

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

2021 Corn Grain Top 30 Harvest Report

Delaware Maryland North [DMNO] WESTMINSTER, MD
Doug Armacost, Carroll County, MD 21155

All-Season Test	106 - 116 Day CRM B2021DMNO15
Top 30 of 53	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybeans / Glyphosate, Liberty
SOIL DESCRIPTION:	clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, high K, 6.0 pH, 3.2% OM, 7.4 CEC
PEST MANAGEMENT:	Lumax, Atrazine, Ethos Xp, Xyway
FERTILITY - Applied N:	114 Spring, 133 Sidedress
Applied N-P-K (units):	247-147-23
SEEDED - RATE - ROW:	May 17 34.5 /A 30" spacing
HARVESTED - STAND:	Nov 16 30.7 /A

TEST COMMENTS:

At planting the soil temperature was 65.7F and furrow moisture was 39.1%. That was maybe a little wet but stands did turn out uniform. Rainfall for the season was above average and corn did not stress the entire season. Weed control was excellent and disease pressure was light. The overall rating of the plot was 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
Hubner	H4890RC2P ↗	VT2P	117	264.8	17.1	0	29.7	1604	2
MorCorn	MC 4311 ↗	TRE	113	263.5	15.8	2	31.8	1605	1
Augusta	A1961 TRE ↗	TRE	111	260.2	15.8	1	29.8	1585	3
Mid-Atlantic	MA8110 ↗	TRE	111	260.0	16.0	2	31.8	1582	4
Dyna-Gro	D55VC80 ↗	VT2P	115	259.0	16.7	0	33.3	1571	7
Hubner	H4763RC2P ↗	VT2P	115	258.6	16.2	0	30.7	1572	6
Hubner	H09G056 ↗	VT2PDG	109	258.4	15.6	6	30.9	1575	5
Augusta	A3363 VT2PDG ↗	VT2PDG	113	257.8	16.9	1	31.7	1563	8
Hubner	H4828RC2P ↗	VT2P	116	254.8	16.4	1	30.6	1548	9
Local Seed	LC1398 VT2PRIB ↗	VT2P	113	251.4	16.1	0	29.7	1529	10
Augusta	A7162 VT2P ↗	VT2P	112	251.1	16.2	0	32.0	1527	11
Hubner	H13G513 ↗	VT2PDG	113	248.4	15.9	2	28.5	1512	12
Hefty	H6552 ↗	VT2P	115	248.4	17.1	0	31.1	1505	13
Hefty	H6244 RIB ↗	STX	112	247.0	16.6	2	32.9	1499	15
Local Seed	LC1407 VT2PRIB ↗	VT2P	114	246.7	16.3	1	32.5	1500	14
MorCorn	MC 4319 ↗	VT2P	113	245.8	16.4	3	31.1	1493	17
Hefty	H5944 RIB ↗	STX	109	245.1	15.6	1	31.5	1494	16
MorCorn	MC 4255 ↗	VT2P	112	243.9	15.9	0	29.5	1485	18
Local Seed	LC1616 TCRIB ↗	TRE	116	243.6	16.6	0	28.9	1478	20
DeKalb	DKC58-64RIB GC ↗	STX	108	243.3	15.9	1	30.2	1481	19
Augusta	A4463 VT2P ↗	VT2P	113	242.0	15.4	3	30.6	1476	21
Augusta	A1165 VT2P ↗	VT2P	115	241.8	17.2	1	31.6	1464	26
Chemgro	7615RDP ↗	VT2P	116	241.7	16.3	4	29.4	1469	22
Augusta	A2362 VT2P ↗	VT2P	112	240.9	15.9	0	30.1	1466	24
Mid-Atlantic	MA8106 ↗	VT2P	110	240.9	15.7	2	31.6	1468	23
Local Seed	LC1497 DGVT2PRIB ↗	VT2PDG	114	240.5	15.5	0	30.7	1466	25
Hefty	H6354 ↗	STX	113	239.9	15.8	1	30.4	1461	27
Local Seed	LC1009 VT2PRIB ↗	VT2P	110	238.6	15.6	2	30.2	1454	28
Local Seed	LC1506 VT2PRIB ↗	VT2P	115	238.2	15.7	2	29.6	1451	30
Hubner	H4390RC2P ↗	VT2P	109	238.2	15.6	4	32.4	1452	29

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Averages = **240.5** **16.1** **2** **30.7** **1463**

LSD (0.10) = 13.4 0.4 2

LSD (0.25) = 7.0 0.2 1

C.V. = 5.3

Historic yield: 196.07 bu/a, 16 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$6.11

