

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

2021 Soybeans Top 30 Harvest Report

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

All-Season Test	Maturity Group 2.8 - 3.8 S2021PASE08
Top 30 of 78	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Corn / Halex Gt
SOIL DESCRIPTION:	silty clay loam, non-irrigated
SOIL CONDITION:	very high P, very high K, 6.5 pH, 3.0% OM, 7.8 CEC
TILLAGE/CULTIVATION:	Conventional W/O Fall Till
PEST MANAGEMENT:	Thunderstorm, Clethodim 2e
Applied N-P-K (units):	0-138-102
SEEDED - RATE - ROW:	Jun 7 /A 15" spacing
HARVESTED - STAND:	Dec 3 156.3 /A

TEST COMMENTS:

The plot was planted in conventional tillage and stands were excellent. Soybeans got tall and lodging was a problem for some varieties. The location was sprayed with Thunderstorm and Clethodim to control volunteer corn but some varieties showed shortening injury and did not seem to recover. Harvest went well except for the extreme lodged varieties. 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
Apex	AE3520 ↗	E3	3.5	R	84.3	13.8	7	158.0	1016	1
Genesis	G3560E ↗	E3	3.5	R	78.9	14.1	10	158.0	951	2
Seedway	3393E3 ↗	E3	3.3	MR	78.2	13.9	9	158.0	942	3
Chemgro	C3354E ↗	E3	3.3	NA	77.5	13.9	10	158.0	934	4
Xitavo	XO 3861E ↗	E3,ST	3.8	R	76.8	13.5	5	158.0	926	5
Seed Consultants	SC 7302E ↗	E3	3.0	NA	76.4	13.3	10	158.0	922	6
Seed Consultants	SC 7372E ↗	E3	3.7	NA	76.3	13.4	6	158.0	920	7
Credenz	CZ 3309GTLL ↗	LLGT27	3.3	R	75.9	13.5	7	158.0	915	8
Credenz	CZ 2760GTLL ↗	LLGT27	2.7	R	75.9	13.9	7	158.0	915	9
Seedway	3433GTLL ↗	LLGT27	3.4	R	74.2	14.0	7	158.0	894	10
Local Seed	LS3717XF ↗	RXF	3.7	NA	74.1	13.3	6	158.0	894	11
Stine	35EE32 § ↗	E3	3.5	R	73.3	13.9	9	158.0	883	12
Mid-Atlantic	MAS3721E3/STS ↗	E3,ST	3.7	NA	72.9	13.8	10	158.0	879	13
Xitavo	XO 3651E ↗	E3	3.6	R	72.5	13.6	6	158.0	874	14
Asgrow	AG35XF1 § ↗	RXF	3.5	R	72.2	13.6	7	158.0	871	15
Local Seed	IS3371E3 ↗	E3	3.3	NA	72.1	14.0	16	158.0	869	16
Seed Consultants	SC 7311E ↗	E3	3.1	NA	71.8	14.1	7	158.0	865	17
Mid-Atlantic	MAS3220E3 ↗	E3	3.2	NA	71.4	14.0	11	158.0	860	18
Zinesto	Z3101E ↗	E3	3.1	R	71.3	13.8	7	158.0	859	19
Zinesto	Z2902E ↗	E3	2.9	NA	71.2	13.8	7	158.0	858	20
Zinesto	Z3402E ↗	E3	3.4	NA	71.1	14.1	9	158.0	857	21
Apex	AE3720S ↗	E3,ST	3.6	R	71.0	13.6	16	158.0	856	22
Genesis	G2960E ↗	E3	2.9	R	70.9	13.7	12	158.0	855	23
NK Brand	NK28-T3XF ↗	RXF	2.8	R	70.6	14.4	7	158.0	850	24
Mid-Atlantic	MAS3884GT/LL/STS ↗	LLGT27	3.8	NA	70.5	14.1	10	158.0	849	25
Asgrow	AG38XF1 § ↗	RXF	3.8	R	70.4	13.6	10	158.0	849	26
Apex	AE3220 ↗	E3	3.2	R	70.0	14.0	10	155.0	843	27
Xitavo	XO 3341E ↗	E3	3.3	R	69.7	14.0	11	158.0	840	29
NK Brand	NK37-Z9XF § ↗	RXF	3.7	R	69.7	13.3	8	158.0	841	28
Apex	AE2920 ↗	E3	2.9	R	69.2	13.8	7	158.0	834	30

