

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

2021 Corn Grain Top 30 Harvest Report

Delaware Maryland North [DMNO] CHESTERTOWN, MD
Tom Mason, Kent County, MD 21620

All-Season Test	106 - 116 Day CRM B2021DMNO18
Top 30 of 53	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Wheat/Soybean / Liberty, Roundup
SOIL DESCRIPTION:	loamy sand, mod. well drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, very high P, very high K, 5.5 pH, 2.6% OM, 7.6 CEC
PEST MANAGEMENT:	Lexar, Xyway, Ethos Xp,
FERTILITY - Applied N:	72 Fall, 150 Spring
Applied N-P-K (units):	222-105-175
SEEDED - RATE - ROW:	May 26 34.5 /A 30" spacing
HARVESTED - STAND:	Nov 10 32.4 /A

TEST COMMENTS:

Planting conditions were excellent in conventional tillage with soil temperature of 70.3F and furrow moisture of 41.1%. The corn started well and looked good until late July and August. A dry and hot period of six weeks took the top yield off most of the hybrids. Tom Mason noted that even with the extended dry period that yields were better than expected. At harvest, some hybrids with weaker root systems did lodge from the base but generally harvested most ears. Not a lot of moisture separation but stalk quality was very critical. Not the highest yielding plot this year but a lot to learn about some hybrids. 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
MorCORN	MC 4311 ↗	TRE	113	219.6	15.0	5	33.3	1337	1
Seed Consultants	SC1112AM ↗	AM	111	215.4	15.4	1	33.0	1310	2
Local Seed	LC1398 VT2PRIB ↗	VT2P	113	215.1	15.2	0	32.3	1309	3
DeKalb	DKC58-64RIB GC ↗	STX	108	212.4	14.7	22	32.9	1294	4
Augusta	A2362 VT2P ↗	VT2P	112	203.0	15.6	0	32.6	1233	5
Hefty	H6532 VT2PRIB ↗	VT2P	115	199.4	15.5	4	33.6	1212	6
Augusta	A1961 TRE ↗	TRE	111	196.6	14.7	2	32.7	1197	7
Hefty	H6354 ↗	STX	113	195.8	15.7	1	32.0	1189	8
Dyna-Gro	D55VC80 ↗	VT2P	115	193.6	15.2	0	33.1	1178	9
Seed Consultants	SC1122Q ↗	QR	112	193.2	15.2	6	34.0	1175	10
Local Seed	LC1616 TCRIIB ↗	TRE	116	192.9	15.5	0	32.7	1172	11
Pioneer	P1077AM GC ↗	AM,AQ	110	190.9	14.6	6	31.5	1163	12
Local Seed	LC1307 TCRIIB ↗	TRE	113	190.2	14.9	2	32.4	1158	13
DeKalb	DKC62-53RIB GC ↗	VT2P	112	190.1	14.8	6	32.1	1158	14
Hefty	H6244 RIB ↗	STX	112	189.4	15.2	2	32.5	1152	15
Hubner	H4890RC2P ↗	VT2P	117	188.6	16.0	1	31.9	1144	16
Hubner	H4390RC2P ↗	VT2P	109	187.0	14.6	20	32.6	1139	17
Seed Consultants	SC1087AM ↗	AM	108	185.9	14.3	4	32.0	1132	18
Mid-Atlantic	MA8110 ↗	TRE	111	184.7	15.0	7	31.5	1125	19
Augusta	A3363 VT2PDG ↗	VT2PDG	113	184.1	14.9	7	30.7	1121	20
Augusta	A1165 VT2P ↗	VT2P	115	184.1	15.0	14	32.2	1121	21
Pioneer	P0806AM GC ↗	AM	108	183.6	14.7	14	33.3	1118	22
Mid-Atlantic	MA8141 ↗	VT2PDG	114	183.3	15.4	0	33.2	1114	23
Hubner	H13G513 ↗	VT2PDG	113	182.5	14.9	10	33.2	1111	24
Hubner	H4763RC2P ↗	VT2P	115	181.9	15.4	1	32.5	1106	27
Local Seed	LC1506 VT2PRIB ↗	VT2P	115	181.8	14.7	1	32.3	1107	25
Dyna-Gro	D54VC34 ↗	VT2P	114	181.7	15.0	13	31.7	1107	26
Mid-Atlantic	MA8158 ↗	STX	115	181.5	15.8	0	31.7	1102	28
Local Seed	LC1497 DGVT2PRIB ↗	VT2PDG	114	180.8	14.8	6	33.3	1101	29
Great Heart	HT-7425DGVT2P ↗	VT2PDG	114	179.3	15.5	1	33.3	1090	30

