

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

2021 Corn Grain Top 30 Harvest Report

Pennsylvania Central [PACE] DANVILLE, PA
Rich & Stan Crone, Columbia County, PA 17821

All-Season Test	102 - 112 Day CRM B2021PACE06
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Wheat/Soybean / Glyphosate
SOIL DESCRIPTION:	clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	No-Till, medium P, high K, 6.2 pH, 3.2% OM, 8.2 CEC
PEST MANAGEMENT:	Glyphosate, Degree X-Tra, Ethos Xp, Capreno, Atrazine
FERTILITY - Applied N:	102 Planter, 98 Sidedress
Applied N-P-K (units):	200-12-4
SEEDED - RATE - ROW:	May 20 34.5 /A 30" spacing
HARVESTED - STAND:	Nov 29 30.9 /A

TEST COMMENTS:

Planted in green cover crop, which reduced stands slightly, but they were very uniform and emergence was good. Soil temperature was a warm 71.5F with furrow moisture of 39.8%. Weed control was excellent and standability at harvest was great with only some tops breaking off. Rainfall for the summer was above average but sunshine was limited due to the cloudy season. 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
Hefty	H5952 ↗	VT2P	109	247.9	18.7	1	30.5	1480	1
Augusta	A4463 VT2P ↗	VT2P	113	243.4	18.8	0	30.2	1452	2
Mid-Atlantic	MA8110 ↗	TRE	111	242.7	18.7	1	30.7	1449	3
DeKalb	DKC58-64RIB GC ↗	STX	108	241.1	19.3	0	31.2	1435	4
Mid-Atlantic	MA8106 ↗	VT2P	110	238.9	17.4	0	31.5	1433	6
Chemgro	6725RDP ↗	VT2P	107	238.6	16.9	1	30.3	1434	5
NK Brand	NK1026-5332 EZR ↗	5332	110	236.8	20.6	0	31.1	1402	10
Hefty	H6244 RIB ↗	STX	112	236.6	21.3	1	31.6	1397	11
Local Seed	LC0707 DGVT2PRIB ↗	VT2PDG	107	236.0	16.9	0	31.4	1419	7
Local Seed	LC0918 SSXRIB ↗	STX	109	234.9	17.3	1	31.6	1410	8
Hefty	H5812 RIB ↗	VT2P	108	234.4	16.8	0	32.6	1410	9
Hubner	H6456RCSS ↗	STX	109	232.9	18.6	0	30.1	1390	12
Mid-Atlantic	MA8128 ↗	VT2P	112	231.8	18.4	0	29.9	1385	14
Augusta	A3363 VT2PDG ↗	VT2PDG	113	230.8	19.9	2	29.5	1370	19
Seed Consultants	SC1087AM ↗	AM	108	230.3	17.0	1	31.4	1384	15
Mid-Atlantic	MA8039 ↗	VT2P	103	229.8	16.0	1	30.8	1387	13
Augusta	A1059-3110 ↗	3110	109	229.8	19.7	0	32.5	1366	20
Mid-Atlantic	MA8064 ↗	VT2P	106	229.6	16.6	0	31.0	1382	16
Seed Consultants	SC1071AM ↗	AM	107	229.3	17.2	0	31.1	1377	17
NK Brand	NK0748-5122 EZR ↗	5122	107	229.1	17.6	1	29.4	1374	18
Hefty	H6134 RIB ↗	STX	111	229.1	20.2	0	31.8	1359	21
Seedway	SW1162VT ↗	VT2P	111	227.0	18.3	1	29.9	1357	23
Seed Consultants	SC1122Q ↗	QR	112	226.7	17.8	0	31.8	1358	22
Augusta	A1259-5222 ↗	5222	109	225.5	19.6	2	31.2	1340	25
NK Brand	NK1082-5222A EZR ↗	5222A	110	224.6	20.2	2	30.2	1332	28
Local Seed	LC0297 VT2PRIB ↗	VT2P	102	224.3	16.0	0	30.3	1353	24
Dyna-Gro	D52VC63 ↗	VT2P	112	223.8	18.8	0	30.9	1335	27
Augusta	A1961 TRE ↗	TRE	111	223.3	17.8	2	31.4	1338	26
Local Seed	LC1009 VT2PRIB ↗	VT2P	110	221.0	17.5	0	31.9	1325	29
Chemgro	6505RDP ↗	VT2P	105	219.8	16.4	1	29.4	1324	30

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Averages = **222.1** **17.8** **1** **30.9** **1330**

LSD (0.10) = 14.5 0.4 1

LSD (0.25) = 7.6 0.2 0

C.V. = 6.2

Historic yield: 184.37 bu/a, 18 yr(s)

Yield & Income Factors:

Base Moisture = 15.0%

Shrink = 1.3

Drying = \$0.025

Prices: GMO = \$6.06

Report Date: 11/30/2021

† 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

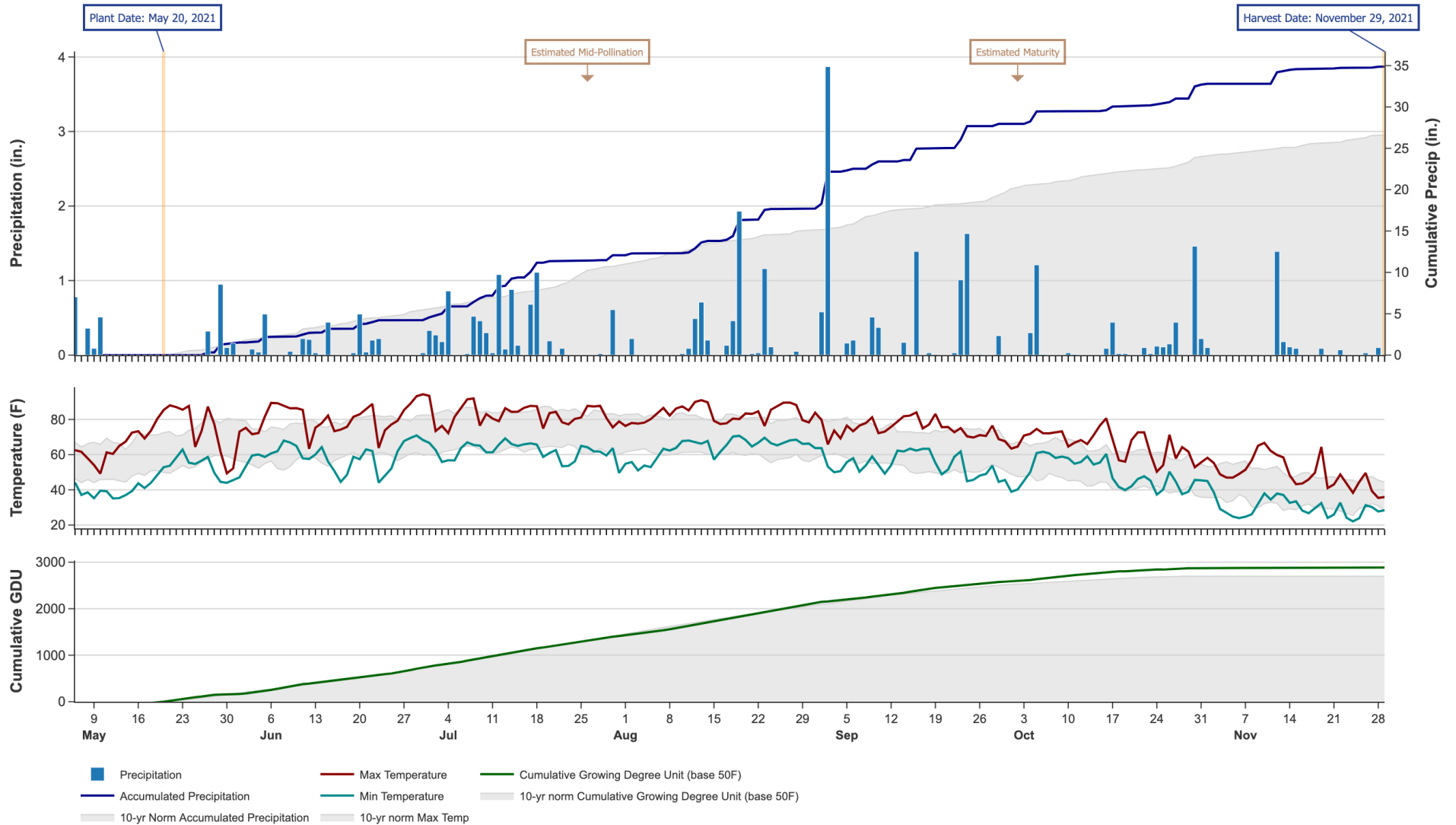
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2021 Corn - Pennsylvania Central [PACE]

Weather Conditions Summary at DANVILLE, PA

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) Normal (Diff)	3.3 3.9 (-0.7)	2.7 3.9 (-1.2)	7.8 5.5 (+2.4)	5.6 4.2 (+1.4)	10.2 4.5 (+5.7)	4.8 4.3 (+0.4)	2.2 2.6 (-0.4)	36.6 29.0 (+7.6)
GDU Normal (Diff)	260 312 (-52)	583 540 (+42)	675 728 (-53)	715 636 (+78)	455 432 (+22)	291 186 (+104)	12 0 (+12)	2991 2835 (+155)