Robin Kauffman

Averages = **67.1** **14.0** **11** **156.3** **809**

LSD (0.10) = 7.4 0.3 5

LSD (0.25) = 3.9 0.2 2

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C.V. = 10.6 Historic yield: 59.8 bu/a, 1 yr(s)

Yield & Income Factors: Base Moisture = 13.0% Shrink = 1.3 Drying = \$0.02 Prices: GMO = \$12.07

Report Date: 12/06/2021

† 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. ↗ New! Links to full product yield results at www.firstseedtests.com

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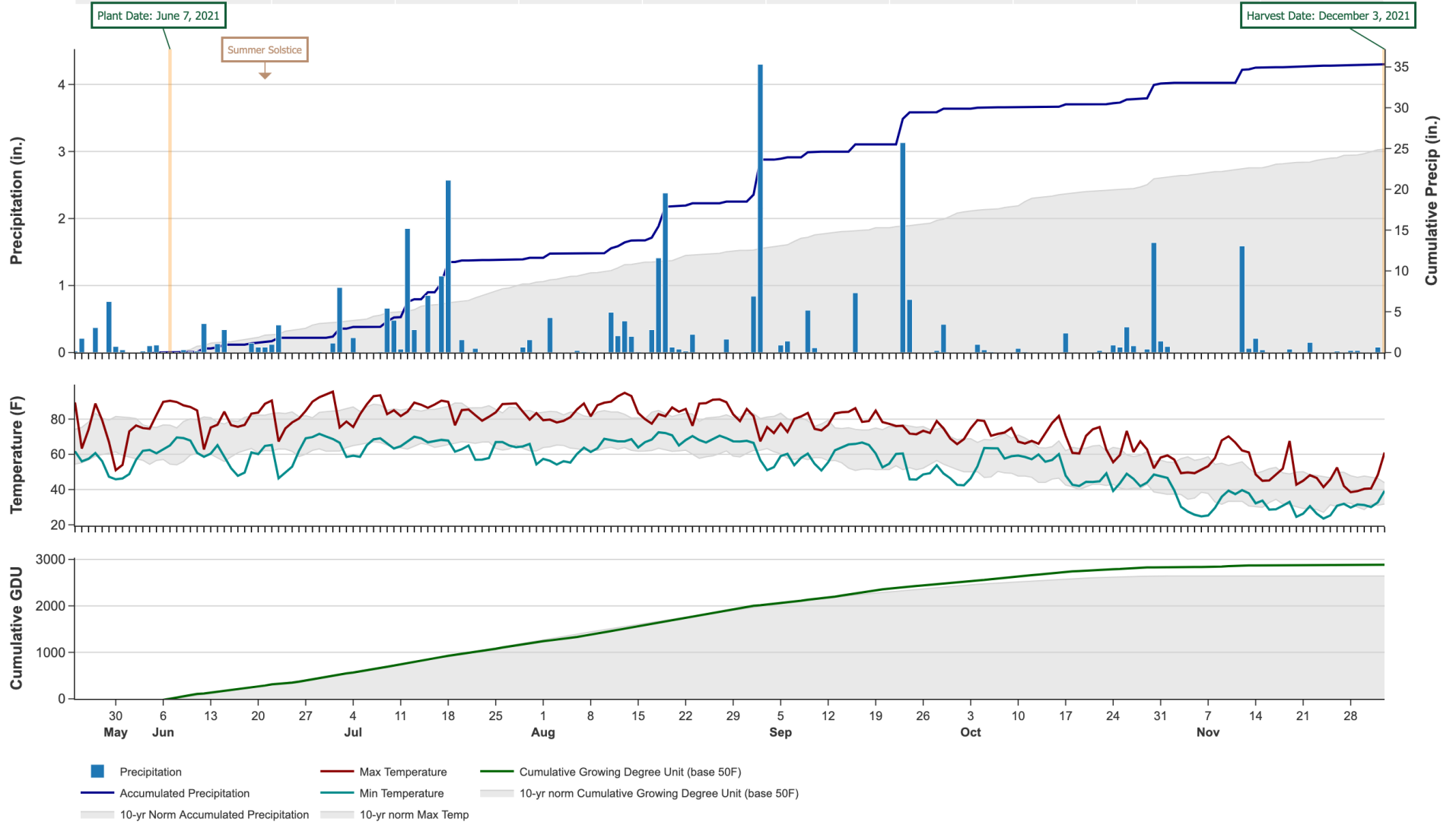
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2021 Soybeans - Pennsylvania Southeast [PASE]

