

**2016**

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**Pennsylvania  
Five Acre Corn Club  
Report**

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**Supported by the Pennsylvania Corn  
Growers Association and Participating  
Seed Companies**



**PennState Extension**

## 2016 PENNSYLVANIA CORN CLUB

This year our yields were off a bit compared to previous years due to some weather factors. Nevertheless, our 37 members averaged 239.8 bushels/acre with a final stand of 32,840 plants/per acre. This year we made some changes in the club to reflect the desires of the PA Corn Growers. We separated all entries into five different regions in the state. We also discontinued the tillage and the three year awards. So you will find the report looks a bit different this year. We also made a few changes to our formatting. Yields in each region of the state were impressive, with each averaging 220 bushels or more. Some areas of the state had a period of drought stress in late June and early July, which may have capped our yields. The top yield this year was 287.3 bushels/acre. We continued our survey of cultural practices and as in the past found that most folks are planting at 1.75 to 2 inches deep. We also found that 47% of the entrants this year used a fungicide. We also found that other proven yield practices are common, such as crop rotation (81%), manure application (59%) and sidedressing (76%). We also found that 70% of our entries were no-till this year.

Congratulations again to all the producers who participated in this year's program. Many thanks are due to the extension educators and crop consultants who helped collect the yield and cultural information for the club. Also, a special thanks is due to Austin Kirt and Mark Antle in the Department of Plant Science for their diligent work in pulling this report together.

Greg W. Roth, Department of Plant Science, Penn State

2016 STATE AVERAGES	ENTRIES	BUSHEL/ACRE	GRAIN MOISTURE	% DOWN	% BARREN	PLANT POPULATION
Shelled Corn No-Till	26	239.0	21.8	1.5%	1.8%	33,235
Shelled Corn Tilled	11	241.5	22.0	1.3%	2.9%	31,810
<b>AVERAGE</b>		<b>239.8</b>	<b>21.9</b>	<b>1.4%</b>	<b>2.1%</b>	<b>32,840</b>
<b>TOTAL ENTRIES</b>	<b>37</b>					

### AWARD CLASSES

**A. SHELLED CORN TILLED CLASS, HARVEST SAMPLE 1.25 ACRES MINIMUM**

**B. SHELLED CORN NO-TILL CLASS, HARVEST SAMPLE 1.25 ACRES MINIMUM**

**2016 PENNSYLVANIA CORN CLUB**

PARTICIPANTS	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
HAVING YIELDS CHECKED	72	81	66	62	72	65	64	59	34	48	54	45	45	37
RECEIVING RECOGNITION	72	81	66	62	72	65	64	59	34	47	54	45	45	37
DISQUALIFIED	0	0	0	0	0	0	0	0	0	1	0	0	0	0
IN-SEASON FUNGICIDE TREATMENT					5	11	14	13	9	15	28	21	22	17
AVERAGE YIELD (BU/A)*	175	212	189	197	201	219	224	206	191	212	237	250	262	240

CLASS BUSHELS	RIBBON	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
250 AND OVER	NAVY	0	3	1	3	4	10	10	5	2	5	22	23	32	12
225 to 249.9	BURGUNDY	4	26	6	11	14	22	29	14	2	12	15	15	8	14
200 TO 224.9	GOLD	12	28	19	20	19	14	13	18	12	12	13	7	4	8
175.0 TO 199.9	PURPLE	21	15	18	11	18	9	6	14	8	9	4	0	0	3
150.0 TO 174.9	BLUE	19	6	17	7	12	7	5	6	5	6	0	0	1	0
125.0 TO 149.9	RED	8	3	4	9	4	2	1	2	5	1	0	0	0	0
100.0 TO 124.9	WHITE	4	0	2	1	0	1	0	0	0	2	0	0	0	0
LESS THAN 100	GREEN	2	0	0	0	1	0	0	0	0	0	0	0	0	0

\*BUSHEL OF SHELLED CORN (56 LBS PER BUSHEL @ 15.5% MOISTURE)

