

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

2021 Corn Grain Top 30 Harvest Report

Delaware Maryland North [DMNO] MIDDLETOWN, DE
Bill Alfree, New Castle County, DE 19709

All-Season Test	106 - 116 Day CRM B2021DMNO14
Top 30 of 53	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Wheat/Soybean / Glyphosate
SOIL DESCRIPTION:	loamy sand, mod. well drained, non-irrigated
SOIL CONDITION:	Conventional W/O Fall Till, very high P, high K, 6.0 pH, 2.1% OM, 8.1 CEC
PEST MANAGEMENT:	Harness,Princep,Callisto, Xyway Lfr, Ethos Xp
FERTILITY - Applied N:	42 Fall, 97 Spring, 120 Sidedress
Applied N-P-K (units):	259-138-102
SEEDED - RATE - ROW:	May 11 34.5 /A 30" spacing
HARVESTED - STAND:	Oct 12 33.6 /A

TEST COMMENTS:

Planting went well. Soil moisture was 31.6% and temperature was 58.9F. Corn started well, emergence was excellent and early growth was good. Summer was very hot and dry, some early rains helped but in July and early August the rains quit. Some early hybrids showed drought stress and ears were short, longer maturity hybrids went through pollination under stress and some had barren stalks. Hybrids with a deep root system managed to put some good yields up. Disease pressure was high because of the late rains in September. Anthracnose, gray leaf spot, southern and diplopia stalk rot were all present. 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
Seed Consultants	SC1087AM ↗	AM	108	257.4	15.4	6	32.7	1472	1
DeKalb	DKC58-64RIB GC ↗	STX	108	253.7	15.3	9	33.2	1452	2
Hefty	H5944 RIB ↗	STX	109	253.5	15.1	2	34.6	1452	3
Augusta	A7162 VT2P ↗	VT2P	112	252.1	16.0	4	34.4	1438	4
Hubner	H4828RC2P ↗	VT2P	116	249.5	16.7	0	33.0	1419	5
Mid-Atlantic	MA8158 ↗	STX	115	248.5	17.2	1	33.6	1410	7
Local Seed	LC1497 DGVT2PRIB ↗	VT2PDG	114	247.6	15.4	0	34.1	1416	6
Great Heart	HT-7425DGVT2P ↗	VT2PDG	114	246.2	16.2	0	32.9	1403	8
Great Heart	HT-7447VT2P ↗	VT2P	114	245.8	17.3	4	33.7	1394	9
Local Seed	LC1616 TCRIIB ↗	TRE	116	244.4	17.0	0	34.3	1388	12
Pioneer	P0806AM GC ↗	AM	108	243.8	15.9	2	33.4	1391	11
Mid-Atlantic	MA8106 ↗	VT2P	110	243.7	15.4	1	34.7	1394	10
Seed Consultants	SC1122Q ↗	QR	112	243.6	16.3	13	33.9	1388	13
Dyna-Gro	D55VC80 ↗	VT2P	115	242.4	16.3	2	33.6	1381	15
Local Seed	LC1009 VT2PRIB ↗	VT2P	110	241.9	15.3	3	33.6	1384	14
Hubner	H4390RC2P ↗	VT2P	109	241.5	15.4	4	34.0	1381	16
MorCorn	MC 4255 ↗	VT2P	112	241.5	15.7	1	34.1	1379	17
Hefty	H6354 ↗	STX	113	240.3	15.6	3	32.8	1373	18
Hubner	H4890RC2P ↗	VT2P	117	236.1	16.8	5	33.8	1342	19
Hefty	H6552 ↗	VT2P	115	235.5	17.8	0	33.7	1333	21
Chemgro	7525RDP ↗	VT2P	115	235.1	17.1	0	32.4	1335	20
Chemgro	7505RDP ↗	VT2P	115	233.6	16.0	2	32.7	1333	22
Seed Consultants	SC1112AM ↗	AM	111	233.3	16.1	5	34.8	1331	24
Local Seed	LC1407 VT2PRIB ↗	VT2P	114	233.1	15.6	7	33.2	1332	23
DeKalb	DKC62-53RIB GC ↗	VT2P	112	232.7	15.5	2	32.9	1330	25
Local Seed	LC1398 VT2PRIB ↗	VT2P	113	232.3	15.6	0	33.0	1328	26
MorCorn	MC 4311 ↗	TRE	113	232.0	15.8	1	34.1	1325	27
Augusta	A1165 VT2P ↗	VT2P	115	230.5	16.5	1	33.9	1312	29
Hefty	H6532 VT2PRIB ↗	VT2P	115	230.2	17.3	0	33.8	1306	30
Mid-Atlantic	MA8128 ↗	VT2P	112	229.8	15.1	3	33.7	1316	28

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Averages = **227.0** **15.9** **4** **33.6** **1295**

