

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

2022 Soybeans Top 30 Harvest Report

Pennsylvania Southeast [PASE] MARTINSBURG, PA
Jim Smith, Blair County, PA 16673

All-Season Test	Maturity Group 2.8 - 3.8 S2022PASE06
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Glyphosate, Capreno, Atrazine
SOIL DESCRIPTION:	Hublersburg-Cherty silt loam, well drained, non-irrigated
SOIL CONDITION:	very high P, high K, 5.9 pH, 4.1% OM, 12.9 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Raptor, Cleanse, Glyphosate
Applied N-P-K (units):	0-0-0
SEEDED - RATE - ROW:	Jun 8 168.0 /A 15" spacing
HARVESTED - STAND:	Nov 23 154.2 /A

TEST COMMENTS:

Planting had great soil conditions, with good moisture and soil temperatures. Emergence was uniform and in less than one week. There were some dry spells early in the growing season but this heavy soil took it really well. Summer was hot and rains seemed to come at the right times. Soybeans never grew tall but did pod up nicely. Bean size was average with no purple stain noticed at harvest. 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
Mid-Atlantic	MAS3220E3 ↗	E3	3.2	NA	77.4	9.1	5	155.0	1073	1
Mid-Atlantic	MAS3022E3/STS ↗	E3,ST	3.1	NA	77.1	8.8	1	155.0	1069	2
Seedway	SG 3393E3 ↗	E3	3.3	MR	76.2	8.1	7	155.0	1056	3
Seed Consultants	SC 7332E ↗	E3	3.3	MR	75.9	8.4	4	155.0	1052	4
Mid-Atlantic	MAS3884GT/LL ↗	LLGT27	3.8	NA	75.0	9.0	9	155.0	1040	5
Zinesto	Z3203E ↗	E3	3.2	R	74.7	9.0	3	148.0	1035	6
Xitavo	XO 2832E ↗	E3	2.8	R	74.5	8.7	4	155.0	1033	7
Seed Consultants	SC 7322E ↗	E3	3.2	NA	74.2	9.0	2	155.0	1028	8
Xitavo	XO 3131E ↗	E3	3.1	R	73.6	8.9	6	155.0	1020	9
Zinesto	Z2902E ↗	E3	2.9	NA	72.6	8.3	2	155.0	1006	10
NK Brand	NK30-U4XF § ↗	RXF	3.0	R	72.4	8.8	5	155.0	1003	11
Seedway	SG 3442XTF ↗	RXF	3.4	MR	72.3	8.5	3	155.0	1002	12
Xitavo	XO 3651E ↗	E3	3.6	R	72.2	9.5	1	155.0	1001	13
Xitavo	XO 2963E ↗	E3	2.9	R	71.8	7.6	6	155.0	995	14
Xitavo	XO 3483E ↗	E3,ST	3.4	MR	71.7	8.9	3	155.0	994	15
Asgrow	AG35XF1 § ↗	RXF	3.5	R	71.5	8.5	4	155.0	991	16
Revere	3626XFS ↗	RXF,ST	3.6	MR	71.2	9.7	8	155.0	987	17
Xitavo	XO 3752E ↗	E3	3.7	R	70.8	9.2	4	155.0	981	18
Hubner	H35-31XF ↗	RXF	3.5	R	70.8	9.5	3	155.0	981	19
Xitavo	XO 3861E ↗	E3	3.8	R	70.2	9.9	2	155.0	973	20
Chemgro	C3354E ↗	E3	3.3	NA	70.1	8.9	6	155.0	972	21
Pioneer	P29A19E § ↗	E3	2.9	MR	70.1	9.2	1	155.0	972	22
Stine	32EE21 § ↗	E3	3.2	R	69.9	8.4	6	155.0	969	23
Zinesto	Z3803E ↗	E3	3.8	R	69.0	9.1	2	155.0	956	24
Seed Consultants	SC 7302E ↗	E3	3.0	NA	68.7	8.8	6	155.0	952	25
NK Brand	NK30-B2E3 § ↗	E3	3.0	R	68.7	9.9	4	155.0	952	26
Xitavo	XO 3803E ↗	E3,ST	3.8	MR	68.7	10.2	1	155.0	952	27
Zinesto	Z3001E ↗	E3	3.0	R	68.4	8.9	5	155.0	948	28
Innotech	3196E3 ↗	E3	3.1	R	67.6	8.2	6	155.0	937	29
Chemgro	C3855E ↗	E3	3.8	R	67.5	8.1	1	144.5	936	30

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Averages = **68.4** **8.9** **4** **154.2** **948**

LSD (0.10) = 6.9 ns 3

LSD (0.25) = 3.6 ns 1

C.V. = 9.6 Historic yield: 60.72 bu/a, 8 yr(s)

