

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

2022 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 S2022PASE05
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / NA
SOIL DESCRIPTION:	Duffield silt loam, well drained, non-irrigated
SOIL CONDITION:	very high P, very high K, 5.9 pH, 3.1% OM, 6.6 CEC
TILLAGE/CULTIVATION:	No-Till
PEST MANAGEMENT:	Glyphosate, Raptor, Cleanse 2ec
FERTILITY - Applied N:	18 Spring
Applied N-P-K (units):	18-56-80
SEEDED - RATE - ROW:	Jun 6 168.0 /A 15" spacing
HARVESTED - STAND:	Oct 21 155.0 /A

TEST COMMENTS:

The plot was planted at the beginning of June in good soil conditions. Soybeans emerged without any problems and started well. Rainfall was sporadic but seemed to come when the soybeans needed it. Weed control in general was good. Harvest went well with no shattering 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
Seed Consultants	SC 7372E ↗	E3	3.7	NA	89.8	11.5	3	155.0	1196	1
Xitavo	XO 3861E ↗	E3	3.8	R	86.7	12.3	2	155.0	1155	2
Hubner	H35-31XF ↗	RXF	3.5	R	85.5	11.1	5	155.0	1139	3
Mid-Atlantic	MAS3220E3 ↗	E3	3.2	NA	82.8	11.3	4	155.0	1103	4
Mid-Atlantic	MAS3884GT/LL ↗	LLGT27	3.8	NA	81.2	14.0	17	155.0	1080	5
Hubner	H39-31XF ↗	RXF	3.9	R	81.1	13.1	3	155.0	1080	6
Xitavo	XO 3131E ↗	E3	3.1	R	79.6	11.0	5	155.0	1060	7
Zinesto	Z3203E ↗	E3	3.2	R	79.1	10.6	2	155.0	1054	8
NK Brand	NK30-U4XF § ↗	RXF	3.0	R	78.9	11.6	2	155.0	1051	9
NK Brand	NK37-V4E3S § ↗	E3,ST	3.7	MR	78.8	11.5	4	155.0	1050	10
Seedway	SG 2920E3 ↗	E3	2.9	R	78.5	12.4	4	155.0	1046	11
Innotech	3750E3S ↗	E3,ST	3.7	R	78.3	12.4	6	155.0	1043	12
Pioneer	P31A73E § ↗	E3	3.1	R	78.2	10.1	1	155.0	1042	13
Asgrow	AG33XF3 § ↗	RXF	3.3	R	78.1	11.2	7	155.0	1040	14
Seedway	SG 3442XTF ↗	RXF	3.4	MR	77.8	10.2	7	155.0	1036	15
Chemgro	C3354E ↗	E3	3.3	NA	77.7	11.5	4	155.0	1035	16
Chemgro	C3655E ↗	E3	3.6	R	77.7	12.3	3	155.0	1035	17
Xitavo	XO 3803E ↗	E3,ST	3.8	MR	77.1	11.5	6	155.0	1027	18
Xitavo	XO 3651E ↗	E3	3.6	R	77.1	11.6	4	155.0	1027	19
Zinesto	Z3803E ↗	E3	3.8	R	76.7	12.3	9	155.0	1022	20
Innotech	3196E3 ↗	E3	3.1	R	76.7	10.6	8	155.0	1022	21
Asgrow	AG38XF1 § ↗	RXF	3.8	R	76.6	12.3	1	155.0	1020	22
Seedway	SG 3393E3 ↗	E3	3.3	MR	76.4	12.8	6	155.0	1018	23
Zinesto	Z3001E ↗	E3	3.0	R	76.3	11.6	4	155.0	1016	24
Stine	31EF23 § ↗	E3	3.1	R	75.4	11.5	2	155.0	1004	25
Innotech	3444E3 ↗	E3	3.4	R	75.0	10.7	4	155.0	999	26
Zinesto	Z3303E ↗	E3	3.3	R	73.9	10.6	6	155.0	984	27
Hubner	H33-52XF ↗	RXF	3.3	R	73.4	11.9	1	155.0	978	28
Seed Consultants	SC 7302E ↗	E3	3.0	NA	73.2	10.7	4	155.0	975	29
Xitavo	XO 3483E ↗	E3,ST	3.4	MR	73.0	12.1	3	155.0	972	30

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Averages = **74.0** **11.6** **5** **155.0** **986**

LSD (0.10) = 6.5 0.9 4

LSD (0.25) = 3.4 0.5 2

C.V. = 8.4

Historic yield: 71.02 bu/a, 7 yr(s)

Yield & Income Factors:

