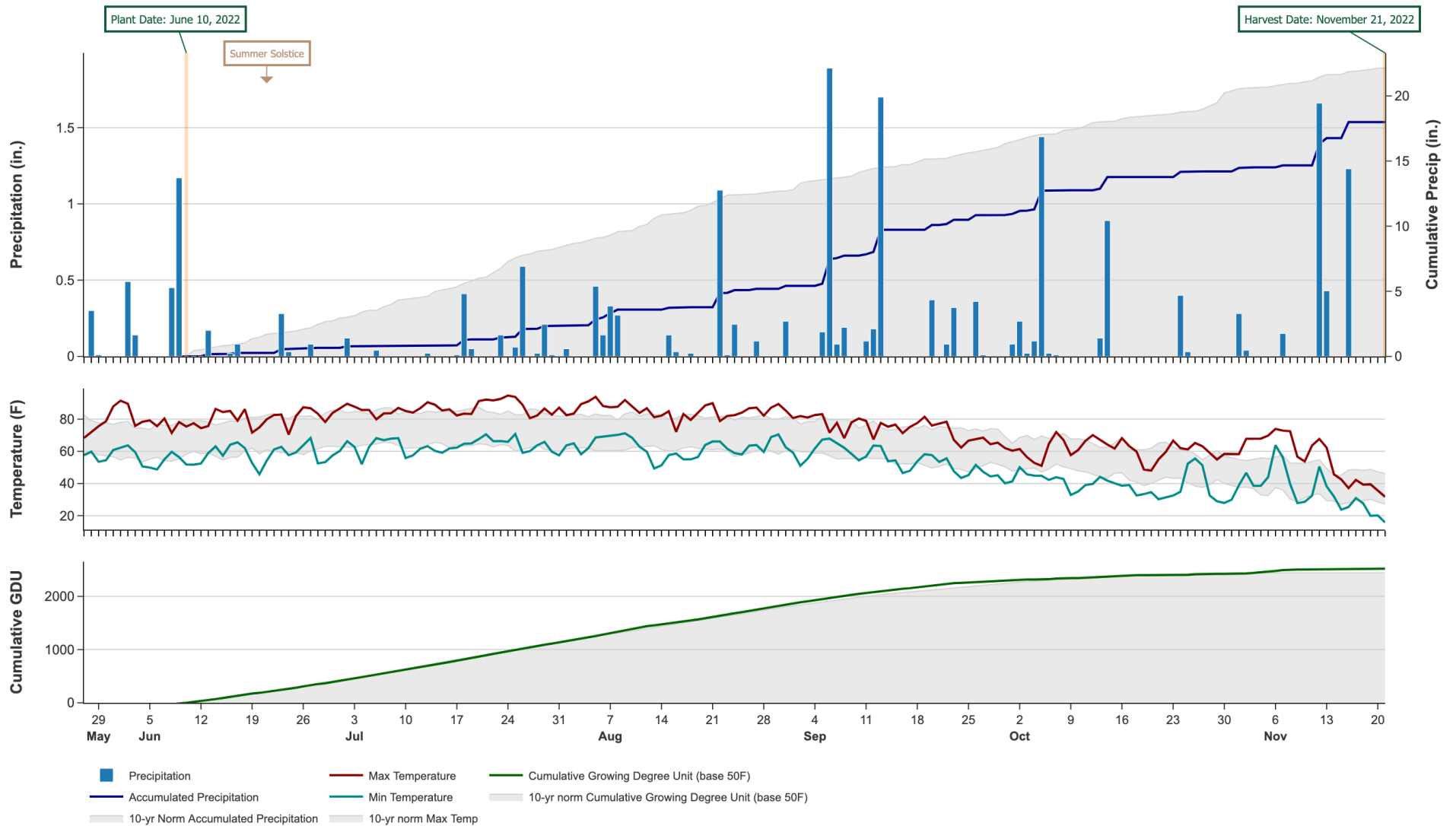
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# 2022 Soybeans - Pennsylvania Southeast [ PASE ]

## Weather Conditions Summary at NORTHUMBERLAND, PA

Weather Data Retrieved: 11/26/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in)   Normal (Diff)	0.3   0.9 (-0.6)	2.9   3.7 (-0.8)	1.7   5.6 (-4.0)	3.1   4.3 (-1.3)	5.4   3.6 (+1.8)	3.3   4.0 (-0.7)	3.8   1.8 (+2.0)	20.6   23.9 (-3.4)
GDU   Normal (Diff)	83   90 (-7)	562   560 (+1)	745   737 (+7)	719   662 (+56)	449   447 (+1)	121   193 (-72)	97   0 (+97)	2776   2692 (+83)



