

# 2018 Corn Grain Top 30 Harvest Report

Pennsylvania Central [ PACE ] MARTINSBURG  
 Marcus Martin, Blair County, PA 16662



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

PREV. CROP/HERB: Soybean / Roundup  
 SOIL DESCRIPTION: Silt loam, mod. well drained, non-irrigated  
 SOIL CONDITION: No-till, very high P, very high K, 6.4 pH, 3.0% OM, 10.7 CEC  
 PEST MANAGEMENT: Prowl, atrazine, Capture  
 FERTILITY - Applied N: 144 Fall, 6 Planter, 81 Sidedress  
 Applied N-P-K (units): 231-128-174  
 SEEDING - RATE - ROW: May 9 34,000 /A 30" spacing  
 HARVESTED - STAND: Oct 31 33,100 /A

**All-Season Test**  
**99 - 109 Day CRM**  
 B2018PACE01

## Top 30 of 42

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
Doebler	RPM 4219AM	AM	102	<b>256.6</b>	18.0	6	32.9	976	1
Viking	42-05	None	105	<b>252.1</b>	16.9	21	34.1	966	2
Dyna-Gro	D49VC70	VT2P	109	<b>244.8</b>	16.6	7	34.1	940	3
Seed Consultants	SCS 10HR43	HX,RR2	104	<b>241.9</b>	18.8	19	33.9	916	4
Pioneer	P0977AM GC	AM,B	109	<b>238.9</b>	19.4	41	33.9	901	9
Local Seed Co.	LC0560VT2P	VT2P,B	106	<b>236.3</b>	15.1	5	32.8	916	5
Chemgro	6985RDP	VT2P,B	109	<b>235.9</b>	18.0	10	33.8	898	11
Seed Consultants	SCS 1037YHR	OI	103	<b>235.6</b>	16.4	20	32.8	906	6
Doebler	RPM 4018AMXT	AMXT,AQ,B	100	<b>234.7</b>	16.2	15	33.2	904	7
Augusta	A1156VT2Pro	VT2P	106	<b>233.8</b>	16.1	17	34.1	901	10
Viking	13-07	None	107	<b>233.7</b>	15.8	9	32.5	902	8
Viking	48-08	None	108	233.2	18.3	0	33.7	886	14
Local Seed Co.	LC0877VT2P	VT2P,B	108	232.5	16.4	5	33.2	894	12
Doebler	RPM 5018AM	AM,B	110	232.1	16.9	2	33.8	890	13
Dekalb	DKC58-34RIB GC	STX,B	108	229.6	17.9	6	33.2	874	18
Seed Consultants	SCS 1087YHR	OI	108	229.1	16.9	6	33.6	878	17
Mid-Atlantic	MA8091VT2P	VT2P	109	228.8	19.2	17	33.7	864	22
Seed Consultants	SCS 968AMXT	AMXT,B	96	227.9	15.4	6	33.2	882	15
Mid-Atlantic	MA8034VT2P	VT2P	103	227.5	15.6	5	33.3	879	16
Augusta	A4759GT3111	3111	109	226.3	18.4	1	32.5	859	23
Dyna-Gro	D47SS29RIB	STX,B	106	226.0	15.9	12	32.4	872	19
Hubner	H6394RCSS	STX,B	108	226.0	17.1	24	34.1	865	21
Hubner	H6287RCSS	STX,B	104	224.6	15.6	7	33.2	868	20
Pioneer	P0574AM GC	AM,AQ,B	105	222.9	16.2	11	33.2	858	24
Mid-Atlantic	MA8074VT2P	VT2P	107	221.0	17.1	2	32.5	846	25
Doebler	RPM 3518AM	AM,B	95	216.2	16.3	8	33.9	832	26
Dekalb	DKC55-84RIB GC	STX,B	105	214.0	16.2	12	32.8	824	27
Seed Consultants	SCS 1018YHR	OI,AQ	101	212.9	16.4	11	32.4	819	28
Augusta	A2856GT3110	3110	105	212.6	18.1	57	33.2	808	30
Hubner	H6225RCSS	STX,B	102	209.8	15.8	2	33.2	810	29