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Averages = **181.6** **15.1** **8** **32.4** **1105**

LSD (0.10) = 20.1 0.4 10

LSD (0.25) = 10.5 0.2 5

C.V. = 10.5

Historic yield: 180.37 bu/a, 12 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$6.09

Report Date: 11/12/2021

† 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

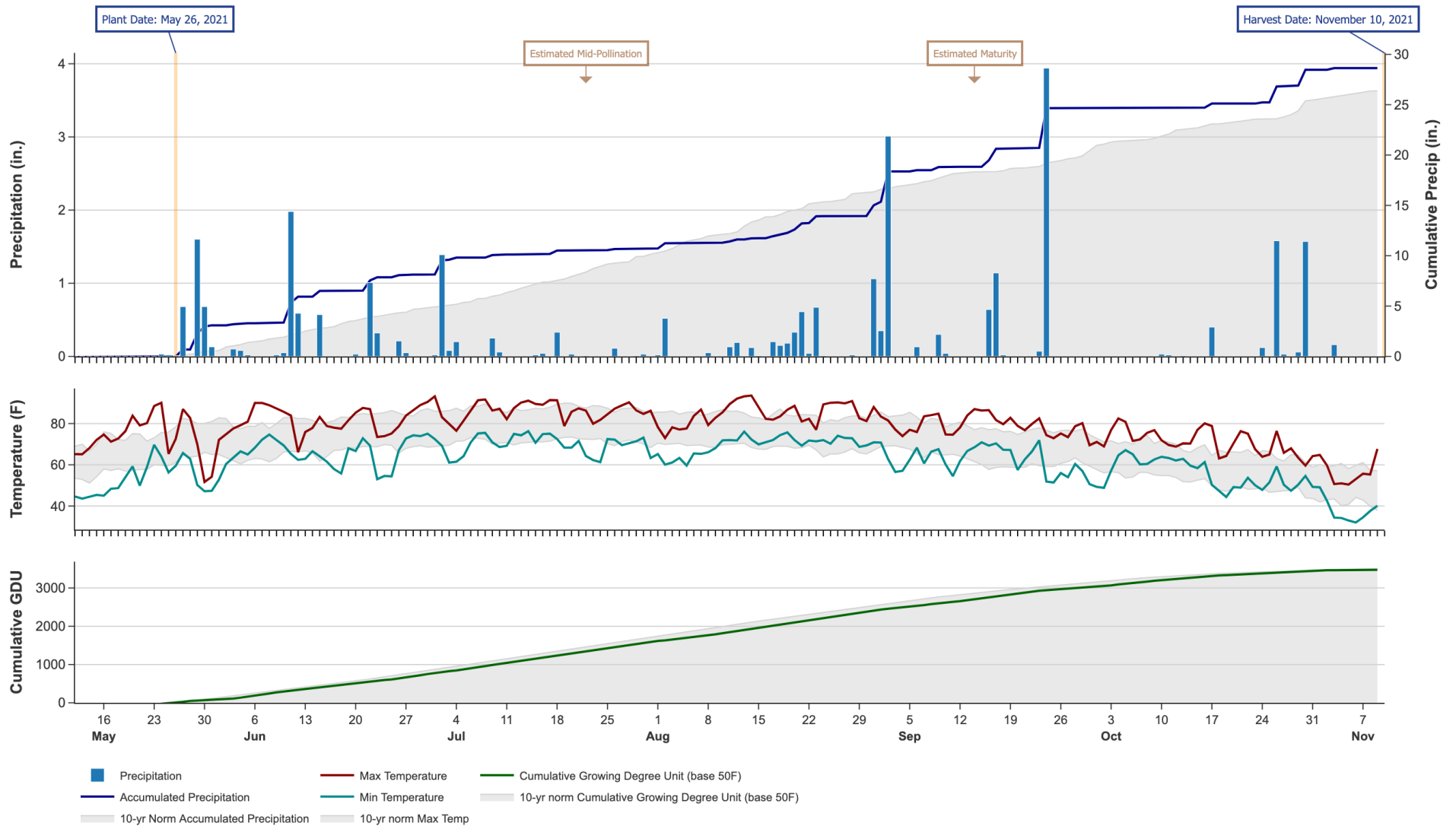
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Weather Conditions Summary at CHESTERTOWN, MD