Report Date: 11/19/2021

† 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

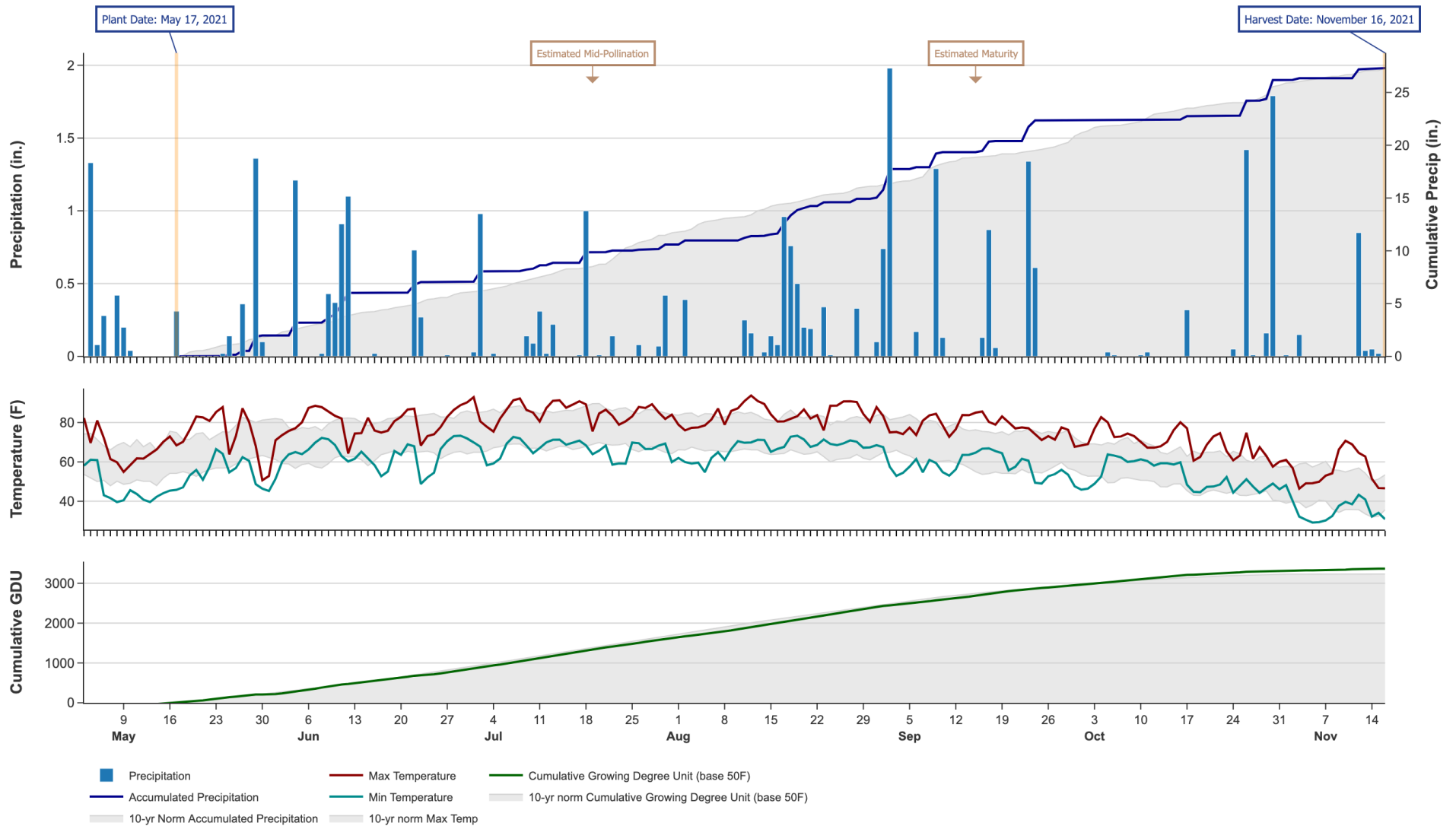
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Weather Conditions Summary at WESTMINSTER, MD

Monthly Total	May*	Jun	Jul	Aug	Sep	Oct	Nov*	Total
Precip (in) Normal (Diff)	4.6 4.3 (+0.4)	5.1 4.2 (+0.9)	3.5 5.7 (-2.1)	4.4 4.4 (0.0)	7.3 4.8 (+2.6)	3.8 4.8 (-1.0)	1.1 1.6 (-0.5)	30.0 29.7 (+0.3)
GDU Normal (Diff)	344 404 (-60)	643 647 (-4)	780 818 (-38)	774 735 (+38)	543 536 (+6)	371 246 (+124)	47 5 (+41)	3502 3394 (+107)



* 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.