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

Report Date: 11/27/2022

† 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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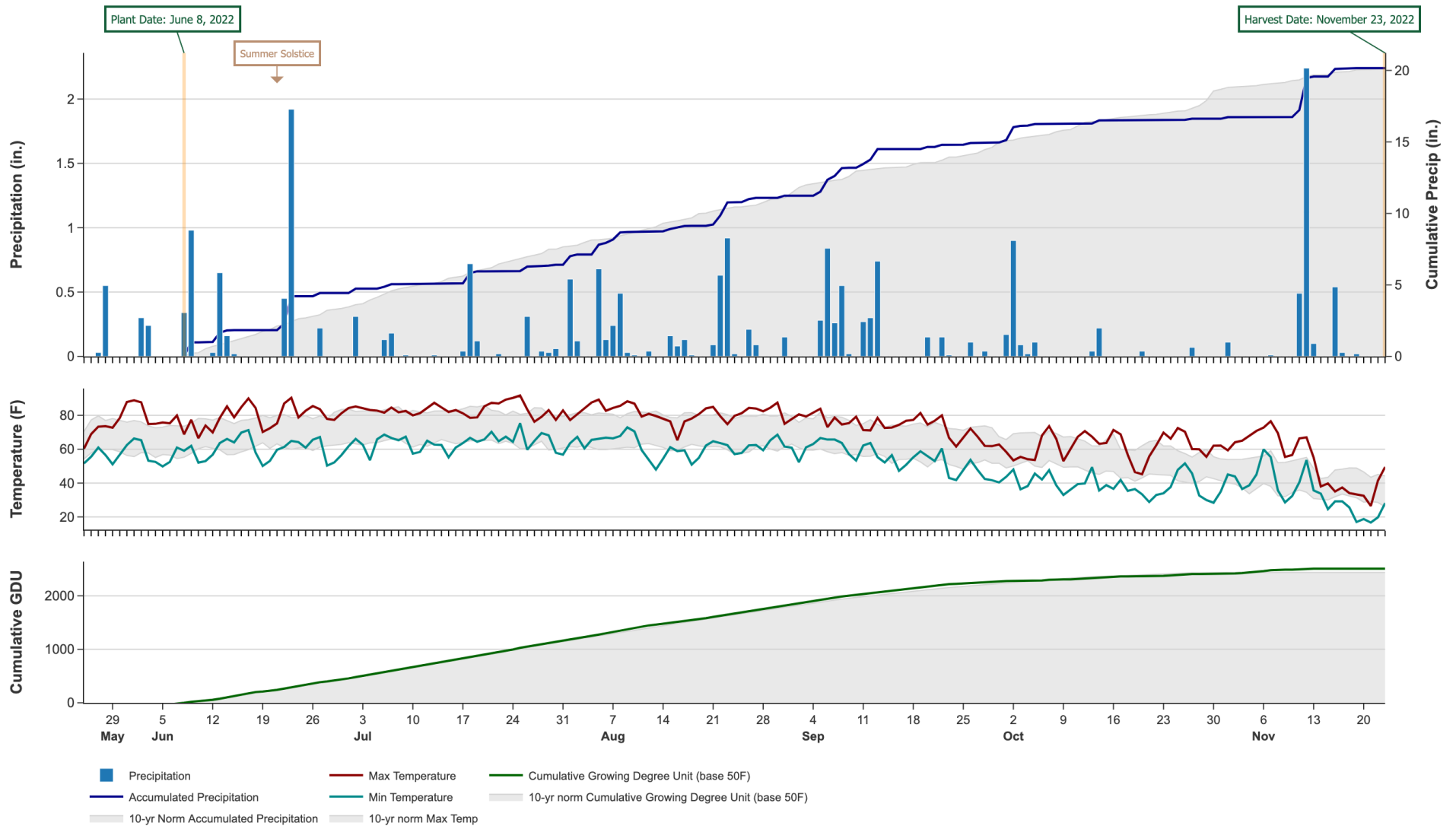
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2022 Soybeans - Pennsylvania Southeast [PASE]

Weather Conditions Summary at MARTINSBURG, PA

Weather Data Retrieved: 11/27/2022

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) Normal (Diff)	0.6 1.2 (-0.7)	5.3 4.3 (+1.0)	2.0 4.3 (-2.3)	4.8 3.4 (+1.4)	3.7 3.9 (-0.2)	1.7 3.7 (-2.0)	3.5 1.4 (+2.1)	21.6 22.3 (-0.7)
GDU Normal (Diff)	104 120 (-16)	573 552 (+20)	724 714 (+9)	666 639 (+26)	450 451 (-1)	135 199 (-64)	99 0 (+99)	2751 2677 (+73)



* 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

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.