

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

2023 Soybeans Top 30 Harvest Report

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

All-Season Test	Maturity Group 2.8 - 3.8 S2023PASE06
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Gylphosate, Capreno, Atrazine
SOIL DESCRIPTION:	Barbour loam, well drained, non- irrigated
SOIL CONDITION:	very high P, very high K, 5.9 pH, 2.9% OM, 8.1 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Envive, Glyphosate, Assure
Applied N-P-K (units):	0-0-200
SEEDED - RATE - ROW:	May 30 168.5 /A 15" spacing
HARVESTED - STAND:	Nov 4 140.0 /A

TEST COMMENTS:

Soybeans got off to a good start. Rainfall for the entire summer was above average. Plants got very tall and many laid over almost to the ground. White mold was present and may have contributed to the lodging. Yields were reduced if the variety did not have good white mold resistance. The bean quality was moldy with purple stain. Scott mentioned that his soybeans did better on sandy soils than on heavy soils this year. The overall rating of the plot is 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
Pioneer	P34A65PR § ↗	P	3.4	NA	77.5	13.2	6	140.0	1000	1
Stine	37EG23 § ↗	E3	3.7	R	74.7	13.8	9	140.0	963	2
Stine	38EG32 § ↗	E3	3.8	R	73.7	13.8	9	140.0	950	3
Xitavo	XO 3224E ↗	E3	3.2	R	71.5	14.0	26	140.0	922	4
Pioneer	P38A28E § ↗	E3	3.8	MR	70.9	13.9	14	140.0	914	5
Hubner	H35-31XF ↗	RXF	3.5	R	70.0	13.7	14	140.0	903	6
Hubner	H38-43XF ↗	RXF	3.8	R	69.9	13.6	11	140.0	902	7
Xitavo	XO 3483E ↗	E3	3.4	MR	68.5	13.4	14	140.0	884	8
Zinesto	Z3303E ↗	E3	3.3	R	68.3	13.5	14	140.0	881	9
Seedway	SG 3327XTF ↗	RXF	3.3	R	68.3	13.7	19	140.0	881	10
Hubner	H33-52XF ↗	RXF	3.3	R	68.0	13.9	10	140.0	877	11
Seedway	SG 3323E3 ↗	E3	3.3	R	66.6	14.0	23	140.0	858	12
Seedway	SG 3723E3 ↗	E3	3.7	R	65.4	13.7	14	140.0	843	13
Seed Consultants	SC 7364E ↗	E3	3.6	MR	64.6	13.5	7	140.0	833	14
Asgrow	AG38XF3 § ↗	RXF	3.8	R	64.5	13.9	11	140.0	832	15
Revere	INNOTECH 3750E3S ↗	E3,ST	3.7	R	64.3	13.5	14	140.0	829	16
Revere	3435XF ↗	RXF	3.4	MR	63.8	13.8	17	140.0	823	17
Asgrow	AG33XF3 § ↗	RXF	3.3	R	62.9	13.7	33	140.0	811	18
Seed Consultants	SC 7341E ↗	E3	3.4	NA	62.8	13.6	30	140.0	810	19
Xitavo	XO 2832E ↗	E3	2.8	R	62.8	13.9	10	140.0	810	20
Asgrow	AG30XF4 § ↗	RXF	3.0	R	62.8	13.9	11	140.0	810	21
Zinesto	Z3203E ↗	E3	3.2	R	62.7	14.3	19	140.0	808	22
Pioneer	P37A18E § ↗	E3	3.7	MR	62.5	13.6	2	140.0	806	23
Chemgro	C3357E ↗	E3	3.3	R	62.4	14.0	17	140.0	804	24
Zinesto	Z3501E ↗	E3	3.5	R	61.9	14.1	17	140.0	798	25
Golden Harvest	GH3373E3S § ↗	E3,ST	3.3	R	61.8	14.2	19	140.0	796	26
Zinesto	Z2902E ↗	E3	2.9	NA	61.4	13.9	14	140.0	792	27
Zinesto	Z3001E ↗	E3	3.0	R	61.2	14.2	14	140.0	789	28
Stine	36FD92 § ↗	RXF	3.6	R	59.6	13.7	22	140.0	769	29
Revere	INNOTECH 3309E3S ↗	E3,ST	3.3	MR	59.6	14.1	23	140.0	768	30

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Averages = **59.4** **13.9** **19** **140.0** **766**

LSD (0.10) = 7.0 0.2 10

LSD (0.25) = 3.7 0.1 5

C.V. = 11.1 Historic yield: 58.41 bu/a, 9 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$12.91

