

# Pennsylvania Farm Conservation Practices Inventory

## Instructions

Thank you for agreeing to participate in this inventory of conservation practices on Pennsylvania farms. Please have the individual with the best knowledge of the conservation practices used in your operations complete the inventory.

The inventory will be used to determine the amount of conservation practice adoption on Pennsylvania farms. Cumulative results will be provided to the Pennsylvania Department of Environmental Protection to document the practices that Pennsylvania farmers are doing to conserve soil and water, and protect water quality. Ten percent of the participants in this inventory will be randomly selected for farm visits by Penn State Extension to assess the accuracy of the overall inventory.

**Please be assured that your responses will be kept completely confidential and your results will never be associated with your name or locational information.** The results reported to the Department of Environmental Protection will be provided in summary form and will not include any names or locations of inventory participants. Names and addresses will be removed from all inventory and farm visit results to prevent identification of participants.

Please answer each question to the best of your knowledge. Where the question asks you to fill in a circle, please fill the circle completely. Where the question asks you to write an answer, please print legibly.

The first part of this inventory asks basic questions about your farming operations. The second part of the inventory asks whether you are practicing certain conservation practices in your farming operations, and then asks some additional questions about each practice. Some of the practices listed may not be applicable to your operation. If you do not utilize a practice, answer "No" and continue on to the next question.

Please submit your completed inventory to the Penn State Survey Research Center by April 30, 2016.

# About Your Farming Operations

1. Please provide your name and the physical address of your farming operation.

First Name	I	Last Name

Number & Street Address

City	State	Zip Code

Municipality (township, borough, etc.)	County

Watershed, if known:  Delaware  Erie  Genessee  Ohio  Potomac  Susquehanna

2. How many acres is your farming operation? For purposes of answering this question and filling out the remainder of the survey, your farming operation includes all land which you manage for agricultural activities, including owned ground and rented ground.

					Number of acres
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3. For calendar year 2015, please indicate what crops you grew, how many acres of each, whether they were grown on owned or rented ground, and whether any of the acres grown were a double crop.

Crop	Acres on Owned Ground	Acres on Rented Ground	Acres Grown as a Double Crop
Corn Grain			
Corn Silage			
Soybeans			
Wheat			
Rye			
Barley			
Alfalfa			
Hay			
Other (please specify):			

**4. Do you raise animals as part of your farming operation?**

- No → Please proceed to Question 5.
- Yes → **4a. For calendar year 2015, please indicate what types of animals you had and the total annual head of each.**

Animal	Number	Animal	Number	Animal	Number	Animal	Number
Broilers		Nursery Pigs		Veal Calves		Beef Cattle	
Layers		Finisher Pigs		Dairy Heifers (12 mos. & younger)		Horses	
Turkeys		Sows		Dairy Heifers (older than 12 mos.)		Other _____	
Ducks		Boars		Cows (Milking and dry)		Other _____	

**Your Conservation Practices**

**5. Do you have a nutrient management plan or manure management plan for your farming operations?**

- No → Please proceed to Question 6.
- Yes → **5a. What type of plan do you have?**
  - Act 38 Nutrient Management Plan
  - NRCS 590 Nutrient Management Plan or Comprehensive Nutrient Management Plan
  - Manure Management Plan

**5b. When was it written or last updated?**   /     Month/Year

**5c. Were any county, state or federal government funds used to develop your plan?**  No  Yes

**5d. From whom or where did you get information to assist you in preparing the plan? (select all that apply)**

- Conservation District one-on-one assistance
- Conservation District workshop
- USDA NRCS
- Penn State Extension
- Private sector/nutrient management planner
- Certified crop advisor
- None
- Other (please specify): \_\_\_\_\_

**5e. Indicate how many acres are covered by your nutrient management plan:**

Land Type	Acres
Row Crops (corn, beans, small grains)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Pasture	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Hay	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

**6. Do you perform nitrogen tests such as the Pre-side dress Nitrate Test (PSNT), Corn Stalk Nitrate Test (CSNT), Illinois Soil Nitrogen Test (ISNT), Fall Soil Nitrate Test (FSNT), or Variable N rate application?**

- No → Please proceed to Question 7.
- Yes → **6a. Do you use the test results to change nitrogen application rates and/or timing?**
  - No
  - Yes → **6b. On how many acres of cropland do you use these nitrogen test methods to adjust recommendations?**      Acres

7. Is any manure produced from your farming operation transported out of the county in which your farming operations are located?

