

2018 Corn Grain Top 30 Harvest Report

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



Test by: Mid-Atlantic Independent Tech. Svcs., Mount Joy, PA

PREV. CROP/HERB: Soybean / Roundup, Envive, Raptor
SOIL DESCRIPTION: Sandy clay loam, moderately drained, non-irrigated
SOIL CONDITION: No-till, high P, very high K, 6.2 pH, 3.1% OM, 7.8 CEC
PEST MANAGEMENT: Acuron, atrazine, Gramoxone, Mustang Max, Capture, Capreno, atrazine
FERTILITY - Applied N: 62 Spring, 138 Planter
Applied N-P-K (units): 200-105-83
SEEDING - RATE - ROW: May 26 34,000 /A 30" spacing
HARVESTED - STAND: Oct 23 31,200 /A

All-Season Test
105 - 115 Day CRM
B2018DMNO17

Top 30 of 48

For Gross Income (Sorted by Yield)
Average of (3) Replications

Company/Brand	Product/Brand†	Technol.†	RM	Yield Bu/A	Moisture %	Lodging %	Stand (x 1000)	Gross Income \$/Acre	Rank
Armor	0303Pro2	VT2P	103	202.0	16.6	3	32.3	790	1
Mid-Atlantic	MA8163SS	STX	116	200.1	15.8	6	31.8	786	2
Hubner	H4563RC2P	VT2P,B	111	200.0	16.5	6	32.0	783	3
Armor	1227Pro2	VT2P	112	199.6	16.4	4	32.1	781	4
Chemgro	7095RDP	VT2P	110	196.8	16.3	4	31.8	771	5
NK Brand	NK1284-3220-EZR	3220,B	112	195.6	16.3	4	29.7	766	6
Mid-Atlantic	MA8132VT2P	VT2P	113	193.9	16.5	6	30.6	759	7
Seed Consultants	SC 10AGT59	3010	105	193.8	17.3	3	32.3	754	10
Great Heart	HT-7486SSRIB	STX,B	114	193.7	17.5	5	31.6	753	11
Mid-Atlantic	MA8107VT2P	VT2P	110	193.0	16.1	3	29.2	757	8
Doebler	RPM 4919AM	AM	109	192.8	16.3	2	31.9	755	9
Hubner	H6867RCSS	STX,B	116	192.2	17.0	6	31.6	750	12
Dyna-Gro	D52SS63	STX	112	191.9	17.0	4	32.3	748	13
Augusta	A4858GT3010	3010	108	191.2	16.8	3	30.5	747	14
Chemgro	7185RDP	VT2P,B	111	189.9	16.4	3	30.5	743	15
Augusta	A4463VT2Pro	VT2P	112	188.9	16.7	6	30.7	738	16
Augusta	A4465GT3111	3111	114	188.4	17.1	4	31.0	734	18
Augusta	A4860GT3220A	3220,A	110	187.4	16.0	3	31.5	736	17
Doebler	RPM 3518AM	AM,B	95	187.4	18.3	4	32.4	725	21
Seed Consultants	SCS 1139AM	AM,B	113	185.2	15.7	5	30.8	728	19
Dekalb	DKC64-87RIB GC	STX,B	114	185.2	16.0	3	32.0	727	20
Armor	1447Pro2	VT2P	114	183.5	16.1	13	31.4	720	23
Augusta	A1564GT3000	3000GT	114	183.1	15.4	6	31.0	721	22
Great Heart	HT-7302VT2PRIB	VT2P,B	113	182.3	15.2	3	32.9	719	24
Hubner	H4663RC2P	VT2P,B	113	182.3	16.7	4	32.3	712	25
Local Seed Co.	LC1487	None	114	182.2	17.3	3	29.9	709	28
Hubner	H04G287	VT2P,DG,B	104	181.9	16.6	4	31.8	711	26
Armor	0887Pro2	VT2P	108	180.9	16.0	15	30.5	710	27
Mid-Atlantic	MA8074VT2P	VT2P	107	180.6	17.3	6	31.0	703	30
Doebler	RPM 5518AM	AM,B	115	180.5	16.5	11	31.9	706	29

