

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

2020 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 B2020DMNO15
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Glyphosate
SOIL DESCRIPTION:	sandy loam, mod. well drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, very high P, high K, 5.4 pH, 2.5% OM, 7.2 CEC
PEST MANAGEMENT:	Acuron, Princep, Capture, Headline Amp
FERTILITY - Applied N:	200 Spring, 111 Sidedress
Applied N-P-K (units):	311-135-105
SEEDED - RATE - ROW:	May 8 34.5 /A 30" spacing
HARVESTED - STAND:	Oct 14 34.6 /A

TEST COMMENTS:

Excellent emergence and start for this plot. Rains came throughout the season and may have been excessive with heavy rains in July and August leaving the field saturated. Lodging scores were about half from root lodging: not corn borer injury, but from weak roots in a high yield environment with wet, light soils. There was some stalk rot evident as well which caused other lodging problems, mainly diplodia and anthracnose. 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
GREAT HEART	HT-7462VT2P	VT2PB	114	288.3	23.9	0	33.0	1207	3
AUGUSTA	7162	VT2P	112	284.1	20.4	2	35.2	1215	1
HUBNER	H09G056	VT2PDG	109	283.7	20.4	0	35.0	1213	2
HUBNER	H4890RC2P	VT2P,B	117	278.3	22.0	0	34.6	1179	5
CHEMGRO	7305RDP	VT2P,B	113	276.6	19.9	7	34.0	1186	4
DYNA-GRO	D55VC80	VT2P	115	276.3	21.1	4	35.4	1177	6
MORCORN	MC 4255	VT2P	112	274.0	20.5	3	34.9	1171	9
DEKALB	DKC62-53RIB GC	VT2P,B	112	272.9	19.1	4	35.3	1175	7
MID-ATLANTIC	MA8117	TRE	111	272.5	19.3	3	35.0	1172	8
MID-ATLANTIC	MA8128VT2P	VT2P	112	271.8	19.9	7	34.3	1165	10
MORCORN	MC 4319	VT2P	113	269.4	21.6	3	35.0	1144	11
HUBNER	H4828RC2P	VT2P	116	267.3	21.5	0	35.6	1135	12
AUGUSTA	7168	VT2P	116	264.4	24.4	0	35.5	1104	19
MID-ATLANTIC	MA8158	STX	1115	262.8	21.0	3	34.3	1120	13
DYNA-GRO	D52VC63	VT2P	112	261.0	20.5	17	34.3	1115	14
GREAT HEART	HT-7425DGVT2P	VT2PDG,B	114	260.6	21.8	4	33.4	1105	18
MID-ATLANTIC	MA8141DGVT2P	VT2PDG	114	260.3	22.0	1	33.7	1102	20
DEKALB	DKC59-82RIB GC	VT2P,B	109	259.9	19.8	1	34.3	1115	15
HUBNER	H4390RC2P	VT2P,B	108	259.5	20.3	3	34.2	1110	16
MID-ATLANTIC	MA8091VT2P	VT2P	109	257.8	20.7	3	35.2	1100	22
NK BRAND	NK1082-5222A-EZR	5222A,B	110	256.9	19.8	6	34.9	1102	21
SEED CONSULTANTS	SCS1087AM	AM,B	108	256.0	18.0	14	32.9	1110	17
LOCAL SEED	LC1009 VT2PRIB	VT2P,B	110	253.9	18.7	3	34.6	1096	23
CHEMGRO	7505RDP	VT2P,B	115	253.8	20.6	9	33.3	1084	24
HUBNER	H4763RC2P	VT2P,B	115	253.4	20.9	9	36.1	1080	27
CHEMGRO	7095RDP	VT2P,B	110	251.3	19.1	0	34.0	1082	25
MID-ATLANTIC	MA8106	VT2P	109	251.2	19.2	3	34.1	1081	26
LOCAL SEED	LC1488 VT2PRIB	VT2P,B	114	250.4	20.0	2	34.9	1073	28
MORCORN	MC 4670	TRE	116	246.3	20.9	11	35.1	1050	29
LOCAL SEED	LC1289 VT2PRIB	VT2P,B	112	244.2	20.6	6	34.3	1043	30

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Averages = **246.6** **20.4** **9** **34.6** **1054**

LSD (0.10) = 28.1 0.6 10

LSD (0.25) = 14.8 0.3 5

C.V. = 10.8

Historic yield: 201.0 bu/a, 15 yr(s)

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$4.41

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.