* 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	RIB	RM	Seed Treat.
Augusta	A1059-3110	3110	N	109	CM,C2
Augusta	A1060-3330	3330	N	110	CM,C2
Augusta	A1259-5222	5222	N	109	CM,C2
Augusta	A1961 TRE	TRE	N	111	AC,P2
Augusta	A2362 VT2P	VT2P	N	112	CM,C2
Augusta	A3363 VT2PDG	VT2PDG	N	113	CM,C2
Augusta	A4463 VT2P	VT2P	N	113	CM,C2
Chemgro	6505RDP	VT2P	Y	105	AC,P2
Chemgro	6725RDP	VT2P	Y	107	AC,P5
Chemgro	6815RDP	VT2P	Y	108	AC,P2
Chemgro	6929RSX	STX	Y	109	AC,P5
DeKalb	DKC58-64RIB GC	STX	Y	108	Treated
Dyna-Gro	D45TC55	TRE	N	105	AC,P5V
Dyna-Gro	D52VC63	VT2P	N	112	AC,P5V
Hefty	H5432 RIB	VT2P	Y	104	HC
Hefty	H5812 RIB	VT2P	Y	108	HC
Hefty	H5944 RIB	STX	Y	109	HC
Hefty	H5952	VT2P	N	109	HC
Hefty	H6134 RIB	STX	Y	111	HC
Hefty	H6244 RIB	STX	Y	112	HC
Hubner	H05G716	VT2PDG	Y	105	AC,P5,B360
Hubner	H6358RCSS	STX	Y	103	AC,P5
Hubner	H6390RCSS	STX	Y	108	AC,P5
Hubner	H6456RCSS	STX	Y	109	AC,P5
Local Seed	LC0297 VT2PRIB	VT2P	Y	102	RA
Local Seed	LC0518 VT2PRIB	VT2P	Y	105	AC,P5V,EDC-EL
Local Seed	LC0607 TCRIB	TRE	Y	106	RA
Local Seed	LC0707 DGVT2PRIB	VT2PDG	Y	107	RA
Local Seed	LC0918 SXXRIB	STX	Y	109	AC,P5V,EDC-EL
Local Seed	LC0999 VT2PRIB	VT2P	Y	109	RA
Local Seed	LC1009 VT2PRIB	VT2P	Y	110	RA
Mid-Atlantic	MA5083-5122	5122	Y	108	CM,C2
Mid-Atlantic	MA8039	VT2P	Y	103	AC,P2
Mid-Atlantic	MA8042	STX	N	104	AC,P2
Mid-Atlantic	MA8064	VT2P	N	106	AC,P2
Mid-Atlantic	MA8106	VT2P	Y	110	AC,P2
Mid-Atlantic	MA8110	TRE	N	111	AC,P2
Mid-Atlantic	MA8128	VT2P	Y	112	AC,P2
NK Brand	NK0314-5122 EZR	5122	Y	103	AVC,C2,Vi
NK Brand	NK0748-5122 EZR	5122	Y	107	AVC,C2,Vi
NK Brand	NK0877-3220 EZR	3220	Y	108	AVC,C5,Vi
NK Brand	NK1026-5332 EZR	5332	Y	110	AVC,C5,Vi

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
NK Brand	NK1082-5222A EZR	5222A	Y	110	AVC,C5,Vi
Pioneer	P0806AM GC	AM	Y	108	Lum
Pioneer	P1077AM GC	AM,AQ	Y	110	Lum
Seed Consultants	SC1042Q	QR	Y	104	Lum,P1V
Seed Consultants	SC1071AM	AM	Y	107	Lum,P1V
Seed Consultants	SC1087AM	AM	Y	108	Lum,P1V
Seed Consultants	SC1092AM	AM	Y	109	Lum,P1V
Seed Consultants	SC1112AM	AM	Y	111	Lum,P1V
Seed Consultants	SC1122Q	QR	Y	112	Lum,P1V
Seedway	SW1162VT	VT2P	Y	111	AC,P5
Seedway	SW6340	VT2P	Y	106	AC,P5
Seedway	SW6540	VT2P	Y	109	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

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

CK Identifies a check product included in early- and full-season tests.

GC Grower Comparison product included by FIRST when space permits.

Corn Technologies

3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)
3330	Agrisure® Viptera® 3330 (Vip,CB,LL,GT)
5122	Agrisure® Duracade™ 5122
5222	Agrisure® Duracade™ 5222
5222A	Agrisure® Duracade™ Artesian® 5222
5332	Agrisure® Duracade® 5332 (Vip, CB, HX, RW, RW2, LL, GT)
AM	Optimum® AcreMax®
AQ	Optimum® AQUAmax®
QR	Qrome™
STX	SmartStax®
TRE	Genuity® Trecepta™
VT2P	Genuity® VT Double PRO®
VT2PDG	Genuity® VT Double PRO® DroughtGard®

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

Corn Seed Treatments*

NA	Not Available
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,EDC-EL	Acceleron® ELITE Poncho 500/Votivo with Enhanced Disease Control
AVC,C2,Vi	Avicta® Complete 250, Vibrance®
AVC,C5,Vi	Avicta® Complete 500, Vibrance
CM,C2	CruiserMaxx® 250
HC	Hefty Complete
Lum	LumiGEN™ (Corteva Agriscience)
Lum,P1V	LumiGEN™ Poncho 1250/Votivo
RA	Radius 500 (Local Seed Co)
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.