

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

2023 Corn Grain Top 30 Harvest Report

Pennsylvania Central [PACE] MARTINSBURG, PA

Jim Smith, Blair County, PA 16673

All-Season Test	102 - 112 Day CRM B2023PACE03
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Glyphosate, Poast
SOIL DESCRIPTION:	Hublersburg Cherty silt loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, medium K, 5.3 pH, 3.8% OM, 14.9 CEC
PEST MANAGEMENT:	Dual li, Atrazine, Glyphosate, Capreno, Ethos, Xyway
FERTILITY - Applied N:	175 Spring
Applied N-P-K (units):	175-0-0
SEEDED - RATE - ROW:	May 15 32.5 /A 30" spacing
HARVESTED - STAND:	Nov 20 29.2 /A

TEST COMMENTS:

This site planted very well. Soil moisture was good with just wet enough for good germination, but a dry spell right after planting did allow roots to go deep. Many farmers were saying they had the best corn yields ever and this plot backed it up. Corn was standing nice at harvest, with some gray leaf spot but not bad enough to hurt yield or standability. The overall rating of the plot is an 8 out of 10. (10=best)

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Revere	0918 VT2PRIB ↗	VT2P	109	265.9	17.8	2	29.8	1335	1
Augusta	A1961 TRE ↗	TRE	111	249.5	17.7	2	29.5	1253	3
Seedway	SW 0711SS ↗	STX	107	249.1	16.2	4	28.5	1261	2
Revere	0707 DGVT2PRIB ↗	VT2PDG	107	248.7	17.4	1	31.0	1251	4
Seedway	SW 1021VT ↗	VT2P	110	248.7	18.0	2	26.8	1247	5
Chemgro	7144PC ↗	PCE	111	248.2	18.8	1	29.8	1240	7
Seed Consultants	SC1093AM ↗	AM	109	248.0	18.9	1	30.1	1238	9
Hubner	H0881D ↗	VT2P	108	247.4	18.1	2	29.2	1240	8
Seedway	SW 0987VT ↗	VT2P	109	247.0	18.8	2	31.6	1234	10
Mid-Atlantic	MA8039VT2PRIB ↗	VT2P	103	245.6	15.7	4	30.9	1246	6
Chemgro	6725RDP ↗	VT2P	107	245.2	18.7	1	28.3	1226	12
Hubner	H6390RCSS ↗	STX	108	245.0	18.4	2	29.6	1226	13
Seed Consultants	SC1094Q ↗	QR	109	244.8	18.2	3	29.9	1226	14
Revere	0297 VT2PRIB ↗	VT2P	102	243.5	15.9	2	29.2	1234	11
Augusta	A2061-PWE ↗	PCE	111	243.3	18.7	1	27.6	1216	15
Hefty	H6064 ↗	STX	110	241.3	19.5	4	28.8	1201	18
Seed Consultants	SC1122Q ↗	QR	112	241.0	20.1	2	29.8	1196	20
Augusta	A1954 PCE ↗	PCE	104	238.9	16.6	1	29.9	1206	17
Hubner	H6663RCSS ↗	STX	113	237.8	20.0	1	29.8	1181	24
Mid-Atlantic	MA8042VT2PRIB ↗	VT2P	104	237.5	16.5	2	27.0	1200	19
Chemgro	6535RDD ↗	VT2PDG	105	237.4	15.2	2	30.6	1207	16
DeKalb	DKC62-70RIB GC ↗	VT2P	112	236.8	18.6	3	29.0	1184	23
Pioneer	P0487Q GC ↗	QR	104	236.2	17.1	3	29.4	1190	22
Chemgro	6434PC ↗	PCE	104	236.0	16.3	3	30.2	1194	21
Chemgro	7035RDP ↗	VT2P	110	234.2	19.4	1	29.6	1167	26
Golden Harvest	G08B38-AA ↗	AA	108	233.2	18.5	2	30.6	1167	27
Pioneer	P0859AM GC ↗	AM	108	232.2	17.8	2	29.4	1165	28
Pine Creek	R5318DV GC ↗	DV	105	231.4	14.9	4	29.8	1178	25
Hubner	H0475P ↗	STXP	104	229.3	15.7	1	28.4	1163	29
Pine Creek	R5327D ↗	D	103	227.3	16.1	3	29.2	1151	30

Robin Kauffman

Averages = **236.1** **17.7** **2** **29.2** **1186**

LSD (0.10) = 15.5 0.6 1

LSD (0.25) = 8.1 0.3 1

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C.V. = 6.2

Historic yield: 183.47 bu/a, 21 yr(s)