- No → Please proceed to Question 8.
- Yes, and I know to which county or counties my manure is transported
- Yes, but I don't know the county or counties to which my manure is transported; a hauler or broker handles this for me.

7a. If you know to which county or counties your manure is transported, please list the top three counties and/or states that receive your manure. Indicate the type of manure transported, the county(ies) and state(s) to which your manure is transported, the approximate annual amount that is transported to each location, and whether you worked with a manure hauler or broker to transport your manure.

County and State to which manure is transported	Manure Type	Approximate annual amount transported	Unit	Did you work with a hauler or broker?
1.	<input type="radio"/> Dairy <input type="radio"/> Swine <input type="radio"/> Beef <input type="radio"/> Poultry		<input type="radio"/> Tons <input type="radio"/> Gallons	<input type="radio"/> No <input type="radio"/> Yes
2.	<input type="radio"/> Dairy <input type="radio"/> Swine <input type="radio"/> Beef <input type="radio"/> Poultry		<input type="radio"/> Tons <input type="radio"/> Gallons	<input type="radio"/> No <input type="radio"/> Yes
3.	<input type="radio"/> Dairy <input type="radio"/> Swine <input type="radio"/> Beef <input type="radio"/> Poultry		<input type="radio"/> Tons <input type="radio"/> Gallons	<input type="radio"/> No <input type="radio"/> Yes

8. Do you have any animal waste storage systems (manure storages) for your farming operations?

- No → Please proceed to Question 9.
- Yes → 8a. For each manure storage you have, indicate the type of manure it stores, the date it was constructed, the months of storage it provides, whether any county, state or federal government funds were used to construct it, and whether runoff from the storage is being controlled.

	Manure Type	Month/Year Constructed	# of Months of Storage Provided	Were county, state or federal funds used to construct your storage?	Is runoff controlled from your storage system?
1	<input type="radio"/> Dairy <input type="radio"/> Swine <input type="radio"/> Beef <input type="radio"/> Poultry	<input type="text"/> / <input type="text"/>	<input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes
2	<input type="radio"/> Dairy <input type="radio"/> Swine <input type="radio"/> Beef <input type="radio"/> Poultry	<input type="text"/> / <input type="text"/>	<input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes
3	<input type="radio"/> Dairy <input type="radio"/> Swine <input type="radio"/> Beef <input type="radio"/> Poultry	<input type="text"/> / <input type="text"/>	<input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes
4	<input type="radio"/> Dairy <input type="radio"/> Swine <input type="radio"/> Beef <input type="radio"/> Poultry	<input type="text"/> / <input type="text"/>	<input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes
5	<input type="radio"/> Dairy <input type="radio"/> Swine <input type="radio"/> Beef <input type="radio"/> Poultry	<input type="text"/> / <input type="text"/>	<input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes

9. Do you have any barnyards?

- No → Please proceed to Question 10.
- Yes → 9a. Do you have any barnyard runoff controls on these barnyards? (This includes practices such as roof runoff control, diversion of clean water from entering the barnyard, and control of runoff from barnyard areas.)
  - No → Please proceed to Question 10.
  - Yes → 9b. Indicate what kind of runoff control practices you have, when they were built, and whether any county, state or federal government funds were used to construct them.

Runoff Control Practice	Do you have this practice?	Month/Year Constructed	Were county, state or federal funds used to construct the practice?
Roof runoff structures (gutters, downspouts, outlets)	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/> / <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes
Concrete barnyards	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/> / <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes
Curbs	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/> / <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes
Collection system and/or pumps	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/> / <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes
Barnyard runoff filter strip	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/> / <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes

10. Do you have any Agricultural Erosion & Sedimentation Control Plans (E&S Plans) or Conservation Plans for your farming operations?