Weather Conditions Summary at DUNCANNON, PA

Weather Data Retrieved: 12/06/2021

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov	Dec*	Total
Precip (in) Normal (Diff)	1.5 1.1 (+0.4)	2.0 4.5 (-2.5)	9.8 5.0 (+4.8)	6.9 3.9 (+3.0)	11.4 4.2 (+7.2)	3.1 4.7 (-1.6)	2.3 3.0 (-0.7)	0.1 0.6 (-0.5)	37.0 27.0 (+10.1)
GDU Normal (Diff)	101 150 (-49)	617 593 (+23)	739 777 (-38)	757 690 (+66)	513 484 (+28)	341 215 (+125)	47 0 (+47)	6 0 (+6)	3121 2911 (+209)



* 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.

2021 Soybeans - Pennsylvania Southeast [PASE]

All-Season Test Products (78 Total)

Company/Brand	Product/Brand	Technology	SCN	RM	Seed Treat.
Apex	AE2920	E3	R	2.9	CMBV,SA
Apex	AE3220	E3	R	3.2	CMBV,SA
Apex	AE3420	E3	R	3.4	CMBV,SA
Apex	AE3520	E3	R	3.5	CMBV,SA
Apex	AE3720S	E3,ST	R	3.6	CMBV,SA
Asgrow	AG30XF2 §	RXF	R	3.0	ACi,IL
Asgrow	AG35XF1 §	RXF	R	3.5	ACi
Asgrow	AG38XF1 §	RXF	R	3.8	ACi,IL
Chemgro	C3054E	E3	R	3.0	En
Chemgro	C3255XF	RXF	R	3.2	Untreated
Chemgro	C3354E	E3	NA	3.3	En
Chemgro	C3655E	E3	R	3.6	Untreated
Chemgro	C3755XF	RXF	R	3.7	Untreated
Credenz	CZ 2760GTLL	LLGT27	R	2.7	PV,IL,OB
Credenz	CZ 3099GTLL	LLGT27	R	3.1	PV,IL,OB
Credenz	CZ 3309GTLL	LLGT27	R	3.3	PV,IL,OB
Genesis	G2960E	E3	R	2.9	CMBV,SA
Genesis	G3260E	E3	R	3.2	CMBV,SA
Genesis	G3460E	E3	R	3.4	CMBV,SA
Genesis	G3560E	E3	R	3.5	CMBV,SA
Genesis	G3760ES	E3,ST	R	3.7	CMBV,SA
Hefty	H28XF2	RXF	NA	2.8	HCS
Hefty	H29XF1	RXF	NA	2.9	HCS
Hefty	H30XF2	RXF	NA	3.0	HCS
Hefty	H31XF2	RXF	NA	3.1	HCS
Hefty	H32XF2	RXF	NA	3.2	HCS
Hefty	H33XF2	RXF	NA	3.3	HCS
Hefty	H35XF1	RXF	NA	3.5	HCS
Hefty	H36XF2	RXF	NA	3.6	HCS
Hubner	H28-50XF	RXF	R	2.8	AC
Hubner	H29-19R2X	RRX	R	2.9	AC
Hubner	H30-42XF	RXF	R	3.0	AC
Hubner	H34-71XF	RXF	R	3.4	AC
Hubner	H35-31XF	RXF	R	3.5	AC
Local Seed	IS3371E3	E3	NA	3.3	RP
Local Seed	IS3715E3	E3	NA	3.7	RP
Local Seed	LS3019XF	RXF	NA	3.0	RP
Local Seed	LS3717XF	RXF	NA	3.7	RP
Mid-Atlantic	MAS2921E3	E3	NA	2.9	PS
Mid-Atlantic	MAS3021E3	E3	NA	3.0	PS
Mid-Atlantic	MAS3220E3	E3	NA	3.2	PS
Mid-Atlantic	MAS3521E3/STS	E3,ST	NA	3.5	PS