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$5.09

Report Date: 11/21/2023

† 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

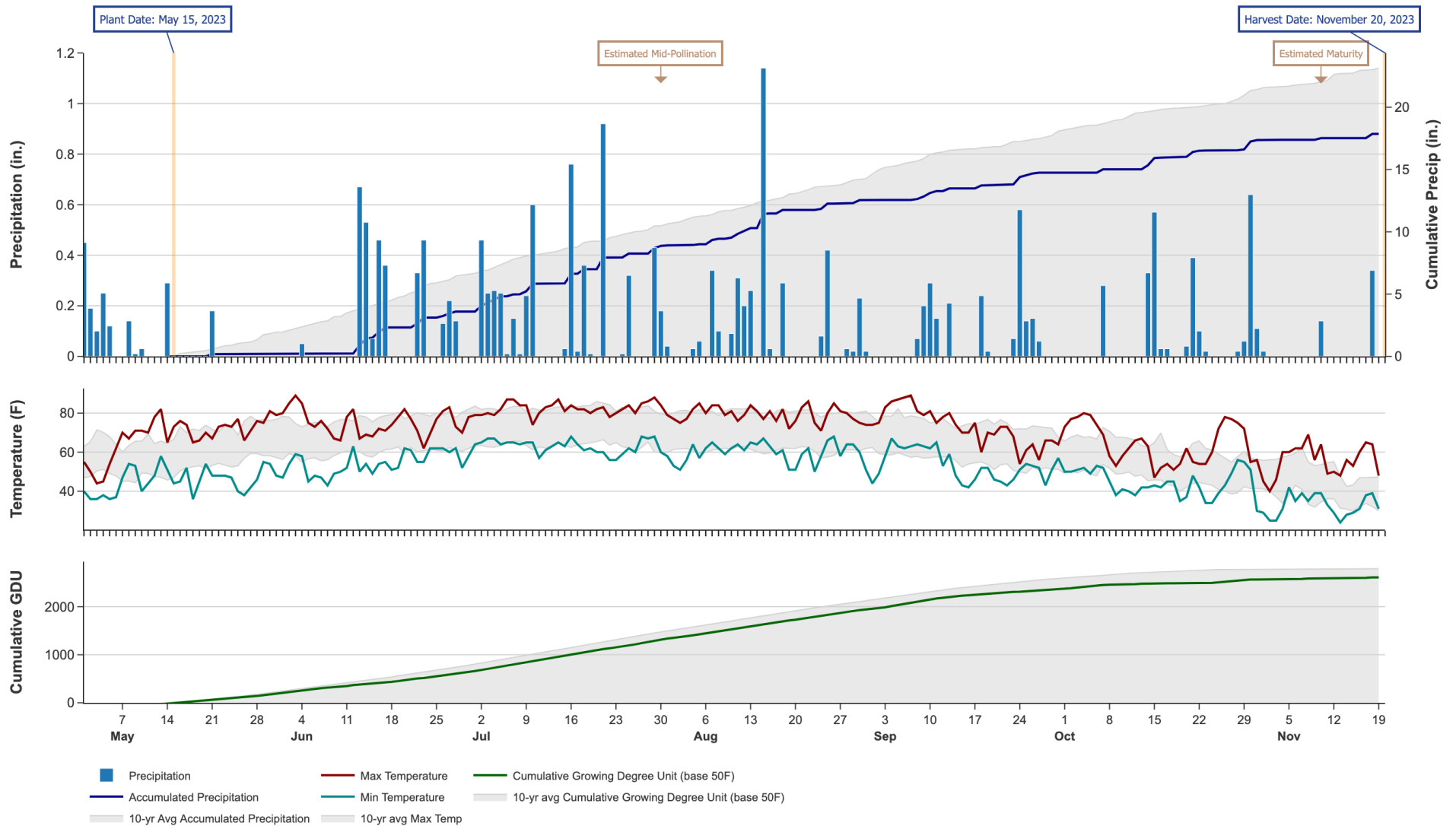
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Weather Conditions Summary at MARTINSBURG, PA

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) (Diff)	1.8 4.2 (-2.5)	3.4 4.6 (-1.2)	5.3 4.1 (+1.2)	3.6 3.6 (0.0)	2.2 3.8 (-1.6)	2.6 3.3 (-0.7)	0.5 1.7 (-1.2)	19.4 25.4 (-6.0)
GDU Avg (Diff)	296 345 (-49)	450 556 (-106)	696 709 (-13)	606 644 (-38)	417 453 (-36)	208 189 (+18)	42 10 (+31)	2715 2909 (-194)



* 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.