

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

2021 Corn Grain Top 30 Harvest Report

Pennsylvania Central [PACE] MARTINSBURG, PA

Jim Smith, Blair County, PA 16673

All-Season Test	102 - 112 Day CRM B2021PACE04
Top 30 of 54	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Glyphosate
SOIL DESCRIPTION:	silt loam, mod. well drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, very high P, medium K, 5.6 pH, 4.5% OM, 14.8 CEC
PEST MANAGEMENT:	Atrazine, Dual li, Xyway, Ethos Xp, Capreno
FERTILITY - Applied N:	75 Fall, 100 Sidedress
Applied N-P-K (units):	175-0-0
SEDED - RATE - ROW:	May 19 34.5 /A 30" spacing
HARVESTED - STAND:	Nov 15 33.9 /A

TEST COMMENTS:

Conventional tillage allowed the soil temperature to rise to 83.0F with furrow moisture of 30.8% at planting, and corn took off running! Great stand. Except for a short dry spell in June, rainfall for the summer was good to above average. Weed control was excellent and disease did not hurt hybrid standability. Most lodging ratings were from tops being taken out. With a little more nitrogen, this plot would have probably yielded 25+ bushels higher. The overall rating of the plot is a 7 out of 10. (10=best)

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A ↓	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Mid-Atlantic	MA8110 ↗	TRE	111	247.3	19.0	0	33.0	1501	1
Hubner	H6456RCSS ↗	STX	109	244.3	20.3	1	35.9	1475	2
Seed Consultants	SC1112AM ↗	AM	111	239.1	19.0	0	34.6	1451	4
Local Seed	LC0918 SSXRIB ↗	STX	109	238.4	18.3	2	32.6	1451	5
Seedway	SW6540 ↗	VT2P	109	237.7	17.1	1	35.6	1454	3
Augusta	A4463 VT2P ↗	VT2P	113	237.6	19.6	1	33.8	1438	6
Mid-Atlantic	MA8042 ↗	STX	104	235.7	18.8	1	33.9	1432	7
Hefty	H6244 RIB ↗	STX	112	234.4	19.6	0	34.9	1419	8
Seedway	SW1162VT ↗	VT2P	111	233.3	20.6	2	35.0	1407	9
Hefty	H6134 RIB ↗	STX	111	229.8	18.6	2	33.8	1397	10
Hefty	H5944 RIB ↗	STX	109	229.8	18.9	0	33.2	1396	11
Seed Consultants	SC1122Q ↗	QR	112	229.2	21.3	0	33.9	1378	15
Mid-Atlantic	MA8128 ↗	VT2P	112	228.3	20.3	1	34.0	1378	16
Dyna-Gro	D45TC55 ↗	TRE	105	228.2	18.5	0	33.5	1388	12
NK Brand	NK1082-5222A EZR ↗	5222A	110	227.4	19.1	4	33.7	1380	14
Seed Consultants	SC1042Q ↗	QR	104	226.9	17.5	0	33.4	1386	13
Pioneer	P0806AM GC ↗	AM	108	226.6	20.7	1	34.8	1366	17
Augusta	A2362 VT2P ↗	VT2P	112	225.3	19.3	1	32.9	1366	18
Chemgro	6725RDP ↗	VT2P	107	223.7	18.0	1	32.7	1363	19
DeKalb	DKC58-64RIB GC ↗	STX	108	223.0	21.1	0	35.5	1342	22
Hefty	H5432 RIB ↗	VT2P	104	221.3	16.6	5	33.8	1357	20
Mid-Atlantic	MA8064 ↗	VT2P	106	220.7	16.9	1	33.9	1351	21
Augusta	A1259-5222 ↗	5222	109	220.7	18.5	5	35.0	1342	23
Chemgro	6929RSX ↗	STX	109	220.3	19.5	0	33.9	1334	27
Seed Consultants	SC1071AM ↗	AM	107	219.3	18.2	2	33.0	1335	26
NK Brand	NK0748-5122 EZR ↗	5122	107	218.8	17.6	1	32.5	1336	25
Seed Consultants	SC1087AM ↗	AM	108	218.4	16.9	2	34.1	1337	24
Augusta	A1961 TRE ↗	TRE	111	218.1	17.7	1	34.6	1331	28
Chemgro	6505RDP ↗	VT2P	105	217.4	16.9	3	35.0	1331	29
Local Seed	LC0518 VT2PRIB ↗	VT2P	105	216.6	16.6	1	34.3	1328	30

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Averages = **219.0** **18.5** **1** **33.9** **1332**

LSD (0.10) = 14.7 0.9 2

LSD (0.25) = 7.7 0.5 1

C.V. = 6.4

Historic yield: 177.94 bu/a, 19 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$6.17