# 2016 CHAMPIONS

	NAME	ADDRESS	HYBRID	TILLAGE CLASS	POPULATION	YIELD
1ST	David Wolfskill Berks	3856 North Church St Wernersville, PA	Dekalb DKC62-08	No-Till	36,077	287.3
2ND	Glen Krall Lebanon	180 Schaeffer Rd Lebanon, PA	Pioneer P1197AMXT	Tilled	33,803	280.4
3RD	Linda Krall Lebanon	180 Schaeffer Rd Lebanon, PA	Pioneer P1197AMXT	Tilled		276.7

## REGIONAL CHAMPIONS 2016

Production Region	Name	Yield (bu/ac)	Plant Population	Variety	County	Tillage Class
<b>Central Region</b>	M+A Farms	249.7	27,966	Pioneer P1197AM	Columbia	No-Till
	Pine Hurst Acres	246.8	35,449	Channel 214-00 DGVT2PRIB	Northumberland	No-Till
<b>Central Region Average</b>		<b>248.3</b>	<b>31,707</b>			
<b>Northern Region</b>	Dick Snyder	266.3	35,893	Dekalb DKC62-08	Lycoming	Tilled
	Scott Snyder	254.8	32,525	Pioneer P1197	Lycoming	Tilled
<b>Northern Region Average</b>		<b>260.5</b>	<b>34,209</b>			
<b>South Central Region</b>	David Wolfskill	287.3	36,077	Dekalb DKC62-08	Berks	No-Till
	Glen Krall	280.4	33,803	Pioneer P1197AMXT	Lebanon	Tilled
<b>South Central Region Average</b>		<b>283.9</b>	<b>34,940</b>			
<b>Southeastern Region</b>	Sam Stewart	242.3	32,322	Dekalb DKC62-08	Bucks	No-Till
	John Frederick	235.6	35,458	Growmark FS FS60R36SS	Bucks	Tilled
<b>Southeastern Region Average</b>		<b>239.0</b>	<b>33,890</b>			
<b>Western Region</b>	Robert Dorazio	235.8	29,185	Pioneer 1197AM	Fayette	No-Till
	Michael Reskovac	235.7	30,666	Dekalb DKC61-88	Fayette	No-Till
<b>Western Region Average</b>		<b>235.7</b>	<b>29,926</b>			
<b>Overall Average</b>		<b>253.5</b>	<b>32,934</b>			

# 2016 Top 3 Producers

PLACE:	1st	2nd	3rd
NAME:	<b>David Wolfskill</b>	<b>Glen Krall</b>	<b>Linda Krall</b>
COUNTY:	Berks	Lebanon	Lebanon
HYBRID:	Dekalb DKC62-08	Pioneer P1197AMXT	Pioneer P1197AMXT
YIELD:	287.3	280.4	276.7
% DOWN:	4.4%	1.0%	
2015 Crop:	Soybeans	Soybeans	Soybeans
PLANTING DATE:	4/23/2016	4/19/2016	4/18/2016
YIELD CHECK SAMPLE SIZE	1.29	1.29	1.26
ROW WIDTH:	30	30	30
PRE HERBICIDE	Accuron, Roundup PowerMAX		
POST HERBICIDE		Touchdown, Atrazine, Resolve Q	Touchdown, Atrazine, Resolve Q
In-Row, Granular or liquid Insecticide	Capture LFR		
SIDE DRESS:	98	150	150
STARTER - N (lb/Ac):	7	4	4
MANURE:	Dairy	Poultry	Poultry
TOTAL FERT-N (lbs/Ac):	247	154	154
GRAIN MOISTURE:	20.9	24.5	24.7
% BARREN:	1.5%	2.1%	
PLANT POPULATION:	36,077	33,803	
TILLAGE	No-Till	Tilled	Tilled

