

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

## 2022 Soybeans Top 30 Harvest Report

Pennsylvania Southeast [PASE] DUNCANNON, PA  
Glenn Ebersole, Perry County, PA

<b>All-Season Test</b>	Maturity Group <b>2.8 - 3.8</b> S2022PASE07
<b>Top 30 of 54</b>	For Gross Income (Sorted by Yield) Average of (3) Replications
<b>PREV. CROP/HERB:</b>	Corn / Lumax, Atrazine
<b>SOIL DESCRIPTION:</b>	Birdsboro silt loam, well drained, non-irrigated
<b>SOIL CONDITION:</b>	very high P, very high K, 6.3 pH, 2.8% OM, 7.5 CEC
<b>TILLAGE/CULTIVATION:</b>	Conventional W/O Fall Till
<b>PEST MANAGEMENT:</b>	Raptor, Cleanse, Glyphosate
<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 24 151.0 /A

### TEST COMMENTS:

*Soil conditions were excellent at planting. Conventional tillage and good soil moisture got all varieties off to a fast start. This plot saw extremely hot and dry conditions throughout the growing season, and it seemed to miss any rainfall for most of the summer. Soybean height at harvest was 12 to 18 inches and podded at almost ground level, so it was amazing to get the yields reported. Soybean size was, however, as big as any seen this year with no purpling. 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
Stine	32EE21 § ↗	E3	3.2	R	<b>56.9</b>	10.4	1	151.0	789	1
Xitavo	XO 3803E ↗	E3,ST	3.8	MR	<b>56.4</b>	11.0	1	151.0	782	2
Chemgro	C3755XF ↗	RXF	3.7	R	<b>54.7</b>	10.8	1	151.0	758	3
Chemgro	C3054E ↗	E3	3.0	R	<b>54.0</b>	10.7	1	151.0	748	4
Innotech	3444E3 ↗	E3	3.4	R	<b>53.8</b>	11.0	1	151.0	746	5
Seedway	SG 3393E3 ↗	E3	3.3	MR	<b>53.4</b>	11.0	1	151.0	740	6
Seed Consultants	SC 7332E ↗	E3	3.3	MR	<b>52.6</b>	10.1	1	151.0	729	7
Xitavo	XO 3752E ↗	E3	3.7	R	<b>52.6</b>	10.5	1	151.0	729	8
Stine	38EF32 § ↗	E3	3.8	R	52.0	10.4	1	151.0	721	9
Stine	31EF23 § ↗	E3	3.1	R	52.0	10.5	1	151.0	721	10
Mid-Atlantic	MAS3884GT/LL ↗	LLGT27	3.8	NA	51.9	11.3	1	151.0	719	11
Chemgro	C3354E ↗	E3	3.3	NA	51.7	10.6	1	151.0	717	12
Mid-Atlantic	MAS3600E3/STS ↗	E3,ST	3.6	n/a	51.5	10.6	1	151.0	714	13
Innotech	3750E3S ↗	E3,ST	3.7	R	51.3	10.8	1	151.0	711	14
Xitavo	XO 3131E ↗	E3	3.1	R	50.6	10.4	1	151.0	701	15
Chemgro	C3655E ↗	E3	3.6	R	50.4	11.3	1	151.0	699	16
Zinesto	Z3803E ↗	E3	3.8	R	50.4	11.1	1	151.0	699	17
NK Brand	NK33-W2E3S ↗	E3,ST	3.3	R	50.3	11.7	1	151.0	697	18
NK Brand	NK37-V4E3S § ↗	E3,ST	3.7	MR	50.1	11.5	1	151.0	694	19
Asgrow	AG38XF1 § ↗	RXF	3.8	R	50.0	11.4	1	151.0	693	20
NK Brand	NK30-U4XF § ↗	RXF	3.0	R	49.8	10.4	1	151.0	690	21
Xitavo	XO 3861E ↗	E3	3.8	R	49.6	10.0	1	151.0	687	22
Seed Consultants	SC 7322E ↗	E3	3.2	NA	49.5	10.8	1	151.0	686	23
Zinesto	Z3001E ↗	E3	3.0	R	49.0	11.2	1	151.0	679	24
Xitavo	XO 2963E ↗	E3	2.9	R	48.9	11.0	1	151.0	678	25
Pioneer	P31A73E § ↗	E3	3.1	R	48.1	10.9	1	151.0	667	26
Asgrow	AG33XF3 § ↗	RXF	3.3	R	47.9	11.0	1	151.0	664	27
Hubner	H35-31XF ↗	RXF	3.5	R	47.7	11.3	1	151.0	661	28
Zinesto	Z3303E ↗	E3	3.3	R	47.7	10.7	1	151.0	661	29
Xitavo	XO 3483E ↗	E3,ST	3.4	MR	47.5	10.8	1	151.0	658	30

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Averages = **47.8**    **10.9**    **1**    **151.0**    **663**

