

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

2020 Corn Grain Top 30 Harvest Report

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

All-Season Test	106 - 116 Day CRM B2020DMNO17
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Glyphosate
SOIL DESCRIPTION:	silty clay loam, mod. well drained, non-irrigated
SOIL CONDITION:	No-Till, very high P, very high K, 5.6 pH, 2.9% OM, 8.2 CEC
PEST MANAGEMENT:	Acuron, Atrazine, Gramoxone, Capture,
FERTILITY - Applied N:	70 Spring, 135 Sidedress
Applied N-P-K (units):	205-91-110
SEEDED - RATE - ROW:	May 29 34.5 /A 30" spacing
HARVESTED - STAND:	Nov 17 33.5 /A

TEST COMMENTS:

Planting was later in May but corn emergence and stands were excellent. Most of the growing season had sufficient rainfall amounts. Corn stressed only slightly in late July, early August. At harvest, some hybrids did lodge due to strong winds just days before. Disease was the main problem: gray leaf spot and anthracnose. Most hybrids did break at knee level and the majority were able to go through the combine. 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
HUBNER	H09G056	VT2PDG	109	251.7	17.8	3	33.8	1176	1
MID-ATLANTIC	MA8106	VT2P	109	248.5	16.4	3	32.8	1169	2
HUBNER	H4763RC2P	VT2P,B	115	246.5	18.6	8	34.6	1146	4
LOCAL SEED	LC1398 VT2PRIB	VT2P,B	113	245.8	17.7	19	33.7	1149	3
PIONEER	P1077AM GC	AM,AQ,B	110	240.8	17.1	8	34.1	1129	5
DYNA-GRO	D55VC80	VT2P	115	240.7	19.8	0	34.2	1112	10
AUGUSTA	7162	VT2P	112	239.9	19.0	4	34.3	1113	9
HUBNER	H4828RC2P	VT2P	116	239.8	18.8	2	34.2	1114	7
MORCORN	MC 4319	VT2P	113	238.8	19.0	7	34.0	1108	11
CHEMGRO	7305RDP	VT2P,B	113	238.0	17.2	14	32.5	1115	6
LOCAL SEED	LC1009 VT2PRIB	VT2P,B	110	237.2	16.7	12	34.7	1114	8
SEED CONSULTANTS	SCS1121AM	AM,B	112	236.2	18.4	13	31.9	1100	12
MID-ATLANTIC	MA8091VT2P	VT2P	109	236.2	19.2	9	32.7	1095	13
HUBNER	H4890RC2P	VT2P,B	117	234.7	20.1	3	33.9	1083	16
MID-ATLANTIC	MA8117	TRE	111	233.1	17.2	2	31.6	1092	14
DEKALB	DKC59-82RIB GC	VT2P,B	109	233.0	17.4	12	31.6	1090	15
MID-ATLANTIC	MA8141DGV2P	VT2PDG	114	232.8	19.8	0	33.0	1075	19
LOCAL SEED	LC1577 VT2PRIB	VT2P,B	115	232.3	18.3	6	34.5	1082	17
HUBNER	H4692RC2P	VT2P,B	112	229.6	17.1	15	34.3	1076	18
DEKALB	DKC62-53RIB GC	VT2P,B	112	228.9	17.6	8	34.2	1070	20
MORCORN	MC 4670	TRE	116	226.5	18.9	3	34.2	1051	23
LOCAL SEED	LC0708 VT2PRIB	VT2P,B	107	224.9	16.4	6	32.8	1058	21
AUGUSTA	4463	VT2P	112	224.9	17.6	26	33.5	1051	24
SEED CONSULTANTS	SCS1087AM	AM,B	108	223.5	16.2	7	33.2	1053	22
AUGUSTA	1165	VT2P	115	222.6	19.6	1	32.6	1030	26
HUBNER	H4390RC2P	VT2P,B	108	221.7	17.4	15	31.8	1038	25
CHEMGRO	7505RDP	VT2P,B	115	220.9	19.7	1	33.3	1021	29
NK BRAND	NK1082-5222A-EZR	5222A,B	110	220.1	17.7	14	34.5	1029	27
AXIS	62A28 GC	VT2P,B	112	219.1	18.3	30	33.0	1020	30
CHEMGRO	7095RDP	VT2P,B	110	217.6	16.6	5	32.1	1023	28

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Averages = **222.6** **18.3** **13** **33.5** **1037**

LSD (0.10) = 11.0 0.6 12

LSD (0.25) = 5.8 0.3 6

C.V. = 4.7

Historic yield: 195.9 bu/a, 15 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$4.74

Report Date: 11/18/2020

Additional reports available at www.firstseedtests.com

† 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

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2020 Corn - Delaware Maryland North [DMNO]