Company/Brand	Brand/Product	Technology	SCN	RM	Seed Treat.
Mid-Atlantic	MAS3600E3/STS	E3,ST	NA	3.6	PS
Mid-Atlantic	MAS3721E3/STS	E3,ST	NA	3.7	PS
Mid-Atlantic	MAS3884GT/LL/STS	LLGT27	NA	3.8	PS
NK Brand	NK28-T3XF	RXF	R	2.8	CMBV,SA
NK Brand	NK35-J6E3S §	E3,ST	MR	3.5	CMBV,SA
NK Brand	NK37-V4E3S §	E3,ST	MR	3.7	CMBV,SA
NK Brand	NK37-Z9XF §	RXF	R	3.7	CMBV,SA
Pioneer	P33A24X §	RRX	R	3.3	Untreated
Pioneer	P36A83X §	RRX	R	3.6	Untreated
Seed Consultants	SC 7302E	E3	NA	3.0	Lum,IL
Seed Consultants	SC 7311E	E3	NA	3.1	Lum,IL
Seed Consultants	SC 7322E	E3	NA	3.2	Lum,IL
Seed Consultants	SC 7341E	E3	NA	3.4	Lum,IL
Seed Consultants	SC 7372E	E3	NA	3.7	Lum,IL
Seed Consultants	SC 7381E	E3	NA	3.8	Lum,IL
Seedway	2832XT	RRX	R	2.8	AC
Seedway	2920E3	E3	R	2.9	AC
Seedway	3393E3	E3	MR	3.3	AC
Seedway	3433GTLL	LLGT27	R	3.4	AC
Stine	28EC32 §	E3	R	2.8	SFI
Stine	35EE32 §	E3	R	3.5	SFI
Stine	36EB32 §	E3	R	3.6	SFI
Xitavo	XO 2832E	E3	R	2.8	PV,IL,OB
Xitavo	XO 2921E	E3	R	2.9	PV,IL,OB
Xitavo	XO 3131E	E3	R	3.1	PV,IL,OB
Xitavo	XO 3341E	E3	R	3.3	PV,IL,OB
Xitavo	XO 3651E	E3	R	3.6	PV,IL,OB
Xitavo	XO 3752E	E3,ST	R	3.7	PV,IL,OB
Xitavo	XO 3861E	E3,ST	R	3.8	PV,IL,OB
Zinesto	Z2900E	E3	R	2.9	DST4,SA
Zinesto	Z2902E	E3	NA	2.9	PV,IL
Zinesto	Z3001E	E3	R	3.0	DST4,SA
Zinesto	Z3101E	E3	R	3.1	DST4,SA
Zinesto	Z3202E	E3	NA	3.2	DST4,SA
Zinesto	Z3402E	E3	NA	3.4	DST5
Zinesto	Z3602E	E3	NA	3.6	DST4,SA

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®
RRX	Roundup Ready 2 Xtend®
RXF	Roundup Ready 2 XtendFlex®
ST	Sulfonylurea tolerant

Soybeans Seed Treatments*

NA	Not Available
AC	Acceleron® unspecified
ACi	Acceleron® Standard Insecticide-Fungicide
ACi,IL	Acceleron® Standard Insecticide-Fungicide, ILeVO
CMBV,SA	Cruisemaxx® Beans, Vibrance®, Saltro®
DST4,SA	Dominance 4 ST,Saltro®
DST5	Dominance 5 ST
En	Encase, Excalibre-SA™
HCS	Hefty Complete Soybeans
Lum,IL	LumiGEN™ plus ILeVO
PS	MAS Pro-Shield
PV,IL	Poncho®/Votivo®, ILeVO
PV,IL,OB	Poncho®/Votivo®, ILeVO, Obvius Plus
RP	Radius Premium (Local Seed Co)
SFI	Stine XP F&I
Untreated	No seed treatment

* Seed treatments may include unspecified plant health promoting components.