

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

2023 Corn Grain Top 30 Harvest Report

Pennsylvania Central [PACE] MCVEYTOWN, PA
Charles Groff, Mifflin County, PA 17051

All-Season Test	102 - 112 Day CRM B2023PACE05
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Glyphosate
SOIL DESCRIPTION:	Murrill loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, medium K, 5.8 pH, 2.1% OM, 7.0 CEC
PEST MANAGEMENT:	Ethos, Bicep, Atrazine, Roundup Power Maxx
FERTILITY - Applied N:	210 Spring
Applied N-P-K (units):	210-230-170
SEEDED - RATE - ROW:	May 19 32.5 /A 30" spacing
HARVESTED - STAND:	Dec 8 29.0 /A

TEST COMMENTS:

Nice plot. Planting was excellent. Corn got off to a fast start with uniform emergence. There were a few dry spells through the summer but rainfall came when needed. Disease was minimal and corn was standing very well with only tops going out. The overall rating of the plot is a 9 out of 10. (10=best)

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Seedway	SW 1021VT	VT2P	110	288.2	17.6	3	28.7	1448	1
Revere	0918 VT2PRIB	VT2P	109	286.0	18.0	3	28.7	1435	3
Hubner	H0881D	VT2P	108	285.5	17.4	2	30.7	1436	2
Augusta	A1961 TRE	TRE	111	278.7	18.1	3	29.6	1397	4
Pioneer	P1136AM GC	AM	111	274.7	18.9	1	29.7	1371	5
DeKalb	DKC62-70RIB GC	VT2P	112	270.4	18.6	4	28.8	1352	6
Seed Consultants	SC1094Q	QR	109	268.5	17.8	1	29.2	1348	7
Seed Consultants	SC1093AM	AM	109	267.0	18.2	1	29.7	1337	8
Seed Consultants	SC1122Q	QR	112	266.8	18.1	1	30.1	1337	9
Pioneer	P0859AM GC	AM	108	266.4	17.8	1	28.4	1337	10
Hubner	H6663RCSS	STX	113	266.3	19.9	7	28.8	1323	11
Hefty	H6244	STX	112	264.7	19.3	4	28.9	1319	13
Augusta	A2061-PWE	PCE	111	263.2	17.7	1	28.7	1322	12
Hefty	H6064	STX	110	260.8	18.4	1	29.1	1305	15
Chemgro	6434PC	PCE	104	259.7	16.6	1	29.0	1312	14
Chemgro	7035RDP	VT2P	110	256.8	18.2	1	29.4	1287	17
Chemgro	6535RDD	VT2PDG	105	256.6	15.6	4	29.2	1302	16
Chemgro	7144PC	PCE	111	255.8	18.0	1	28.6	1283	18
Seed Consultants	SC1112AM	AM	111	252.2	18.2	1	28.9	1264	21
Augusta	A1954 PCE	PCE	104	251.8	16.6	1	29.3	1271	19
Augusta	A1958-DV	DV	108	251.5	18.4	3	29.3	1259	23
Seedway	SW 0711SS	STX	107	250.5	16.7	1	28.3	1264	22
Pine Creek	R6018DV GC	DV	110	250.2	18.6	3	28.5	1251	28
Mid-Atlantic	MA8039VT2PRIB	VT2P	103	249.7	16.0	2	30.1	1265	20
Chemgro	6725RDP	VT2P	107	249.2	17.5	3	28.8	1253	27
Revere	0518 VT2PRIB	VT2P	105	249.1	16.6	3	28.2	1258	24
Revere	0297 VT2PRIB	VT2P	102	248.1	15.9	3	28.3	1257	25
Golden Harvest	G08B38-AA	AA	108	248.1	18.7	1	28.9	1240	29
Mid-Atlantic	MA6032PWE	PCE	103	247.2	15.7	2	29.4	1254	26
Augusta	A2262-3110	3110	112	246.6	17.7	1	28.5	1239	30

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Averages = **255.0** **17.5** **2** **29.0** **1282**

LSD (0.10) = 16.8 0.4 1

LSD (0.25) = 8.8 0.2 1

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C.V. = 6.3 Historic yield: 173.82 bu/a, 16 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$5.09

