

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

2023 Soybeans Top 30 Harvest Report

Pennsylvania Southeast [PASE] MOUNT JOY, PA
Curt & Mike Buckwalter, Lancaster County, PA

All-Season Test	Maturity Group 2.8 - 3.8 S2023PASE07
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Halex Gt, Atrazine
SOIL DESCRIPTION:	Duffield silt loam, well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 5.8 pH, 3.4% OM, 9.1 CEC
TILLAGE/CULTIVATION:	Minimum W/O Fall Till
PEST MANAGEMENT:	Glyphosate, Poast
Applied N-P-K (units):	0-30-75
SEEDED - RATE - ROW:	May 24 168.5 /A 15" spacing
HARVESTED - STAND:	Oct 28 140.0 /A

TEST COMMENTS:

Planting conditions were difficult. Dry and hard soils were tough to get seed deep enough to reach moisture for germination at some locations in the field, which resulted in uneven emergence. After some early rains, all plants did emerge and catch up nicely. Weed control was good. Lodging was a problem for some varieties. Harvest went well with no shattering problems and seed quality was good, with very little purple stain and no mold. 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
Seedway	SG 3723E3 ↗	E3	3.7	R	69.9	11.0	4	140.0	860	1
Stine	38EG32 § ↗	E3	3.8	R	69.1	11.1	12	140.0	850	2
Revere	INNOTECH 3750E3S ↗	E3,ST	3.7	R	67.4	11.0	8	140.0	829	3
Zinesto	Z3303E ↗	E3	3.3	R	66.6	11.2	6	140.0	819	4
Mid-Atlantic	MAS3220E3 ↗	E3	3.2	NA	65.8	11.0	9	140.0	809	5
Xitavo	XO 3861E ↗	E3,ST	3.8	R	65.8	10.6	6	140.0	809	6
Jacobsen	J3817GT-TR GC ↗	GT	3.8	NA	65.8	10.9	7	140.0	809	7
Stine	37EG23 § ↗	E3	3.7	R	64.3	10.9	9	140.0	791	8
Pioneer	P34A65PR § ↗	P	3.4	NA	64.0	10.8	3	140.0	787	9
Seed Consultants	SC 7364E ↗	E3	3.6	MR	63.7	11.1	6	140.0	784	10
Chemgro	C3657E ↗	E3	3.6	R	63.6	11.2	4	140.0	782	11
Xitavo	XO 3803E ↗	E3,ST	3.8	MR	63.5	11.2	9	140.0	781	12
Pioneer	P38A28E § ↗	E3	3.8	MR	62.8	11.0	9	140.0	772	13
Hubner	H38-43XF ↗	RXF	3.8	R	62.7	11.0	6	140.0	771	14
Zinesto	Z3104E ↗	E3	3.1	R	62.4	11.3	12	140.0	768	15
Xitavo	XO 3483E ↗	E3	3.4	MR	61.7	11.1	7	140.0	759	16
Stine	36FD92 § ↗	RXF	3.6	R	61.6	11.1	6	140.0	758	17
Chemgro	C3357E ↗	E3	3.3	R	61.1	11.1	10	137.3	752	18
Hubner	H35-31XF ↗	RXF	3.5	R	60.9	11.0	3	140.0	749	19
Seed Consultants	SC 7372E ↗	E3	3.7	NA	59.5	11.5	7	140.0	732	20
Seedway	SG 3522E3 ↗	E3	3.5	MR	59.2	11.0	12	140.0	728	21
Golden Harvest	GH3442XF § ↗	RXF	3.4	MR	59.1	10.9	7	140.0	727	22
Chemgro	C3054E ↗	E3	3.0	R	58.7	11.1	26	140.0	722	23
Xitavo	XO 3131E ↗	E3	3.1	R	58.3	11.6	29	140.0	717	24
Golden Harvest	GH3724XFS ↗	RXF,ST	3.7	MR	58.0	11.0	12	140.0	713	25
Asgrow	AG33XF3 § ↗	RXF	3.3	R	57.9	11.1	9	140.0	712	26
Seedway	SG 3323E3 ↗	E3	3.3	R	57.9	11.4	9	140.0	712	27
Xitavo	XO 3014E ↗	E3,ST	3.0	R	57.7	11.1	15	140.0	710	28
Mid-Atlantic	MAS3022E3/STS ↗	E3,ST	3.1	NA	57.7	10.7	4	140.0	710	29
Asgrow	AG38XF3 § ↗	RXF	3.8	R	57.7	11.3	7	140.0	710	30

Robin Kauffman

Rob Kauffman

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

Averages = **58.4** **11.1** **9** **140.0** **718**

LSD (0.10) = 6.3 ns 6

LSD (0.25) = 3.3 ns 3

C.V. = 10.3 Historic yield: 71.49 bu/a, 8 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.0 Drying = \$0.02 Prices: GMO = \$12.30

