

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

2019 Corn Grain Top 30 Harvest Report

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

Early-Season Test	98 - 107 Day CRM B2019DMNO14a
Top 30 of 18	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Roundup
SOIL DESCRIPTION:	loamy sand, mod. well drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, very high P, very high K, 5.1 pH, 2.3% OM, 9.8 CEC
PEST MANAGEMENT:	Acuron, Princep, Headline Amp, Grizzly
FERTILITY - Applied N:	126 Spring, 97 Sidedress, 126
Applied N-P-K (units):	235-138-105
SEEDING - RATE - ROW:	May 4 34.5 /A 30" spacing
HARVESTED - STAND:	Sep 24 32.6 /A

TEST COMMENTS:

There was plentiful rain through most of summer, and only dry period was September. Stalk disease was evident at harvest; Diplodia was the primary disease. Overall rating for the plot was 7 out of 10 (10=best). Due to the high variability of yields in the full season test, it was rejected.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
SEED CONSULTANTS	SCS 1069YHR	OI	106	210.3	13.2	7	33.8	961	1
HUBNER	H4257RC2P	VT2P,B	104	204.2	13.4	3	32.9	933	2
LOCAL SEED CO	LC0057 SXXRIB	STX,B	100	201.3	12.1	2	31.2	920	3
LOCAL SEED CO	LCX07-90	None	107	198.1	13.6	3	32.4	905	5
AUGUSTA	A4559	3010	107	195.5	14.6	2	31.5	893	6
MID-ATLANTIC	MA8017VT2P	VT2P	101	186.9	12.4	2	31.8	854	7
AUGUSTA	A4054	3010	104	185.9	12.4	7	30.6	850	8
MID-ATLANTIC	MA8034VT2P	VT2P	103	183.2	11.9	9	31.7	837	9
MID-ATLANTIC	MA8026VT2P	VT2P	102	180.6	12.3	6	32.8	825	10
NK BRAND	NK0472-3110	3110	104	179.6	12.1	6	33.7	821	11
LOCAL SEED CO	LC0297 SSX	STX	102	178.9	12.2	5	34.1	818	12
MID-ATLANTIC	MA8056VT2P	VT2P	105	173.7	12.0	3	32.4	794	13
HUBNER	H04G287	VT2P,DG,B	104	171.3	11.9	11	33.8	783	14
NK BRAND	NK0440-3122-EZR	3122,B	104	157.4	12.4	15	33.3	719	15
LOCAL SEED CO	LC0657 SXXRIB	STX,B	106	156.5	12.7	3	32.1	715	16
AUGUSTA	A4958	3120,B	107	148.3	11.6	13	33.8	678	17
LOCAL SEED CO	ZS0398 3110	3110	103	143.2	11.6	6	33.0	654	18
MID-ATLANTIC	MA8074VT2P CK	VT2P	107	198.8	12.4	5	32.0	909	4
				Averages =	180.8	12.5	6	32.6	826
				LSD (0.10) =	20.0	1.0	ns		
				LSD (0.25) =	10.4	0.5	ns		
				C.V. =	10.3				

Robin Kauffman

Rob Kauffman

rob.kauffman@firstseedtests.info, (717) 413-0763

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$4.57

Report Date: 10/08/2019

Revised: 11/11/2019 (DATA change, approve full-season test)

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

©2019, All rights reserved by Elite Field Genetics, LLC

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

2019 Corn Grain Top 30 Harvest Report

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

Full-Season Test	108 - 118 Day CRM B2019DMNO14b
Top 30 of 48	For Gross Income (Sorted by Yield) Average of (3) Replications
PREV. CROP/HERB:	Soybean / Roundup
SOIL DESCRIPTION:	loamy sand, mod. well drained, non-irrigated
SOIL CONDITION:	Minimum W/O Fall Till, very high P, very high K, 5.1 pH, 2.3% OM, 9.8 CEC
PEST MANAGEMENT:	Acuron, Princep, Headline Amp, Grizzly
FERTILITY - Applied N:	126 Spring, 97 Sidedress, 126
Applied N-P-K (units):	235-138-105
SEEDED - RATE - ROW:	May 4 34.5 /A 30" spacing
HARVESTED - STAND:	Sep 24 34.0 /A

TEST COMMENTS:

There was plentiful rain through most of summer, and only dry period was September. Stalk disease was evident at harvest; Diplodia was the primary disease. Overall rating for the plot was 7 out of 10 (10=best). Due to the high variability of yields in the full season test, it was rejected.