Base Moisture = 13.0%

Shrink = 1.0

Drying = \$0.02

Prices: GMO = \$13.32

Report Date: 10/27/2022

† 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

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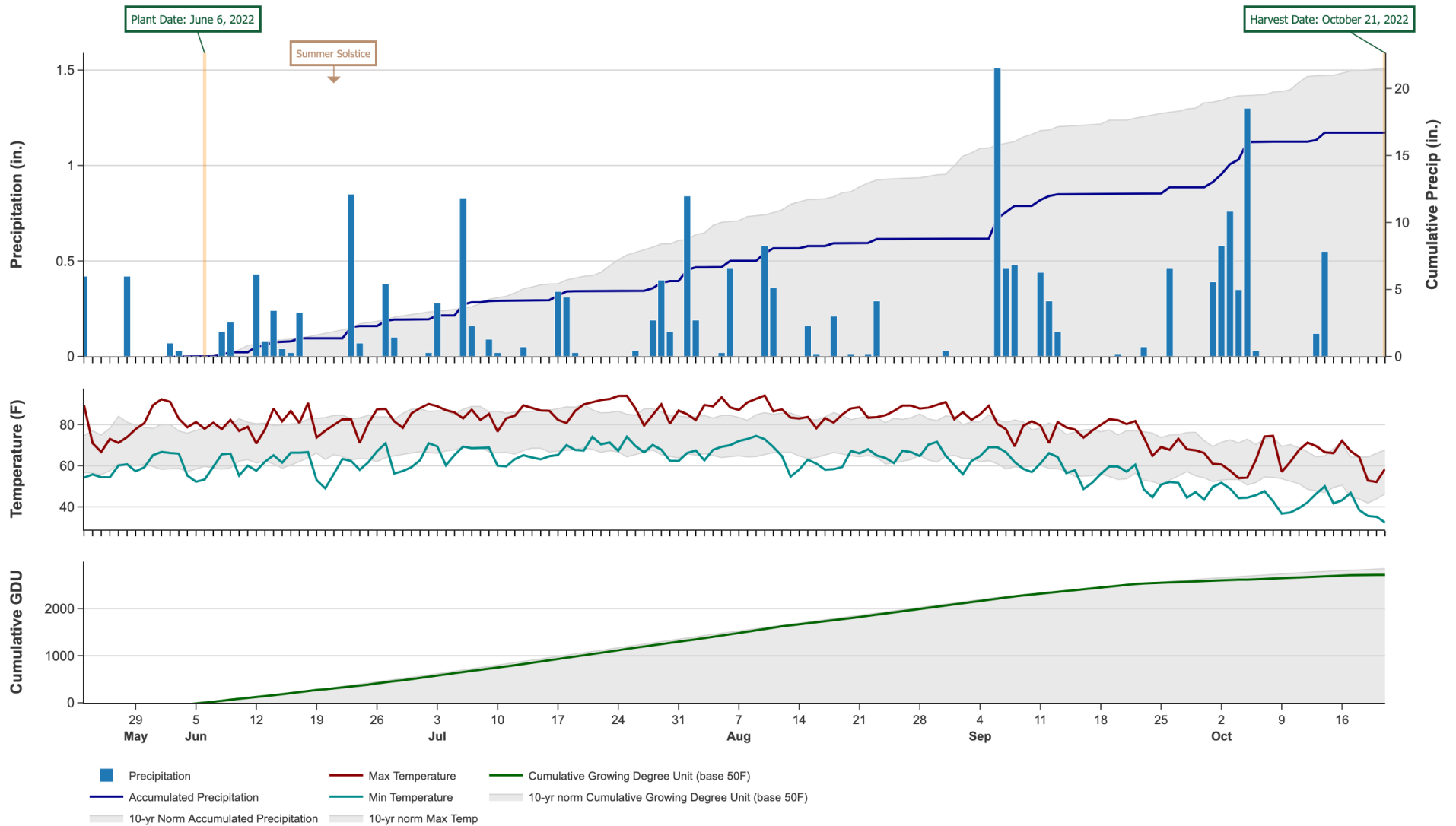
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2022 Soybeans - Pennsylvania Southeast [PASE]

Weather Conditions Summary at MOUNT JOY, PA

Weather Data Retrieved: 10/27/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.8 1.1 (-0.3)	2.9 4.4 (-1.6)	2.9 5.6 (-2.7)	3.2 4.9 (-1.8)	3.8 5.3 (-1.5)	4.1 2.6 (+1.5)	17.6 23.9 (-6.3)
GDU Normal (Diff)	154 167 (-13)	624 646 (-22)	796 815 (-19)	784 746 (+37)	518 530 (-12)	118 212 (-94)	2994 3119 (-125)



* 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	3.1 JV	E3	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

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
LLGT27	LibertyLink® GT27®
RXF	Roundup Ready 2 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)
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

* Seed treatments may include unspecified plant health promoting components.