Report Date: 10/30/2023

† 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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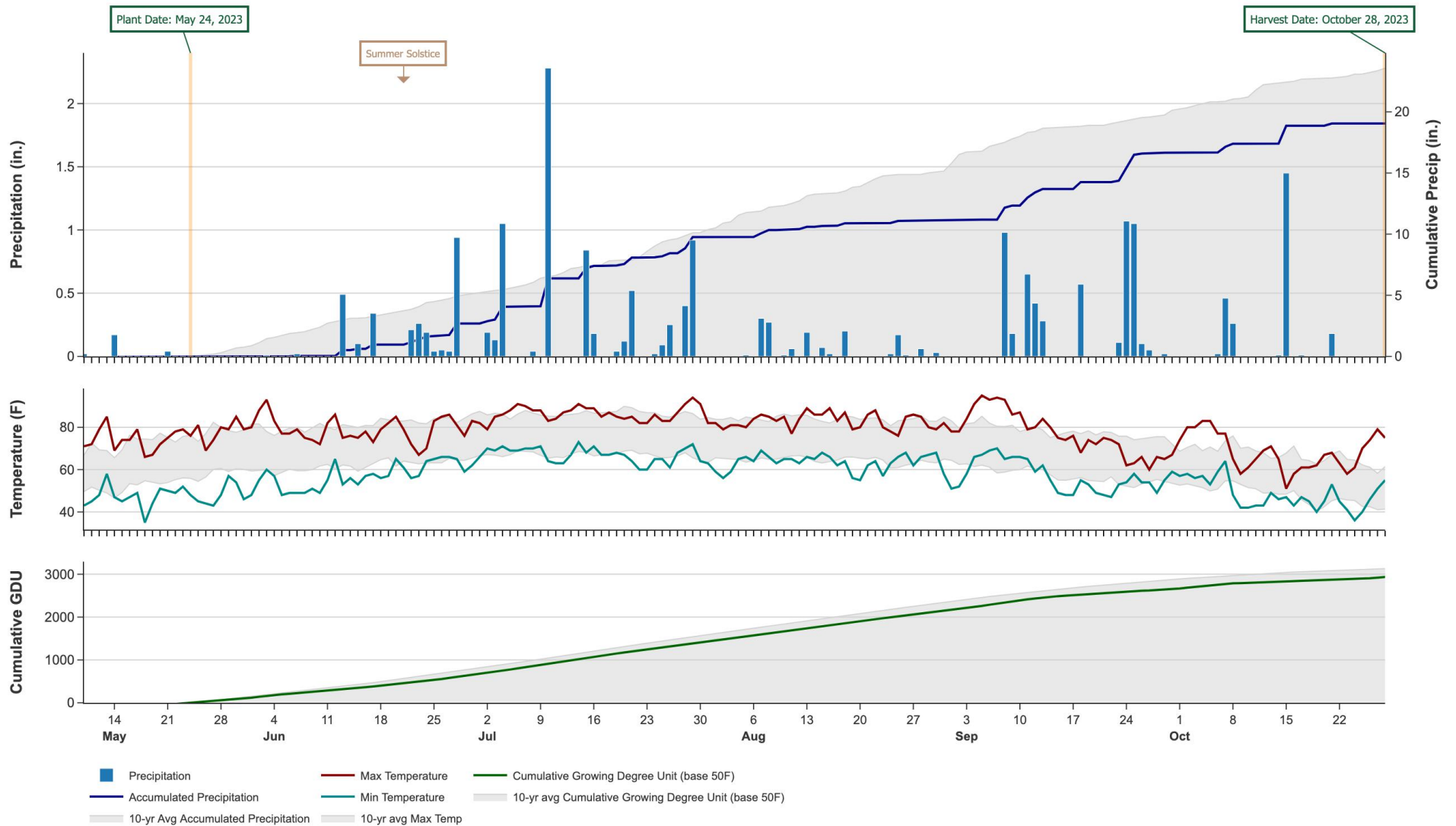
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2023 Soybeans - Pennsylvania Southeast [PASE]

Weather Conditions Summary at MOUNT JOY, PA

Weather Data Retrieved: 10/30/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) (Diff)	0.2 2.8 (-2.6)	2.7 4.3 (-1.6)	7.1 5.3 (+1.8)	1.4 4.8 (-3.4)	5.5 5.0 (+0.5)	2.4 3.4 (-1.0)	19.3 25.6 (-6.4)
GDU Avg (Diff)	292 319 (-27)	540 649 (-109)	800 815 (-15)	712 752 (-40)	495 532 (-37)	284 249 (+34)	3123 3318 (-195)



* 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.

2023 Soybeans - Pennsylvania Southeast [PASE]

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 Saltro®
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.