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Production Region	Name	Yield (bu/ac)	Grain Moisture (%)	Plant Population	Percent Down	Percent Barren	Variety	Manure Source	Previous Crop	County	Tillage Class
Central Region	M+A Farms	249.7	18.6	27,966	0.6%	6.5%	Pioneer P1197AM	Swine	misc	Columbia	No-Till
	Pine Hurst Acres	246.8	23.1	35,449	0.0%	3.1%	Channel 214-00 DGVT2PRIB		Corn	Northumberland	No-Till
	Leslie Bowman	244.0	27.1	37,000			Pioneer P0843AM		Wheat/Soybeans	Franklin	No-Till
	Wertz Brothers	243.9	17.9	29,874	0.2%	2.0%	Pioneer P1197AM		Soybeans	Northumberland	No-Till
	Arentz Hay and Grain	224.2	16.9	32,525	1.0%	1.0%	Pioneer 1197	Poultry	misc	Adams	No-Till
<b>Central Region Average</b>		<b>241.7</b>	<b>20.7</b>	<b>32,563</b>	<b>0.5%</b>	<b>3.2%</b>					
Northern Region	Dick Snyder	266.3	21.7	35,893	0.0%	4.6%	Dekalb DKC62-08	Poultry	Soybeans	Lycoming	Tilled
	Scott Snyder	254.8	20.8	32,525	0.4%	1.3%	Pioneer P1197	Poultry	Soybeans	Lycoming	Tilled
<b>Northern Region Average</b>		<b>260.5</b>	<b>21.2</b>	<b>34,209</b>	<b>0.2%</b>	<b>2.9%</b>					
South Central Region	David Wolfskill	287.3	20.9	36,077	4.4%	1.5%	Dekalb DKC62-08	Dairy	Soybeans	Berks	No-Till
	Glen Krall	280.4	24.5	33,803	1.0%	2.1%	Pioneer P1197AMXT	Poultry	Soybeans	Lebanon	Tilled
	Linda Krall	276.7	24.7				Pioneer P1197AMXT	Poultry	Soybeans	Lebanon	Tilled
	Richard Kreider	274.3	19.1	34,674	0.0%	0.0%	Pioneer P1197AM	Dairy	Soybeans	Lebanon	No-Till
	Kristen Grumbine	271.7	27.1	37,000			Pioneer 1197 AMX	Layer	Wheat/Soybeans	Lebanon	No-Till
	Darren Grumbine	263.0	28.2	42,000			Dekalb DKC64-87	Layer	Wheat/Soybeans	Lebanon	No-Till
	Herman Manbeck	262.2	26.0	44,221	0.0%	0.0%	Pioneer 1197AM	Swine	Soybeans	Berks	No-Till
	Eric Charles	261.9	23.9	37,835	0.0%	0.0%	Pioneer P0339		Corn	Lancaster	No-Till
	David Schantz	254.4	22.9	33,715	7.0%	2.1%	Pioneer PO1197AM	Dairy	Corn	Berks	Tilled
	Merle Stoltzfus	252.7	31.8	36,043	5.5%	2.2%	Hubner H126624	Dairy	Soybeans	Lancaster	No-Till
	Elvin Reiff	245.7	24.4	30,041	0.3%	3.6%	Hubner H6663RCSS	Dairy	Soybeans	Lancaster	No-Till
	Bryan Harnish	244.7	23.8	29,447	0.0%	3.6%	Dekalb DKC65-19		misc	Lancaster	No-Till
	Sam Conley	244.4	19.6	35,346	1.4%	0.7%	Hubner H6663	Liquid Cow	Soybeans	Lancaster	No-Till
	Doris Stoltzfus	243.3	32.1	34,848	1.4%	0.7%	Hubner H6663	Dairy	Corn	Lancaster	No-Till
	Brian Kreider	219.0	28.5	36,765	0.2%	0.5%	Pioneer P1197AMXT	Beef Pen	Corn	Lebanon	No-Till
Ethan Buser	215.3	19.8	32,193	2.1%	3.1%	Pioneer P1197AM	Hog	Soybeans	York	No-Till	
Robert Buser	213.0	22.9	32,359	0.8%	1.5%	Pioneer P1197AMXT	Hog	Soybeans	York	No-Till	
William Buser	186.9	19.3	31,529	2.1%	2.1%	Pioneer P1197AMXT	Hog	Soybeans	York	No-Till	
<b>South Central Region Average</b>		<b>249.8</b>	<b>24.4</b>	<b>35,170</b>	<b>1.7%</b>	<b>1.6%</b>					
Southeastern Region	Sam Stewart	242.3	15.8	32,322	2.7%	1.1%	Dekalb DKC62-08		Corn	Bucks	No-Till
	John Frederick	235.6	20.5	35,458	0.0%	0.7%	Growmark FS FS60R36SS		Soybeans	Bucks	Tilled
	Tim Stewart	227.7	15.4	32,496	1.1%	2.1%	Dekalb DKC58-06		Corn	Bucks	No-Till
	Robert Rook	225.3	20.6	28,314	0.3%	2.8%	Pioneer P0339		Soybeans	Bucks	Tilled
	Shane Fulmer	220.0	17.2	32,409	2.2%	1.1%	Hubner H5663RC3P		Soybeans	Northampton	Tilled
	Brian Fulmer	211.6	19.3	20,212	0.0%	2.6%	Hubner H6764RCSS		misc	Northampton	Tilled
	Matthew Schantz	209.9	30.2	32,147	1.9%	10.6%	Pioneer PO216	Dairy	misc	Bucks	Tilled
	William Rook	194.6	17.1	28,837	0.9%	2.1%	Pioneer P0843AM		Soybeans	Bucks	No-Till
<b>Southeastern Region Average</b>		<b>220.9</b>	<b>19.5</b>	<b>30,274</b>	<b>1.1%</b>	<b>2.9%</b>					
Western Region	Robert Dorazio	235.8	15.8	29,185	4.2%	0.9%	Pioneer 1197AM		Soybeans	Fayette	No-Till
	Michael Reskovic	235.7	15.9	30,666	2.3%	2.3%	Dekalb DKC61-88		Soybeans	Fayette	No-Till
	Rick Telesz	221.8	20.1	33,628	0.8%	1.6%	GrowmarkFS FS 58R47VT3P	Dairy	Soybeans	Lawrence	Tilled
	Richard Burd	184.8	16.7	17,424	2.4%	0.7%	Pioneer 1197		Soybeans	Fayette	No-Till
<b>Western Region Average</b>		<b>219.5</b>	<b>17.1</b>	<b>27,726</b>	<b>2.4%</b>	<b>1.3%</b>					
<b>Grand Total</b>		<b>239.8</b>	<b>21.9</b>	<b>32,840</b>	<b>1.4%</b>	<b>2.1%</b>					