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Averages =	<b>218.1</b>	<b>16.9</b>	<b>13</b>	<b>33.1</b>	<b>836</b>
LSD (0.10) =	15.3	0.5	13		
LSD (0.25) =	8.0	0.3	7		
C.V. =	6.6	Prev. years average yield, 175.6 bu/a, 16 yrs			

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$3.88; non-GMO = \$3.88

**Test Comments:** *Excellent soil conditions at planting. Good seedling emergence and early vigor. Corn plants were shoulder high by the beginning of July. Summer and fall were very wet, a conducive environment for the gray leaf spot that was present. Some hybrids suffered weak knees (plant lodging) but most went through the combine. 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: 11/02/2018 Revised:

2018 Corn Grain - Pennsylvania Central [ PACE ]



All-Season Test Products (42 Total)

Company/Brand	Product/Brand	Technol.	Seed Trt.	RM	Company/Brand	Product/Brand	Technol.	Seed Trt.	RM
Augusta	A1156VT2Pro	VT2P	AC,P2	106					
Augusta	A2856GT3110	3110	CM,C2	105					
Augusta	A3855GT3010	3010	CM,C1	105					
Augusta	A4759GT3111	3111	CM,C2	109					
Augusta	A4858GT3010	3010	CM,C2	108					
Chemgro	6469RSX	STX,B	AC,P5V	104					
Chemgro	6795RDP	VT2P	AC,P2	107					
Chemgro	6985RDP	VT2P,B	AC,P2	109					
Dekalb	DKC55-84RIB GC	STX,B	AC,P5V	105					
Dekalb	DKC58-34RIB GC	STX,B	AC,P5V	108					
Doebblers	RPM 2519AM	AM	MQ,P1V,R	85					
Doebblers	RPM 3518AM	AM,B	CM,C2,R,Lu	95					
Doebblers	RPM 4018AMXT	AMXT,AQ,B	CM,C2,R	100					
Doebblers	RPM 4219AM	AM	MQ,P1V,R	102					
Doebblers	RPM 5018AM	AM,B	MQ,P1V,R	110					
Dyna-Gro	D47SS29RIB	STX,B	AC,P5V	106					
Dyna-Gro	D49VC70	VT2P	AC,P5V	109					
Hubner	H6225RCSS	STX,B	AC,P5V	102					
Hubner	H6287RCSS	STX,B	AC,P5V	104					
Hubner	H6394RCSS	STX,B	AC,P5V	108					
Local Seed Co.	LC0488VT2P	VT2P	CM,C2	104					
Local Seed Co.	LC0560VT2P	VT2P,B	CM,C2	106					
Local Seed Co.	LC0877VT2P	VT2P,B	CM,C2	108					
Mid-Atlantic	MA8026SS	STX	AC,P2	102					
Mid-Atlantic	MA8034VT2P	VT2P	AC,P2	103					
Mid-Atlantic	MA8074VT2P	VT2P	AC,P2	107					
Mid-Atlantic	MA8091VT2P	VT2P	AC,P2	109					
NK Brand	NK0886-3010	3010	AVC,C5,Vi	108					
NK Brand	NK0968-3110	3110	AVC,C5,Vi	109					
Pioneer	P0574AM GC	AM,AQ,B	MQ,P1V,R	105					
Pioneer	P0977AM GC	AM,B	MQ,P1V,R	109					
Seed Consultants	SC 10AGT59	3010	AVC,C2,Vi	105					
Seed Consultants	SCS 1008AMXT	AMXT,AQ,B	CM,C2,R	100					
Seed Consultants	SCS 1018YHR	OI,AQ	MQ,P1V,R	101					
Seed Consultants	SCS 1037YHR	OI	MQ,P1V,R	103					
Seed Consultants	SCS 1087YHR	OI	MQ,P1V,R	108					
Seed Consultants	SCS 10HR43	HX,RR2	MQ,P1V,R	104					
Seed Consultants	SCS 968AMXT	AMXT,B	CM,C2,R,Lu	96					
Viking	13-07	None	CM,C2	107					
Viking	42-05	None	CM,C2	105					
Viking	48-08	None	AC,P5V	108					
Viking	55-02	None	AC,P5V	102					

## 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.