LSD (0.10) = 4.7    0.6    ns

LSD (0.25) = 2.4    0.3    ns

C.V. = 9.2    Historic yield: 64.1 bu/a, 2 yr(s)

**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](http://www.firstseedtests.com)

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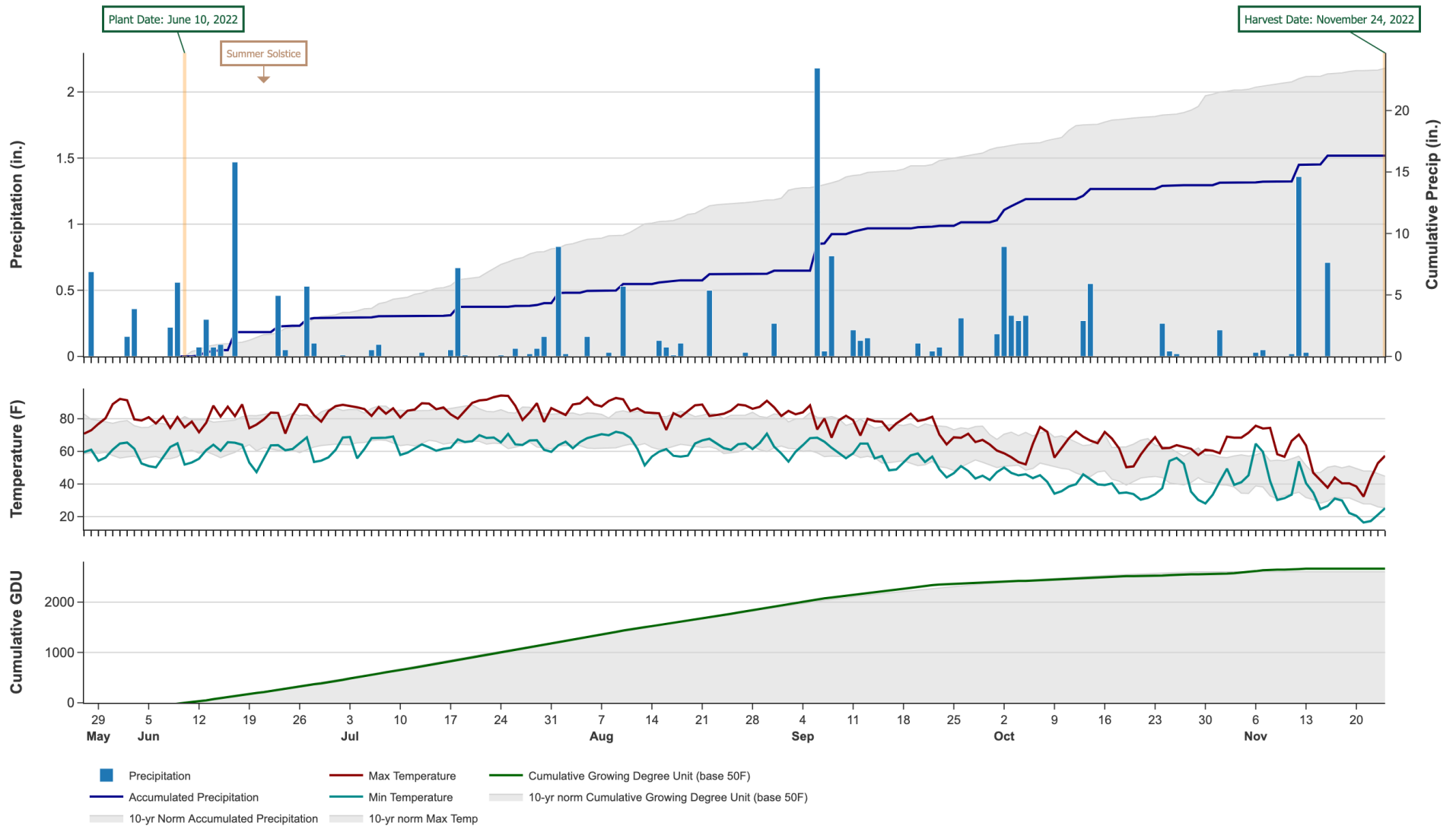
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# 2022 Soybeans - Pennsylvania Southeast [ PASE ]

## Weather Conditions Summary at DUNCANNON, PA

Weather Data Retrieved: 11/28/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in)   Normal (Diff)	0.6   0.9 (-0.3)	4.4   4.6 (-0.2)	1.2   5.4 (-4.2)	2.6   4.0 (-1.4)	3.9   4.1 (-0.1)	3.0   4.5 (-1.5)	2.4   2.1 (+0.3)	18.3   25.6 (-7.4)
GDU   Normal (Diff)	89   95 (-6)	596   588 (+7)	764   771 (-7)	752   698 (+53)	488   484 (+3)	144   228 (-84)	111   0 (+111)	2944   2866 (+77)



\* 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.

## 2022 Soybeans - Pennsylvania Southeast [ PASE ]

### 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.