

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

2023 Corn Grain Top 30 Harvest Report

Pennsylvania Central [PACE] NORTHUMBERLAND, PA
Scott Shoop, Northumberland County, PA 17847

All-Season Test	102 - 112 Day CRM B2023PACE01
Top 30 of 42	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Glyphosate, Assure
SOIL DESCRIPTION:	Bedington silt loam, well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, very high K, 5.0 pH, 2.3% OM, 10.7 CEC
PEST MANAGEMENT:	2,4-D, Acuron, Glyphosate, Ethos, Xyway
FERTILITY - Applied N:	100 Planter, 120 Sidedress
Applied N-P-K (units):	220-0-0
SEEDED - RATE - ROW:	May 16 32.5 /A 30" spacing
HARVESTED - STAND:	Nov 25 31.6 /A

TEST COMMENTS:

This was a very nice plot with big yields and some good standability differences. Downed corn was about 50% root lodging and 50% broken stalks below the ear. Big yields caused the root lodging, while anthracnose and gray leaf spot and some heavy winds caused the stalk breakage. 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
Augusta	A1961 TRE ↗	TRE	111	323.2	18.1	4	32.1	1620	1
Hubner	H0881D ↗	VT2P	108	302.9	17.7	6	31.9	1521	2
DeKalb	DKC62-70RIB GC ↗	VT2P	112	302.6	19.6	8	32.4	1505	4
Seed Consultants	SC1094Q ↗	QR	109	300.9	18.3	9	29.9	1507	3
Pioneer	P1136AM GC ↗	AM	111	300.3	19.4	7	32.3	1495	6
Seed Consultants	SC1093AM ↗	AM	109	300.0	18.7	2	31.5	1500	5
Seed Consultants	SC1112AM ↗	AM	111	296.2	19.1	18	31.9	1478	7
Seed Consultants	SC1122Q ↗	QR	112	294.0	19.1	6	32.5	1467	8
Pine Creek	R6018DV GC ↗	DV	110	292.8	19.7	11	32.4	1456	11
Revere	0918 VT2PRIB ↗	VT2P	109	291.7	18.0	10	31.6	1463	9
Augusta	A2262-3110 ↗	3110	112	291.1	19.6	2	32.7	1448	12
Mid-Atlantic	MA8039VT2PRIB ↗	VT2P	103	288.6	15.8	19	30.2	1463	10
Hefty	H6244 ↗	STX	112	287.4	20.2	5	31.0	1425	18
Hubner	H6663RCSS ↗	STX	113	287.2	19.7	2	32.1	1428	16
Seedway	SW 0987VT ↗	VT2P	109	286.7	18.5	14	32.1	1434	14
Revere	0707 DGVT2PRIB ↗	VT2PDG	107	286.0	17.3	1	31.7	1440	13
Seedway	SW 1021VT ↗	VT2P	110	285.7	18.5	4	30.1	1429	15
Hefty	H6064 ↗	STX	110	285.2	18.9	15	32.8	1424	19
Chemgro	7144PC ↗	PCE	111	283.7	18.4	4	31.5	1420	20
Chemgro	6535RDD ↗	VT2PDG	105	282.4	16.3	19	31.9	1428	17
Chemgro	7035RDP ↗	VT2P	110	282.0	18.6	3	32.0	1410	21
Augusta	A2061-PWE ↗	PCE	111	281.0	18.7	1	29.6	1404	22
Pioneer	P0859AM GC ↗	AM	108	279.5	17.9	3	32.1	1402	23
Seedway	SW 0711SS ↗	STX	107	277.4	17.3	9	31.8	1396	24
Hefty	H5674 ↗	STXP	106	274.7	16.9	33	32.2	1385	25
Revere	0297 VT2PRIB ↗	VT2P	102	273.1	15.8	11	32.8	1385	26
Augusta	A1954 PCE ↗	PCE	104	273.0	16.4	9	33.2	1380	27
Hubner	H0475P ↗	STXP	104	271.6	16.4	4	32.1	1373	28
Hubner	H6390RCSS ↗	STX	108	270.2	17.5	5	31.1	1358	29
Mid-Atlantic	MA6032PWE ↗	PCE	103	267.6	16.9	10	31.4	1349	30

Robin Kauffman

Averages = **278.7** **17.9** **11** **31.6** **1398**

LSD (0.10) = 14.4 0.3 12

LSD (0.25) = 7.5 0.2 6

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C.V. = 4.9

Historic yield: 209.22 bu/a, 18 yr(s)