LSD (0.10) = 25.9 0.6 ns

LSD (0.25) = 13.6 0.3 ns

C.V. = 10.8

Historic yield: 201.5 bu/a, 18 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$5.73

Report Date: 10/13/2021

† 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

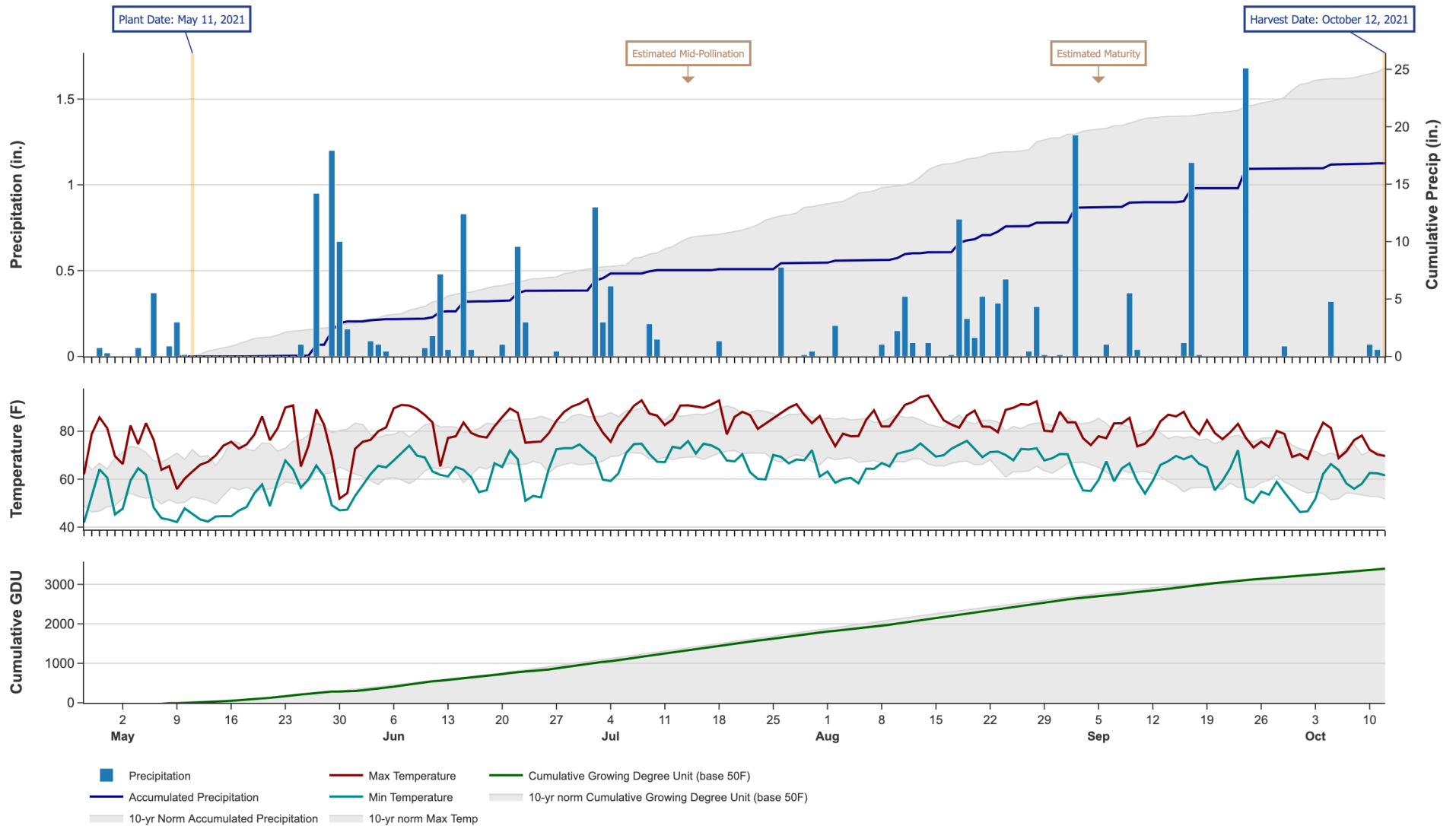
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Weather Conditions Summary at MIDDLETOWN, DE

Monthly Total	Apr*	May	Jun	Jul	Aug	Sep	Oct*	Total
Precip (in) Normal (Diff)	0.1 0.4 (-0.4)	3.7 4.2 (-0.4)	2.7 4.7 (-2.0)	2.4 5.7 (-3.3)	3.5 5.8 (-2.3)	4.7 4.2 (+0.6)	0.4 1.9 (-1.5)	17.6 26.9 (-9.3)
GDU Normal (Diff)	68 31 (+36)	407 445 (-38)	676 685 (-9)	823 854 (-31)	806 777 (+28)	609 590 (+18)	195 148 (+46)	3584 3533 (+50)



* 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.