

## 2018 Corn Grain Top 30 Harvest Report

Pennsylvania Central [ PACE ] MCVEYTOWN  
Charles Groff, Juniata County, PA 17051



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

PREV. CROP/HERB: Soybean / Roundup  
SOIL DESCRIPTION: Clay loam, mod. poor drained, non-irrigated  
SOIL CONDITION: No-till, medium P, medium K, 6.5 pH, 2.8% OM, 8.5 CEC  
PEST MANAGEMENT: Gramoxone, Dual II Magnum, Capture, Capreno, atrazine  
FERTILITY - Applied N: 96 Spring, 80 Sidedress  
Applied N-P-K (units): 176-45-130  
SEEDING - RATE - ROW: Jun 5 34,000 /A 30" spacing  
HARVESTED - STAND: Dec 6 33,000 /A

**All-Season Test**  
**99 - 109 Day CRM**  
B2018PACE05

### 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
Pioneer	P0977AM GC	AM,B	109	<b>159.1</b>	20.8	51	33.0	667	2
Doebler	RPM 5018AM	AM,B	110	<b>157.3</b>	17.1	20	32.9	674	1
Dekalb	DKC58-34RIB GC	STX,B	108	<b>142.4</b>	21.5	51	33.2	595	3
Seed Consultants	SCS 1087YHR	OI	108	<b>139.6</b>	20.3	35	32.5	587	5
Hubner	H6225RCSS	STX,B	102	<b>137.9</b>	17.6	46	33.2	590	4
Mid-Atlantic	MA8074VT2P	VT2P	107	<b>137.0</b>	20.2	70	32.8	577	6
Seed Consultants	SCS 968AMXT	AMXT,B	96	133.6	15.8	30	33.3	577	7
Chemgro	6795RDP	VT2P	107	129.8	17.9	49	32.8	554	8
Augusta	A4759GT3111	3111	109	128.0	20.6	65	32.8	538	9
Seed Consultants	SCS 1037YHR	OI	103	127.9	20.6	55	33.2	537	10
Mid-Atlantic	MA8091VT2P	VT2P	109	126.2	23.3	60	33.3	522	12
Augusta	A1156VT2Pro	VT2P	106	124.8	17.7	31	32.5	533	11
NK Brand	NK0968-3110	3110	109	124.0	21.8	70	33.3	517	14
Chemgro	6985RDP	VT2P,B	109	123.4	21.7	59	32.1	515	15
Viking	42-05	None	105	122.3	19.0	54	33.6	519	13
Doebler	RPM 4018AMXT	AMXT,AQ,B	100	121.0	21.2	70	32.7	506	18
Mid-Atlantic	MA8026SS	STX	102	120.9	18.3	54	32.9	515	16
Pioneer	P0574AM GC	AM,AQ,B	105	120.4	20.3	45	33.4	507	17
Local Seed Co.	LC0877VT2P	VT2P,B	108	117.9	20.9	59	33.2	494	20
Chemgro	6469RSX	STX,B	104	117.0	19.3	64	33.6	495	19
NK Brand	NK0886-3010	3010	108	114.6	20.0	59	32.9	483	22
Hubner	H6287RCSS	STX,B	104	114.2	18.3	57	33.3	486	21
Dyna-Gro	D47SS29RIB	STX,B	106	111.4	19.5	64	33.2	471	23
Doebler	RPM 3518AM	AM,B	95	111.3	20.0	70	32.4	469	24
Doebler	RPM 4219AM	AM	102	108.5	19.6	65	32.9	458	26
Seed Consultants	SCS 1008AMXT	AMXT,AQ,B	100	108.2	18.2	50	33.0	461	25
Dyna-Gro	D49VC70	VT2P	109	106.3	21.7	75	33.2	444	29
Viking	13-07	None	107	106.0	20.3	70	32.8	446	27
Viking	48-08	None	108	106.0	20.4	70	32.9	446	28
Mid-Atlantic	MA8034VT2P	VT2P	103	104.6	20.4	54	32.5	440	30

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Averages =	<b>114.5</b>	<b>20.1</b>	<b>58</b>	<b>33.0</b>	<b>483</b>
LSD (0.10) =	21.0	2.2	18		
LSD (0.25) =	11.0	1.1	10		
C.V. =	17.4				

Prev. years average yield, 168.7 bu/a, 11 yrs

**Yield & Income Factors:** Base Moisture = 15.0% Shrink = 1.3 Drying = \$0.025 Prices: GMO = \$4.34; non-GMO = \$4.34

**Test Comments:** *We harvested the worst corn plot last. Plant lodging was severe at this site. Foliar disease was a serious problem in the area and this site was no exception. Many hybrids died prematurely making stalks vulnerable to breakage. To maximize crop gathering by the combine, one-way harvest was required. Results are variable due to lodging severity. Overall rating of the plot 5 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: 12/07/2018 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.	LC0657VT2P	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.