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$5.09

Report Date: 11/26/2023

† 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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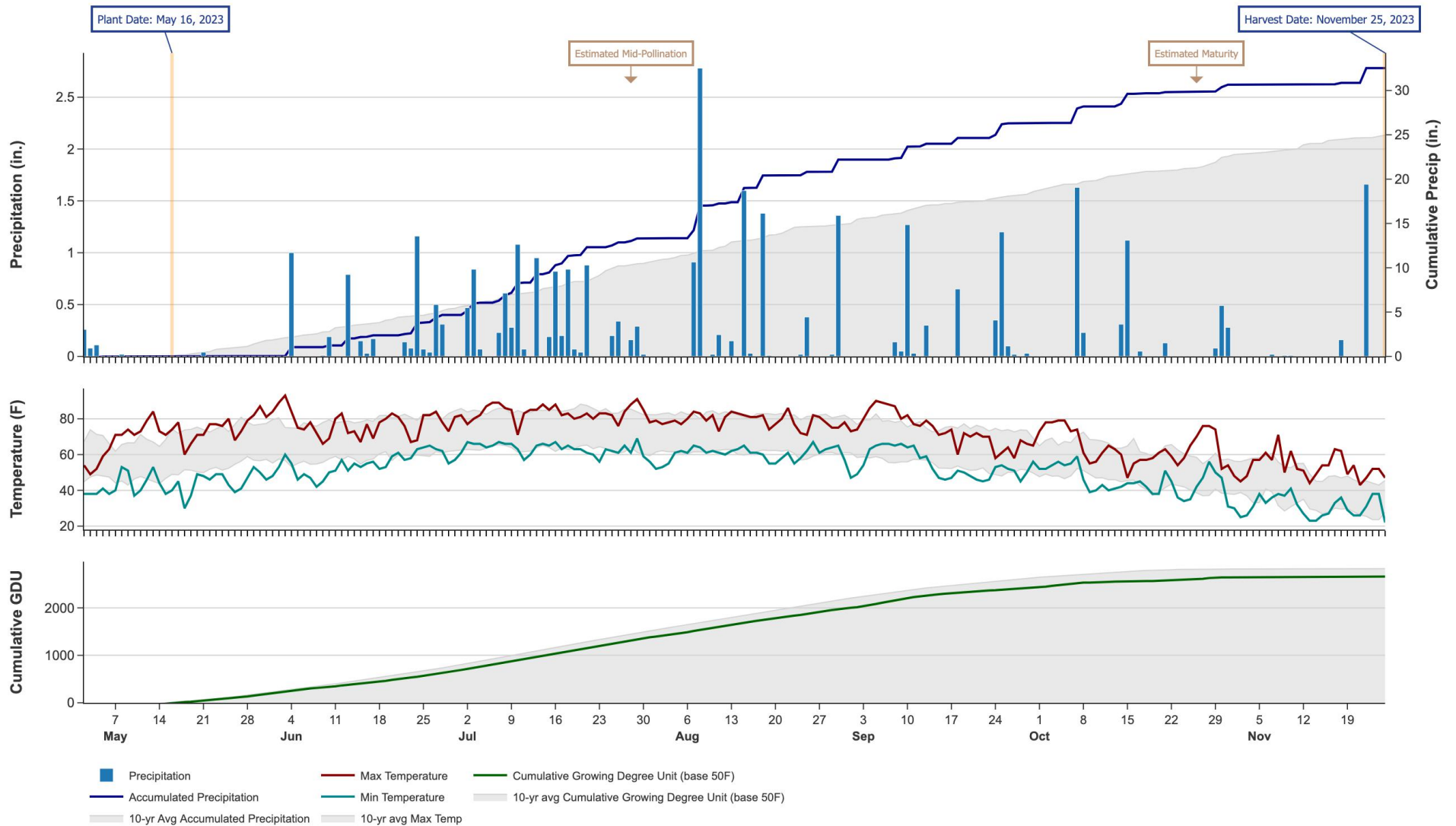
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2023 Corn - Pennsylvania Central [PACE]

Weather Conditions Summary at NORTHUMBERLAND, PA

Weather Data Retrieved: 11/26/2023

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) (Diff)	0.5 4.3 (-3.8)	4.6 3.6 (+1.0)	8.7 5.2 (+3.4)	8.9 4.2 (+4.6)	4.1 3.7 (+0.5)	4.3 4.0 (+0.3)	1.9 2.4 (-0.5)	33.0 27.5 (+5.5)
GDU Avg (Diff)	319 353 (-34)	486 563 (-77)	710 735 (-25)	610 671 (-61)	429 450 (-21)	222 182 (+39)	16 4 (+11)	2792 2962 (-170)



* 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.