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) Normal (Diff)	3.1 2.7 (+0.4)	5.0 4.3 (+0.7)	2.6 5.3 (-2.8)	4.3 6.2 (-1.9)	9.6 4.1 (+5.5)	3.8 5.0 (-1.2)	0.2 0.9 (-0.7)	28.7 28.6 (+0.1)
GDU Normal (Diff)	281 339 (-58)	691 724 (-33)	842 885 (-43)	814 813 (0)	623 623 (0)	423 311 (+111)	21 30 (-9)	3695 3728 (-33)



* 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 (53 Total)

Company/Brand	Product/Brand	Technology	RIB	RM	Seed Treat.
Augusta	A1165 VT2P	VT2P	N	115	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
Augusta	A5364-3120-EZ	3120	Y	114	AVC,C5
Augusta	A7162 VT2P	VT2P	N	112	CM,C2
Chemgro	7305RDP	VT2P	Y	113	AC,P2
Chemgro	7505RDP	VT2P	Y	115	AC,P2
Chemgro	7525RDP	VT2P	Y	115	AC,P5
Chemgro	7615RDP	VT2P	Y	116	AC,P2
DeKalb	DKC58-64RIB GC	STX	Y	108	Treated
DeKalb	DKC62-53RIB GC	VT2P	Y	112	Treated
Dyna-Gro	D54VC34	VT2P	N	114	AC,P5V
Dyna-Gro	D55VC80	VT2P	N	115	AC,P5V
Great Heart	HT-7425DGV2P	VT2PDG	Y	114	AC,P5V
Great Heart	HT-7447VT2P	VT2P	Y	114	AC,P5V
Hefty	H5944 RIB	STX	Y	109	HC
Hefty	H6134 RIB	STX	Y	111	HC
Hefty	H6244 RIB	STX	Y	112	HC
Hefty	H6354	STX	N	113	HC
Hefty	H6532 VT2PRIB	VT2P	Y	115	HC
Hefty	H6552	VT2P	N	115	HC
Hubner	H09G056	VT2PDG	Y	109	AC,P5
Hubner	H13G513	VT2PDG	Y	113	AC,P2
Hubner	H4390RC2P	VT2P	Y	109	AC,P2
Hubner	H4763RC2P	VT2P	Y	115	AC,P2
Hubner	H4828RC2P	VT2P	Y	116	AC,P2
Hubner	H4890RC2P	VT2P	Y	117	AC,P5
Local Seed	LC1009 VT2PRIB	VT2P	Y	110	RA
Local Seed	LC1307 TCRIB	TRE	Y	113	RA
Local Seed	LC1398 VT2PRIB	VT2P	Y	113	RA
Local Seed	LC1407 VT2PRIB	VT2P	Y	114	RA
Local Seed	LC1497 DGV2PRIB	VT2PDG	Y	114	RA
Local Seed	LC1506 VT2PRIB	VT2P	Y	115	RA
Local Seed	LC1616 TCRIB	TRE	Y	116	RA
Mid-Atlantic	MA5155	3111	N	115	CM,C2
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
Mid-Atlantic	MA8141	VT2PDG	N	114	AC,P2

Company/Brand	Brand/Product	Technology	RIB	RM	Seed Treat.
Mid-Atlantic	MA8158	STX	Y	115	AC,P2
MorCorn	MC 3952	VT2P	N	109	P1
MorCorn	MC 4255	VT2P	N	112	P1
MorCorn	MC 4311	TRE	N	113	P1
MorCorn	MC 4319	VT2P	N	113	P1
Pioneer	P0806AM GC	AM	Y	108	Lum
Pioneer	P1077AM GC	AM,AQ	Y	110	Lum
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

* 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

3111	Agrisure® Viptera® 3111
3120	Agrisure® 3120 (CB,HX,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	Accelaron® 250
AC,P5	Accelaron® 500
AC,P5V	Accelaron® Poncho 500/Votivo
AVC,C5	Avicta® Complete 500
CM,C2	CruiserMaxx® 250
HC	Hefty Complete
Lum	LumiGEN™ (Corteva Agriscience)
Lum,P1V	LumiGEN™ Poncho 1250/Votivo
P1	Poncho 1250
RA	Radius 500 (Local Seed Co)
Treated	Treated seed, unspecified

* Seed treatments may include unspecified plant health promoting components.