Company/Brand	Product/Brand	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
LOCAL SEED CO	LC1577 VT2PRIB	VT2P,B	115	249.5	15.5	1	32.6	1137	1
MID-ATLANTIC	MA8091VT2P	VT2P	109	248.0	14.3	4	34.1	1133	2
SEED CONSULTANTS	SCS 1087YHR	OI	108	243.8	12.6	2	34.8	1114	3
LOCAL SEED CO	LC1697 SSX	STX	116	243.2	16.3	1	34.8	1104	4
AUGUSTA	A5065	3111	115	237.1	16.0	12	34.3	1078	5
AUGUSTA	A1165	VT2P	115	234.3	17.1	2	33.0	1058	7
SEED CONSULTANTS	SCS 1139AM	AM,B	113	232.4	13.9	3	34.4	1062	6
CHEMGRO	7095RDP	VT2P,B	110	227.0	13.3	0	33.7	1037	8
HUBNER	H4390RC2P	VT2P,B	108	226.6	12.9	4	34.3	1036	9
DYNA-GRO	D52VC63	VT2P	112	226.4	13.1	4	32.3	1035	10
DYNA-GRO	D55VC80	VT2P	115	225.5	14.9	2	35.1	1031	11
HUBNER	H4763RC2P	STX,B	115	225.4	13.5	6	33.0	1030	12
HUBNER	H08G394	VT2P,DG,B	108	224.0	14.0	2	32.8	1024	13
CHEMGRO	7145RDP	VT2P,B	111	223.8	13.7	2	34.0	1023	14
MID-ATLANTIC	MA8163VT2P	VT2P	116	223.3	14.7	2	34.2	1020	15
SEED CONSULTANTS	SCS 1158YHR	OI,B	115	219.5	14.8	4	33.5	1003	16
AUGUSTA	A4565	3220	115	214.8	16.4	8	35.3	974	17
SEED CONSULTANTS	SC-EX115YHR	OI	117	213.1	14.8	6	33.8	974	18
HUBNER	H4692RC2P	VT2P,B	112	209.8	12.2	3	34.2	959	20
SEED CONSULTANTS	SC-EX110YHR	OI	108	209.2	12.5	8	33.8	956	21
LOCAL SEED CO	LC0877 VT2PRIB	VT2P,B	108	208.1	11.9	6	33.7	951	22
ARMOR	1227PRO2	VT2P	112	206.9	13.3	4	34.0	946	23
LOCAL SEED CO	LC1289 VT2PRIB	VT2P,B	112	205.9	13.4	6	33.6	941	24
CHEMGRO	7505RDP	VT2P	115	202.2	13.6	9	35.0	924	25
NK BRAND	NK1205-3120-EZR	3120,B	112	201.9	12.4	6	34.8	923	26
AUGUSTA	A4463	VT2P	113	200.5	12.3	5	35.5	916	27
ARMOR	1299PRO2	VT2P	112	199.6	12.1	6	33.7	912	28
LOCAL SEED CO	LC0978 VT2PRIB	VT2P,B	109	199.1	11.6	16	34.5	910	29
MID-ATLANTIC	MA5096	3330,B	109	198.0	13.5	10	34.6	905	30
MID-ATLANTIC	MA8104SS	STX	110	196.1	12.1	7	34.7	896	31
MID-ATLANTIC	MA8074VT2P CK	VT2P	107	210.7	11.9	7	33.7	963	19

Robin Kauffman

Rob Kauffman

rob.kauffman@firstseedtests.info, (717) 413-0763

Averages =	202.7	13.4	6	34.0	925
LSD (0.10) =	35.5	1.3	ns		
LSD (0.25) =	18.6	0.7	ns		
C.V. =	16.6				

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$4.57

Report Date: 10/08/2019

Revised: 11/11/2019 (DATA change, approve full-season test)

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

©2019, All rights reserved by Elite Field Genetics, LLC

2019 Corn - Delaware Maryland North [DMNO]

Early-Season Test Products (18 Total)

Company/Brand	Product/Brand	Technology	RM
AUGUSTA	A4054	3010	104
AUGUSTA	A4559	3010	107
AUGUSTA	A4958	3120,B	107
HUBNER	H04G287	VT2P,DG,B	104
HUBNER	H4257RC2P	VT2P,B	104
LOCAL SEED CO	LC0057 SXXRIB	STX,B	100
LOCAL SEED CO	LC0297 SSX	STX	102
LOCAL SEED CO	LC0657 SXXRIB	STX,B	106
LOCAL SEED CO	LCX07-90	None	107
LOCAL SEED CO	ZS0398 3110	3110	103
MID-ATLANTIC	MA8017VT2P	VT2P	101
MID-ATLANTIC	MA8026VT2P	VT2P	102
MID-ATLANTIC	MA8034VT2P	VT2P	103
MID-ATLANTIC	MA8056VT2P	VT2P	105
MID-ATLANTIC	MA8074VT2P CK	VT2P	107
NK BRAND	NK0440-3122-EZR	3122,B	104
NK BRAND	NK0472-3110	3110	104
SEED CONSULTANTS	SCS 1069YHR	OI	106