Report Date: 11/07/2023

† 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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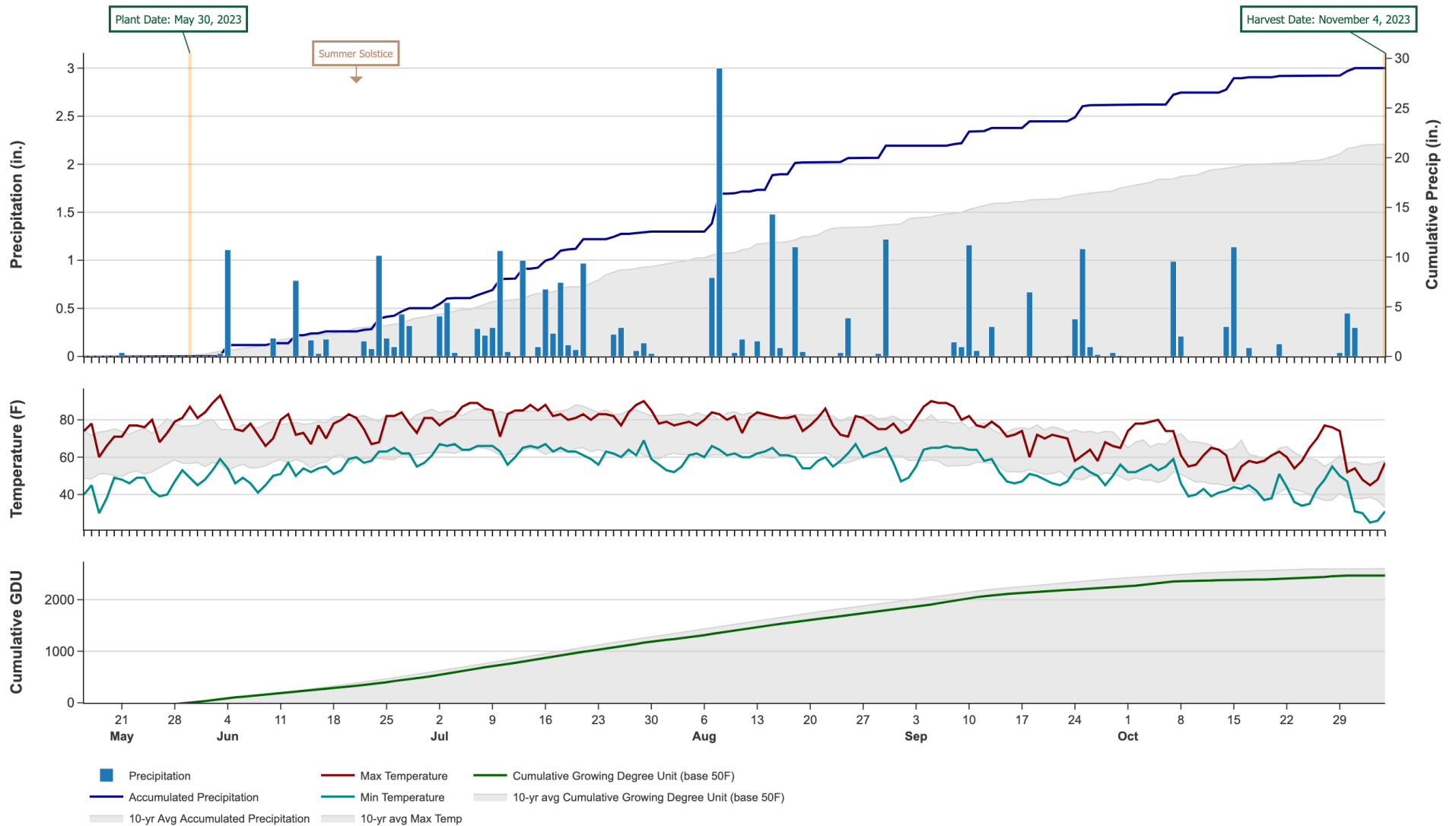
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2023 Soybeans - Pennsylvania Southeast [PASE]

Weather Conditions Summary at NORTHUMBERLAND, PA

Weather Data Retrieved: 11/07/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) (Diff)	0.0 2.0 (-2.0)	4.8 3.8 (+1.0)	7.7 5.2 (+2.5)	8.7 4.0 (+4.6)	4.1 3.7 (+0.4)	3.7 4.1 (-0.4)	0.0 0.3 (-0.3)	29.1 23.3 (+5.8)
GDU Avg (Diff)	196 225 (-29)	482 555 (-73)	708 729 (-21)	608 665 (-57)	430 448 (-18)	224 183 (+40)	0 0 (0)	2648 2808 (-160)