All-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	RM	Seed Treat.
AUGUSTA	1165	VT2P	115	CM,C2
AUGUSTA	4463	VT2P	112	CM,C1
AUGUSTA	7162	VT2P	112	CM,C1
AUGUSTA	7168	VT2P	116	AC,P1V
AXIS	62A28 GC	VT2P,B	112	AC
CHEMGRO	6819D5Z	5222,B	108	CM,C5,Vi
CHEMGRO	7095RDP	VT2P,B	110	AC,P2
CHEMGRO	7305RDP	VT2P,B	113	AC,P2
CHEMGRO	7505RDP	VT2P,B	115	AC,P2
DEKALB	DKC59-82RIB GC	VT2P,B	109	NA
DEKALB	DKC62-53RIB GC	VT2P,B	112	NA
DYNA-GRO	D52VC63	VT2P	112	AC,P5V,EDC-B
DYNA-GRO	D55VC80	VT2P	115	AC,P5V,EDC-B
GREAT HEART	HT-7425DGVT2P	VT2PDG,B	114	NA
GREAT HEART	HT-7462VT2P	VT2P,B	114	NA
HUBNER	H09G056	VT2PDG	109	AC,P5V
HUBNER	H4390RC2P	VT2P,B	108	AC,P5V
HUBNER	H4692RC2P	VT2P,B	112	AC,P5V
HUBNER	H4763RC2P	VT2P,B	115	AC,P5V
HUBNER	H4828RC2P	VT2P	116	AC,P5V
HUBNER	H4890RC2P	VT2P,B	117	AC,P5V
LOCAL SEED	LC0708 VT2PRIB	VT2P,B	107	RA
LOCAL SEED	LC1009 VT2PRIB	VT2P,B	110	RA
LOCAL SEED	LC1289 VT2PRIB	VT2P,B	112	RA
LOCAL SEED	LC1398 VT2PRIB	VT2P,B	113	RA
LOCAL SEED	LC1488 VT2PRIB	VT2P,B	114	RA
LOCAL SEED	LC1497 DGVT2P	VT2PDG,B	114	RA
LOCAL SEED	LC1577 VT2PRIB	VT2P,B	115	RA
MID-ATLANTIC	MA5155	3111	115	NA
MID-ATLANTIC	MA8091VT2P	VT2P	109	NA
MID-ATLANTIC	MA8106	VT2P	109	NA
MID-ATLANTIC	MA8117	TRE	111	NA
MID-ATLANTIC	MA8128VT2P	VT2P	112	NA
MID-ATLANTIC	MA8141DGVT2P	VT2PDG	114	NA
MID-ATLANTIC	MA8158	STX	1115	NA
MORCORN	MC 3952	VT2P	109	AC,P1

Company/Brand	Brand/Product	Technology	RM	Seed Treat.
MORCORN	MC 4255	VT2P	112	AC,P1
MORCORN	MC 4319	VT2P	113	AC,P1
MORCORN	MC 4670	TRE	116	AC,P5
NK BRAND	NK1082-5222A-EZR	5222A,B	110	AVC,C5,Vi
NK BRAND	NK1239-5122-EZR	5122,B	112	AVC,C5,Vi
NK BRAND	NK1460-5222-EZR	5222,B	114	AVC,C5,Vi
PIONEER	P1077AM GC	AM,AQ,B	110	NA
SEED CONSULTANTS	SCS1069AM	AM,B	106	NA
SEED CONSULTANTS	SCS1087AM	AM,B	108	NA
SEED CONSULTANTS	SCS1111Q	QR,B	111	NA
SEED CONSULTANTS	SCS1121AM	AM,B	112	NA
SEED CONSULTANTS	SCS1141AM	AM,B	114	NA

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
5122	Agrisure® Duracade™ 5122
5222	Agrisure® Duracade™ 5222
5222A	Agrisure® Duracade™ Artesian® 5222
AM	Optimum® AcreMax®
AQ	Optimum® AQUAmax®
B	Blend, Refuge in a Bag (RIB) or EZ-Refuge
QR	Qrome™
STX	SmartStax®
TRE	Genuity® Trecepta™
VT2P	Genuity® VT Double PRO®
VT2PDG	Genuity® VT Double PRO® DroughtGard®

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

Corn Seed Treatments**

NA	Not Available
AC	Acceleron®, unspecified
AC,P1	Acceleron 1250
AC,P1V	Acceleron Poncho 1250/Votivo
AC,P2	Acceleron, Poncho 250
AC,P5	Acceleron, Poncho 500
AC,P5V	Acceleron, Poncho 500/Votivo
AC,P5V,EDC-B	Acceleron, Basic Poncho 500/Votivo with Enhanced Disease Control
AVC,C5,Vi	Avicta Complete 500, Vibrance
CM,C1	CruiserMaxx 1250
CM,C2	CruiserMaxx 250
CM,C5,Vi	CruiserMaxx 500 with Vibrance
RA	Radius 500 (Local Seed Co)

** Seed treatments may include unspecified plant health promoting components.