Report Date: 12/11/2023

† 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

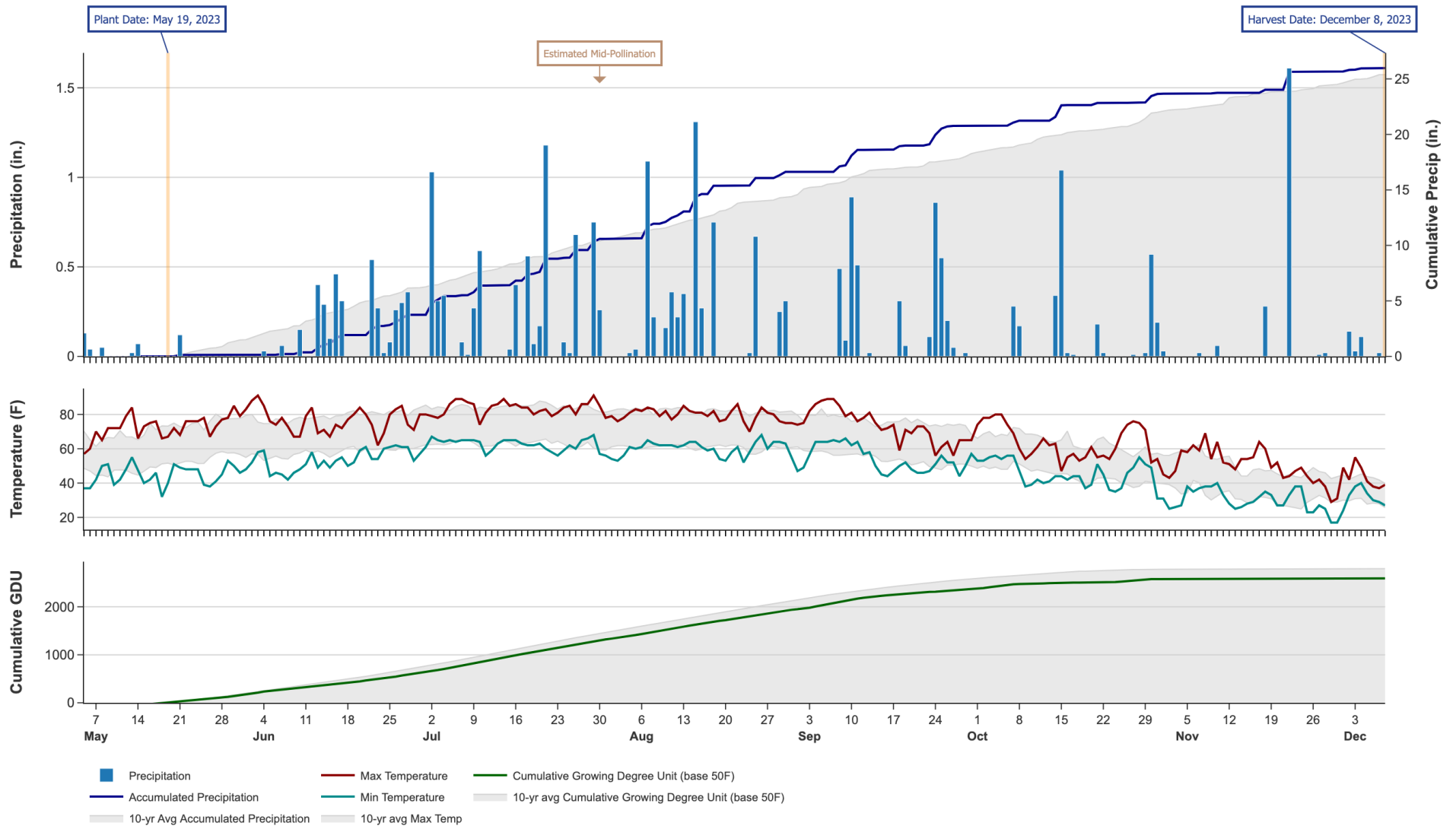
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2023 Corn - Pennsylvania Central [PACE]

Weather Conditions Summary at MCVEYTOWN, PA

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov	Dec*	Total
Precip (in) (Diff)	0.4 4.3 (-3.8)	3.6 4.7 (-1.1)	6.8 4.4 (+2.5)	6.0 3.8 (+2.2)	4.2 3.9 (+0.3)	2.9 3.7 (-0.9)	2.0 2.5 (-0.5)	0.3 0.9 (-0.6)	26.3 28.2 (-1.9)
GDU Avg (Diff)	293 319 (-26)	462 556 (-94)	704 727 (-23)	617 665 (-48)	424 455 (-31)	216 195 (+20)	16 11 (+4)	0 0 (0)	2732 2932 (-200)