2019 Corn - Delaware Maryland North [DMNO]



Full-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technology	RM
ARMOR	1118PRO2	VT2P	111
ARMOR	1227PRO2	VT2P	112
ARMOR	1299PRO2	VT2P	112
ARMOR	1447PRO2	VT2P	114
AUGUSTA	A1165	VT2P	115
AUGUSTA	A4463	VT2P	113
AUGUSTA	A4565	3220	115
AUGUSTA	A4760	VT2P	109
AUGUSTA	A5065	3111	115
CHEMGRO	7095RDP	VT2P,B	110
CHEMGRO	7145RDP	VT2P,B	111
CHEMGRO	7305RDP	VT2P	113
CHEMGRO	7505RDP	VT2P	115
DEKALB	DKC62-53RIB GC	VT2P,B	112
DYNA-GRO	D52VC63	VT2P	112
DYNA-GRO	D55VC80	VT2P	115
HUBNER	H08G394	VT2P,DG,B	108
HUBNER	H4390RC2P	VT2P,B	108
HUBNER	H4692RC2P	VT2P,B	112
HUBNER	H4763RC2P	STX,B	115
HUBNER	H4846RC2P	VT2P,B	118
HUBNER	H4890RC2P	VT2P,B	117
LOCAL SEED CO	LC0877 VT2PRIB	VT2P,B	108
LOCAL SEED CO	LC0978 VT2PRIB	VT2P,B	109
LOCAL SEED CO	LC1289 VT2PRIB	VT2P,B	112
LOCAL SEED CO	LC1488 VT2PRIB	VT2P,B	114
LOCAL SEED CO	LC1577 VT2PRIB	VT2P,B	115
LOCAL SEED CO	LC1697 SSX	STX	116
LOCAL SEED CO	LCX13-95 DGV2P	VT2P,DG	113
MID-ATLANTIC	MA5096	3330,B	109
MID-ATLANTIC	MA8074VT2P CK	VT2P	107
MID-ATLANTIC	MA8091VT2P	VT2P	109
MID-ATLANTIC	MA8104SS	STX	110
MID-ATLANTIC	MA8128VT2P	VT2P	112
MID-ATLANTIC	MA8141DGV2P	VT2P,DG	114
MID-ATLANTIC	MA8163VT2P	VT2P	116

Company/Brand	Brand/Product	Technology	RM
NK BRAND	NK0886-3120-EZR	3120,B	108
NK BRAND	NK1205-3120-EZR	3120,B	112
NK BRAND	NK1573-3000GT	3000GT	115
NK BRAND	NK1808-3111	3111	118
PIONEER	P1197AM GC	AM,B	111
SEED CONSULTANTS	SC-EX110YHR	OI	108
SEED CONSULTANTS	SC-EX115YHR	OI	117
SEED CONSULTANTS	SCS 1087YHR	OI	108
SEED CONSULTANTS	SCS 1105AM	AM,B	109
SEED CONSULTANTS	SCS 1139AM	AM,B	113
SEED CONSULTANTS	SCS 1158YHR	OI,B	115
SEED CONSULTANTS	SCS 1188AM	AM,B	118

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*

3010	Agrisure® 3010 (CB,LL,GT)	AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
3011,A	Agrisure® Artesian® (CB,RW,LL,GT)	AQ	Optimum® AQUAMax®	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	B	Refuge blend product	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	CB	Agrisure® Corn Borer	PC	PowerCore™ (HX, VT2P)
3120	Agrisure® 3120 (CB,HX,LL,GT)	DG	Genuity® DroughtGard®	RR2	Roundup Ready® 2 Corn
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)	RW	Agrisure® Rootworm
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	GT	Agrisure® GT	STX	SmartStax® (VT3P,HXT,RR2,LL)
3330	Agrisure® Viptera® 3330 (Vip,CB,HX,LL,GT)	HX	Herculex® 1, contains LL	TRE	Genuity® Trecepta™
A	Agrisure® Artesian®	HXRW	Herculex® Rootworm, contains LL	VT2P	Genuity® VT Double PRO®
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	HXT	Herculex® Xtra (HX,HXRW,LL)	VT3P	Genuity® VT Triple PRO®
AMT	Optimum® AcreMax®TRIssect (HX,RW,LL,RR2)	LL	LibertyLink®	YGCB	YieldGard® Corn Borer
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	None	conventional corn		

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