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Averages = **180.9** **16.4** **5** **31.2** **708**

LSD (0.10) = 16.4 1.4 5

LSD (0.25) = 8.6 0.7 2

C.V. = 8.6 Prev. years average yield, 194.2 bu/a, 13 yrs

Yield & Income Factors: Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.95; non-GMO = \$3.95

Test Comments: Late planted and wet for most of the summer. Corn was standing nicely with only tops blowing out at harvest. Heat units were close to normal but late planting and cloudy wet days did hurt yield. Overall rating of the plot is 8 out of 10. (10=best)

† 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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Report Date: 10/25/2018 Revised:

2018 Corn Grain - Delaware Maryland North [DMNO]



All-Season Test Products (48 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Armor	0303Pro2	VT2P	AC,P5V	103	Seed Consultants SCS	1125YHR	OI	MQ,P1V	112
Armor	0887Pro2	VT2P	AC,P5V	108	Seed Consultants SCS	1139AM	AM,B	MQ,P1V,R	113
Armor	1227Pro2	VT2P	AC,P5V	112	Seed Consultants SCS	1158YHR	OI	MQ,P1V,R	115
Armor	1447Pro2	VT2P	AC,P2	114					
Armor	1667SS	STX	AC,P2	116					
Armor	X8111Pro2	VT2P	AC,P5V	111					
Augusta	A1165VT2ProRIB	VT2P,B	AC,P1V	115					
Augusta	A1564GT3000	3000GT	CM,C2	114					
Augusta	A4463VT2Pro	VT2P	AC,P5V	112					
Augusta	A4465GT3111	3111	AVC,C5	114					
Augusta	A4858GT3010	3010	CM,C2	108					
Augusta	A4860GT3220A	3220,A	CM,C2	110					
Augusta	A5065GT3111	3111	CM,C1	115					
Chemgro	7095RDP	VT2P	AC,P2	110					
Chemgro	7185RDP	VT2P,B	AC,P2	111					
Chemgro	7275RDP	VT2P,DG,B	AC,P2	112					
Dekalb	DKC64-87RIB GC	STX,B	AC,P5V	114					
Doebblers	RPM 3518AM	AM,B	CM,C2,R,Lu	95					
Doebblers	RPM 4919AM	AM	MQ,P1V,R	109					
Doebblers	RPM 5018AM	AM,B	MQ,P1V,R	110					
Doebblers	RPM 5518AM	AM,B	MQ,P1V,R	115					
Dyna-Gro	D52SS63	STX	AC,P5V	112					
Dyna-Gro	D55VC45	VT2P	AC,P5V	115					
Great Heart	HT-7244VT2PRIB	VT2P,B	AC,P5V	112					
Great Heart	HT-7302VT2PRIB	VT2P,B	AC,P5V	113					
Great Heart	HT-7381VT2PRIB	VT2P,B	AC,P5V	113					
Great Heart	HT-7486SSRIB	STX,B	AC,P5V	114					
Hubner	H04G287	VT2P,DG,B	AC,P2	104					
Hubner	H4219RC2P	VT2P,B	AC,P5V	99					
Hubner	H4563RC2P	VT2P,B	AC,P2	111					
Hubner	H4663RC2P	VT2P,B	AC,P2	113					
Hubner	H6867RCSS	STX,B	AC,P5V	116					
Local Seed Co.	LC1289VT2P	VT2P,B	CM,C2	112					
Local Seed Co.	LC1349VT2P	VT2P,B	CM,C2	113					
Local Seed Co.	LC1487	None	CM,C2	114					
Mid-Atlantic	MA8074VT2P	VT2P	AC,P2	107					
Mid-Atlantic	MA8091VT2P	VT2P	AC,P2	109					
Mid-Atlantic	MA8107VT2P	VT2P	AC,P2	110					
Mid-Atlantic	MA8132VT2P	VT2P	AC,P2	113					
Mid-Atlantic	MA8163SS	STX	AC,P2	116					
NK Brand	NK1284-3220-EZR	3220,B	AVC,C5,Vi	112					
NK Brand	NK1573-3110	3110	AVC,C5,Vi	115					
Seed Consultants SC	10AGT59	3010	AVC,C2,Vi	105					
Seed Consultants SCS	1087YHR	OI	MQ,P1V,R	108					
Seed Consultants SCS	1105YHR	OI	MQ,P1V,R	110					