* 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 (42 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1954 PCE	PCE	N	104	CM,C2
Augusta	A1958-DV	DV	N	108	CM,C2
Augusta	A1961 TRE	TRE	N	111	Treated
Augusta	A2061-PWE	PCE	N	111	CM,C2
Augusta	A2262-3110	3110	N	112	CM,C2
Chemgro	6434PC	PCE	N	104	CM,C2,Vi,Va
Chemgro	6535RDD	VT2PDG	Y	105	AC,P2
Chemgro	6725RDP	VT2P	Y	107	AC250
Chemgro	7035RDP	VT2P	Y	110	AC250
Chemgro	7144PC	PCE	N	111	CM,C2,Vi,Va
DeKalb	DKC62-70RIB GC	VT2P	Y	112	AC,P5V,EDC-EL
Golden Harvest	G08B38-AA	AA	Y	108	CM,C5,Va
Hefty	H5444	STX	N	104	HC
Hefty	H5674	STXP	Y	106	HC
Hefty	H6064	STX	N	110	HC
Hefty	H6244	STX	N	112	NA
Hubner	H0475P	STXP	Y	104	AC,P5V,B360
Hubner	H0881D	VT2P	Y	108	AC,P5,B360
Hubner	H6390RCSS	STX	Y	108	AC,P5V,B360
Hubner	H6663RCSS	STX	Y	113	AC,P5V
Mid-Atlantic	MA6032PWE	PCE	N	103	CM,C2
Mid-Atlantic	MA8039VT2PRIB	VT2P	Y	103	AC,P2
Mid-Atlantic	MA8042VT2PRIB	VT2P	Y*	104	AC,P2
Pine Creek	R5315V20 GC	V	N*	103	Treated
Pine Creek	R5318DV GC	DV	N*	105	Treated
Pine Creek	R5327D	D	Y	103	Treated
Pine Creek	R5917D	D	Y	109	Treated
Pine Creek	R6018DV GC	DV	N*	110	Treated
Pioneer	P0487Q GC	QR	Y	104	Lum
Pioneer	P0859AM GC	AM	Y	108	Lum
Pioneer	P1136AM GC	AM	Y	111	Lum
Revere	0297 VT2PRIB	VT2P	Y	102	Treated
Revere	0518 VT2PRIB	VT2P	Y	105	Treated
Revere	0707 DGVT2PRIB	VT2PDG	Y	107	Treated
Revere	0918 VT2PRIB	VT2P	Y	109	Treated
Seed Consultants	SC1093AM	AM	Y	109	Lum, L1
Seed Consultants	SC1094Q	QR	Y	109	Lum, L1
Seed Consultants	SC1112AM	AM	Y	111	Lum, L1
Seed Consultants	SC1122Q	QR	Y	112	Lum, L1
Seedway	SW 0711SS	STX	Y	107	AC,P5
Seedway	SW 0987VT	VT2P	Y	109	AC,P5
Seedway	SW 1021VT	VT2P	Y	110	AC,P5

* FIRST does not inspect products for refuge blend. N* indicates the product was entered without a refuge component by the sponsoring seed company. Prior year entries may contain refuge blend.

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.
^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Innotech™ is a trademark of Syngenta. Power Plus® brand seed is distributed by Burrus. Power Plus® is a registered trademark of Corteva Agriscience.

Corn Technologies

3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
AA	Agrisure® Above (CB,HX,LL,GT), formerly Agrisure® 3120
AM	Optimum® AcreMax®
D	Duracade™ (CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5122
DV	DuracadeViptera™ (Vip,CB,HX,RW,RW2,LL,GT), formerly Agrisure Duracade® 5222
PCE	PowerCore® Enlist®
QR	Qrome®
STX	SmartStax®
STXP	SmartStax® Pro with RNAi Technology
TRE	Trecepta®
V	Viptera™ (Vip,CB,HX,LL,GT), formerly Agrisure Viptera® 3220
VT2P	VT Double PRO®
VT2PDG	DroughtGard® with VT Double PRO®

NOTE: The refuge component genetics may vary in a refuge blend seed product.

Corn Seed Treatments*

NA	Not Available
AC250	Acceleron® 250
AC,P2	Acceleron® 250
AC,P5	Acceleron® 500
AC,P5,B360	Acceleron® 500 with BioRise™ B-360 ST
AC,P5V	Acceleron® Poncho 500/Votivo
AC,P5V,B360	Acceleron® Poncho 500/Votivo with B-360 SAT
AC,P5V,EDC-EL	Acceleron® ELITE Poncho 500/Votivo with Enhanced Disease Control
CM,C2	CruiserMaxx® 250
CM,C2,Vi,Va	CruiserMaxx® 250 with Vibrance, Vayantis®
CM,C5,Va	CruiserMaxx® 500 with Vayantis®
HC	Hefty Complete
Lum	LumiGEN™ (Corteva Agriscience)
Lum, L1	LumiGEN, Lumisure 1250
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.