2016  
PENNSYLVANIA CORN CLUB

**Cultural Practice Summary**

Management factor	Entries	Bu/A	%H2O	Population	%Down	%Barren
<b>Manured Fields</b>						
No	15	230.3	19.3	30,462	1.2%	1.8%
Yes	22	246.2	23.6	34,538	1.6%	2.4%
<b>Previous Crop</b>						
Soybeans	22	239.0	20.8	32,405	1.5%	1.8%
Corn	7	242.2	23.1	34,776	1.8%	1.4%
Wheat/Soybeans	3	259.6	27.5	38,667		
misc	5	228.0	21.8	28,459	0.7%	4.9%
<b>Tillage</b>						
No-Till	26	239.0	21.8	33,235	1.5%	1.8%
Tilled	11	241.5	22.0	31,810	1.3%	2.9%
<b>Average all club members</b>		239.8	21.9	32,840	1.4%	2.1%

**Average Nitrogen (lb/acre) from fertilizer:** 210  
(does not include manure and previous crop credits)

**Percentage of fields receiving a sidedress N application:** 76%

**Average sidedress N application (lb/A):** 104

**Percentage of fields receiving a fungicide application:** 46%

**Percentage of fields receiving an in-row granular or liquid insecticide**

<u>Previous crop</u>	
Corn	43%
soybeans	23%

**Percentage of fields receiving manure:** 59%

**Total corn acres grown by participants:** 15,214

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