Report Date: 11/16/2021

† 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

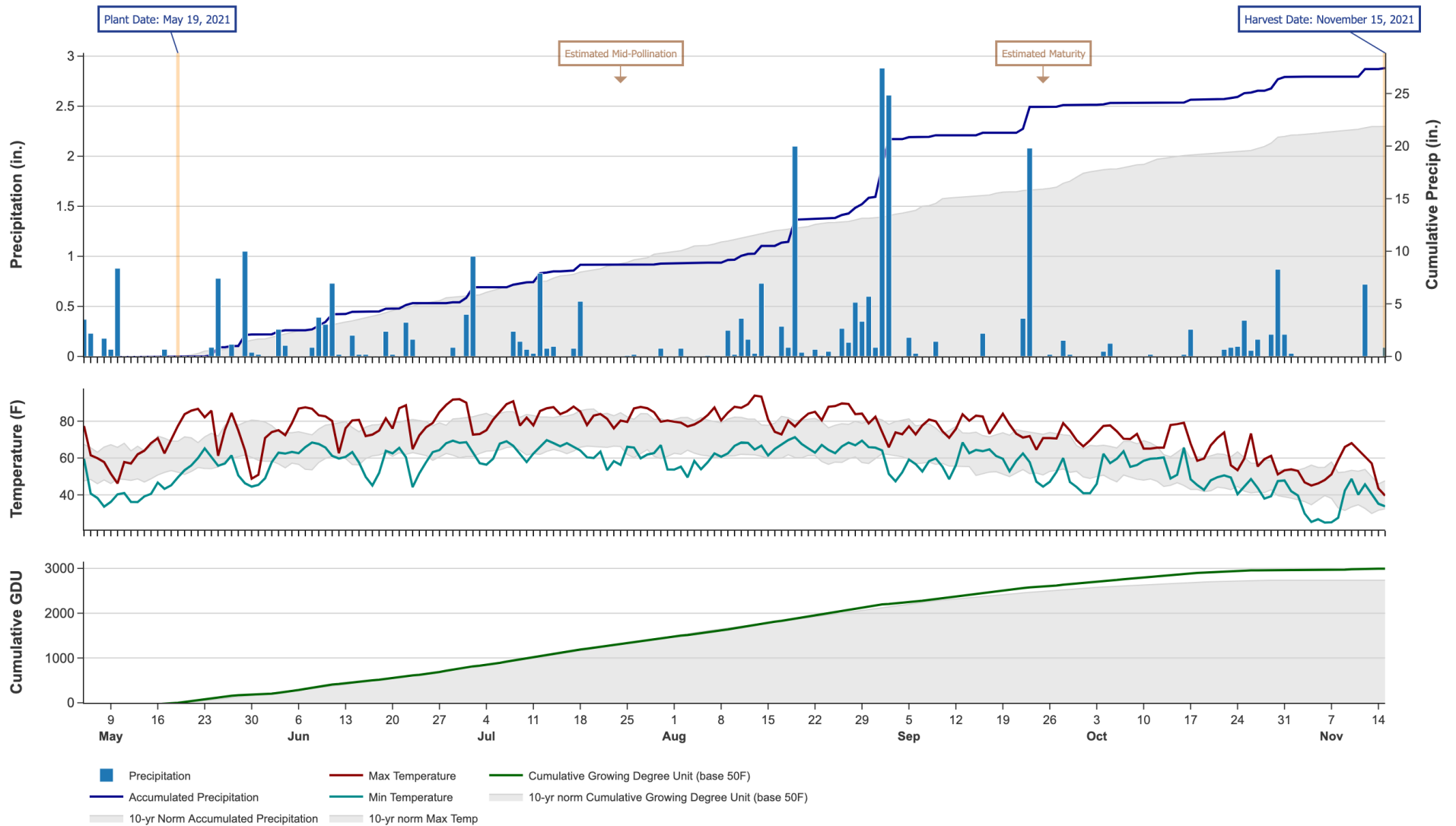
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Weather Conditions Summary at MARTINSBURG, PA

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) Normal (Diff)	3.9 3.8 (+0.1)	3.0 4.0 (-1.0)	3.7 4.3 (-0.6)	6.3 3.2 (+3.1)	8.8 3.9 (+4.9)	2.6 3.9 (-1.2)	0.8 0.9 (-0.1)	29.2 24.0 (+5.2)
GDU Normal (Diff)	257 324 (-67)	593 556 (+36)	696 725 (-29)	712 630 (+81)	480 447 (+32)	305 184 (+120)	30 0 (+30)	3073 2867 (+205)



* 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.