\* 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	AG33XF3 §	RXF	R	3.3	ACi,IL
Asgrow	AG35XF1 §	RXF	R	3.5	ACi
Asgrow	AG38XF1 §	RXF	R	3.8	ACi
Chemgro	C3054E	E3	R	3.0	CGT
Chemgro	C3255XF	RXF	R	3.2	CGT
Chemgro	C3354E	E3	NA	3.3	CGT
Chemgro	C3655E	E3	R	3.6	CGT
Chemgro	C3755XF	RXF	R	3.7	CGT
Chemgro	C3855E	E3	R	3.8	CGT
Hubner	H33-52XF	RXF	R	3.3	ACi
Hubner	H35-31XF	RXF	R	3.5	ACi
Hubner	H39-31XF	RXF	R	3.9	ACi
Innotech	2818E3	E3	MR	2.8	RP
Innotech	3196E3	E3	R	3.1	RP
Innotech	3444E3	E3	R	3.4	RP
Innotech	3750E3S	E3,ST	R	3.7	RP
Mid-Atlantic	MAS3022E3/STS	E3,ST	NA	3.1	PS
Mid-Atlantic	MAS3220E3	E3	NA	3.2	PS
Mid-Atlantic	MAS3600E3/STS	E3,ST	NA	3.6	PS
Mid-Atlantic	MAS3884GT/LL	LLGT27	NA	3.8	PS
NK Brand	NK30-B2E3 §	E3	R	3.0	CMBV,SA
NK Brand	NK30-U4XF §	RXF	R	3.0	CMBV,SA
NK Brand	NK33-W2E3S	E3,ST	R	3.3	CMBV,SA
NK Brand	NK37-V4E3S §	E3,ST	MR	3.7	CMBV,SA
Pioneer	P25A16E §	E3	R	2.5	Lum,Lu,IL
Pioneer	P29A19E §	E3	MR	2.9	Lum,Lu,IL
Pioneer	P31A73E §	E3	R	3.1	Lum,Lu,IL
Revere	3316XF	RXF	MR	3.3	RP
Revere	3626XFS	RXF,ST	MR	3.6	RP
Seed Consultants	SC 7302E	E3	NA	3.0	Lum,Lu,IL
Seed Consultants	SC 7322E	E3	NA	3.2	Lum,Lu,IL
Seed Consultants	SC 7332E	E3	MR	3.3	Lum,Lu,IL
Seed Consultants	SC 7372E	E3	NA	3.7	Lum,Lu,IL
Seedway	SG 2920E3	E3	R	2.9	Obtayn
Seedway	SG 2942XTF	RXF	MR	2.9	Obtayn
Seedway	SG 3393E3	E3	MR	3.3	Obtayn
Seedway	SG 3442XTF	RXF	MR	3.4	Obtayn
Stine	31EF23 §	E3	R	3.1	SFI
Stine	32EE21 §	E3	R	3.2	SFI
Stine	38EF32 §	E3	R	3.8	SFI
Xitavo	XO 2832E	E3	R	2.8	PV,IL,OB,Rey
Xitavo	XO 2963E	E3	R	2.9	PV,IL,OB,Rey

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Xitavo	XO 3131E	E3	R	3.1	PV,IL,OB,Rey
Xitavo	XO 3483E	E3,ST	MR	3.4	PV,IL,OB,Rey
Xitavo	XO 3651E	E3	R	3.6	PV,IL,OB,Rey
Xitavo	XO 3752E	E3	R	3.7	PV,IL,OB,Rey
Xitavo	XO 3803E	E3,ST	MR	3.8	PV,IL,OB,Rey
Xitavo	XO 3861E	E3	R	3.8	PV,IL,OB,Rey
Zinesto	Z2902E	E3	NA	2.9	DST4
Zinesto	Z3001E	E3	R	3.0	DST4
Zinesto	Z3101E	E3	R	3.1	DST4
Zinesto	Z3203E	E3	R	3.2	DST4
Zinesto	Z3303E	E3	R	3.3	DST4
Zinesto	Z3803E	E3	R	3.8	DST4

## 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®
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

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### Soybeans Seed Treatments\*

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NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
CGT	Chemgro gro-Tek (Chemgro Seed)
CMBV,SA	Cruisermaxx® Beans, Vibrance®, Salto®
DST4	Dominance 4 ST
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Obtayn	Obtayn (Seedway Seeds)
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

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