* 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	AG30XF4 §	RXF	R	3.0	ACi,IL
Asgrow	AG33XF3 §	RXF	R	3.3	ACi,IL
Asgrow	AG38XF3 §	RXF	R	3.8	ACi,IL
Chemgro	C3054E	E3	R	3.0	CGT
Chemgro	C3357E	E3	R	3.3	Untreated
Chemgro	C3657E	E3	R	3.6	Untreated
Golden Harvest	GH3373E3S §	E3,ST	R	3.3	CMB-APX,SA
Golden Harvest	GH3442XF §	RXF	MR	3.4	CMB-APX,SA
Golden Harvest	GH3724XFS	RXF,ST	MR	3.7	CMB-APX,SA
Golden Harvest	GH3774E3 §	E3	R	3.7	CMB-APX,SA
Hubner	H33-52XF	RXF	R	3.3	ACi
Hubner	H35-31XF	RXF	R	3.5	ACi
Hubner	H38-43XF	RXF	R	3.8	ACi
Jacobsen	J3817GT GC	GT	R	3.8	Untreated
Jacobsen	J3817GT-TR GC	GT	NA	3.8	Treated
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	MAS3822E3/STS	E3,ST	NA	3.8	PS
Mid-Atlantic	MAS3884GT/LL	LLGT27	NA	3.8	PS
Pioneer	P34A65PR §	P	NA	3.4	NA
Pioneer	P37A18E §	E3	MR	3.7	Lum, LumT, IL
Pioneer	P38A28E §	E3	MR	3.8	Lum
Revere	3435XF	RXF	MR	3.4	RP
Revere	INNOTECH 2818E3	E3	MR	2.8	RP
Revere	INNOTECH 3188E3S	E3,ST	MR	3.1	RP
Revere	INNOTECH 3309E3S	E3,ST	MR	3.3	RP
Revere	INNOTECH 3750E3S	E3,ST	R	3.7	RP
Seed Consultants	SC 7322E	E3	NA	3.2	Lum,Lu,IL
Seed Consultants	SC 7341E	E3	NA	3.4	Lum,Lu,IL
Seed Consultants	SC 7364E	E3	MR	3.6	Lum,Lu,IL
Seed Consultants	SC 7372E	E3	NA	3.7	Lum,Lu,IL
Seedway	SG 3323E3	E3	R	3.3	Obtayn
Seedway	SG 3327XTF	RXF	R	3.3	Obtayn
Seedway	SG 3522E3	E3	MR	3.5	Obtayn
Seedway	SG 3723E3	E3	R	3.7	Obtayn
Stine	36FD92 §	RXF	R	3.6	ACi
Stine	37EG23 §	E3	R	3.7	ACi
Stine	38EG32 §	E3	R	3.8	ACi
Xitavo	XO 2832E	E3	R	2.8	PV,IL,OB,Rey
Xitavo	XO 3014E	E3,ST	R	3.0	PV,IL,OB,Rey
Xitavo	XO 3131E	E3	R	3.1	PV,IL,OB,Rey

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Xitavo	XO 3224E	E3	R	3.2	PV,IL,OB,Rey
Xitavo	XO 3483E	E3	MR	3.4	PV,IL,OB,Rey
Xitavo	XO 3651E	E3	R	3.6	PV,IL,OB,Rey
Xitavo	XO 3803E	E3,ST	MR	3.8	PV,IL,OB,Rey
Xitavo	XO 3861E	E3,ST	R	3.8	PV,IL,OB,Rey
Zinesto	Z2902E	E3	NA	2.9	DST5
Zinesto	Z3001E	E3	R	3.0	DST5
Zinesto	Z3104E	E3	R	3.1	DST5
Zinesto	Z3203E	E3	R	3.2	DST5
Zinesto	Z3303E	E3	R	3.3	DST5
Zinesto	Z3501E	E3	R	3.5	DST5
Zinesto	Z3803E	E3	R	3.8	DST5

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®
GT	Agrisure® GT
LLGT27	LibertyLink® GT27®
P	Plenish®
RXF	XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
CGT	Chemgro gro-Tek (Chemgro Seed)
CMB-APX,SA	CruiserMaxx® APX with Salto®
DST5	Dominance 5 ST
Lum	LumiGEN™
Lum,Lu,IL	LumiGEN™, Lumisena™, ILeVO
Lum, LumT, IL	LumiGEN™, LumiTreo, ILEVO
Obtayn	Obtayn (Seedway Seeds)
PS	MAS Pro-Shield (Mid-Atlantic Seeds)
PV,IL,OB,Rey	Poncho®/Votivo®, ILeVO, Obvius Plus, Relenya®
RP	Radius Premium (Local Seed Co)
Treated	Treated, unspecified
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.