Footnotes and Abbreviation Descriptions

Brand Footnotes

^	Innotech™ brand seed is distributed by Rob-See-Co, LLC. Phoenix® brand seed is distributed by Advanta Seeds. Power Plus® brand seed is distributed by Burrus. Innotech™ and Phoenix® are trademarks 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*

3000GT	Agrisure® 3000GT (CB,RW,LL,GT)	E	Enlist™ (2,4-D, glyphosate, fop herbicide tolerance)
3010	Agrisure® 3010 (CB,LL,GT)	GT	Agrisure® GT
3011,A	Agrisure® Artesian® (CB,RW,LL,GT)	HX	Herculex® 1, contains LL
3110	Agrisure® Viptera® 3110 (Vip, CB,LL,GT)	HXRW	Herculex® Rootworm, contains LL
3111	Agrisure® Viptera® 3111 (Vip,CB,RW,LL,GT)	HXT	Herculex® Xtra (HX,HXRW,LL)
3120	Agrisure® 3120 (CB,HX,LL,GT)	LL	LibertyLink®
3122	Agrisure® 3122 (CB,HXX,RW,LL,GT)	None	conventional corn
3220	Agrisure® Viptera® 3220 (Vip,CB,HX,LL,GT)	OI	Optimum® Intrasect®, YHR (YGCB,HX,LL,RR2)
A	Agrisure® Artesian®	OIX	Optimum® Intrasect® Xtra, YXR (YGCB,HXT,LL,RR2)
AM	Optimum® AcreMax® (YGCB,HX,LL,RR2)	OIXT	Optimum® Intrasect® Xtreme (YGCB,HXT,RW,LL,RR2)
AMT	Optimum® AcreMax® TRIsect (HX,RW,LL,RR2)	PC	PowerCore™ (HX, VT2P)
AMX	Optimum® AcreMax® Xtra (YGCB,HXT,LL,RR2)	RR2	Roundup Ready® 2 Corn
AMXT	Optimum® AcreMax® Xtreme (YGCB,HXT,RW,LL,RR2)	RW	Agrisure® Rootworm
AQ	Optimum® AQUAMax®	STX	SmartStax® (VT3P,HXT,RR2,LL)
B	Refuge blend product	VT2P	Genuity® VT Double PRO®
CB	Agrisure® Corn Borer	VT3P	Genuity® VT Triple PRO®
DG	Genuity® DroughtGard®	YGCB	YieldGard® Corn Borer

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

Corn Seed Treatments**

?	information not provided	Lu	Lumivia™
A	Allegiance®	M	Maxim XL®
AC	Acceleron® fungicide products	MQ	Maxim Quattro®
AL2500	Alert 2500	None	untreated
At	Actellic®	P2, P5, P1	Poncho® at 0.25, 0.5 and 1.25 mg ai/seed, respectively
AVC	Avicta® Complete Corn	R	Raxil®
C2, C5, C1	Cruiser® at 0.25, 0.5 and 1.25 mg ai/seed, respectively	Sa	Sativa™
CE	Cruiser Extreme®	Se	Sebring™
CM	CruiserMaxx® Corn	Sn	Senator™
D	Dynasty®	Sp	Spirato™
Es	Escalate®	SC	SHIELDCoat™
HC	Hefty Complete	V	Votivo®
In	Intego™ Solo	Vi	Vibrance®
L	Lorsban®		

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