- No → Please proceed to Question 11.
- Yes → 10a. For each plan you have, indicate the type of plan, when it was written or last updated, whether any federal government funds were used to develop your plan, and the acres of each land type covered by your plan:

Plan Type	Month/Year Written or Updated	Were Federal funds used to develop your plan?	Type and Number of Acres Covered by Plan			
			Land Type	# of Acres	Land Type	# of Acres
1 <input type="radio"/> E&S Plan <input type="radio"/> NRCS Conservation Plan	<input type="text"/> / <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	Row Crops	<input type="text"/>	Hay	<input type="text"/>
			Pasture	<input type="text"/>	Barnyard	<input type="text"/>
2 <input type="radio"/> E&S Plan <input type="radio"/> NRCS Conservation Plan	<input type="text"/> / <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	Row Crops	<input type="text"/>	Hay	<input type="text"/>
			Pasture	<input type="text"/>	Barnyard	<input type="text"/>
3 <input type="radio"/> E&S Plan <input type="radio"/> NRCS Conservation Plan	<input type="text"/> / <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	Row Crops	<input type="text"/>	Hay	<input type="text"/>
			Pasture	<input type="text"/>	Barnyard	<input type="text"/>
4 <input type="radio"/> E&S Plan <input type="radio"/> NRCS Conservation Plan	<input type="text"/> / <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	Row Crops	<input type="text"/>	Hay	<input type="text"/>
			Pasture	<input type="text"/>	Barnyard	<input type="text"/>
5 <input type="radio"/> E&S Plan <input type="radio"/> NRCS Conservation Plan	<input type="text"/> / <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	Row Crops	<input type="text"/>	Hay	<input type="text"/>
			Pasture	<input type="text"/>	Barnyard	<input type="text"/>

11. Did you practice no till or minimum till in calendar year 2015?

No → Please proceed to Question 12.

Yes → 11a. Indicate how many acres meet the following amounts of residue left in the field at the time of planting:

Amount of Residue	Acres
60% or greater	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
30% or greater, but less than 60%	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

11b. How many of your acres have been in continuous no till for the last five years?  Acres

12. Did you plant cover crops in calendar year 2015?

No → Please proceed to Question 13.

Yes → 12a. Fill out the chart below to indicate what species you planted, when they were planted, number of acres for each, whether they received a nutrient application, and whether you harvested or plan to harvest them:

Species	Date of Planting	Acres Planted	Nutrient Application?	Harvesting?
Rye	<input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> 1 5	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes
Wheat	<input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> 1 5	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes
Barley	<input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> 1 5	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes
Oats	<input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> 1 5	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes
Annual Rye grass	<input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> 1 5	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes
Annual Legumes	<input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> 1 5	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes
Triticale	<input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> 1 5	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes
Mixture (specify):	<input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> 1 5	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes
Other (specify):	<input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> / <input type="text"/> <input type="text"/> 1 5	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	<input type="radio"/> No <input type="radio"/> Yes

13. Is there any stream bank fencing on land that is part of your farming operation?

No → Please proceed to Question 14.

Yes → 13a. How many total linear feet of stream bank fencing do you have? (If fencing is on both sides of the stream, include each side as part of this total.)  feet

13b. What is the average distance from the stream to the fence?  feet

13c. Were any county, state or federal government funds used to construct this fencing?

No → Please proceed to Question 14.

Yes → 13d. How many linear feet of stream bank fencing was funded using county, state or federal government funds?

feet

14. Do you have any streamside riparian buffers on land that is part of your farming operation?

No → Please proceed to Question 15.

Yes → 14a. How many acres is the buffer?      acres

14b. What is the average width of the buffer?     feet

14c. Are trees and/or shrubs growing in the buffer?  No  Yes

14d. Were any county, state or federal government funds used to construct this buffer?

No → Please proceed to Question 15.

Yes → 14e. How many acres of buffer was funded using county, state or federal government funds?      acres

15. Excluding any riparian buffers identified in your answer to Question 14, have you retired any cropland from your farming operation to permanent vegetation such as perennial grasses, trees or shrubs?

No → Please proceed to Question 16.

Yes → 15a. Indicate what year you retired your cropland, how many acres have been retired, and whether trees and/or shrubs are growing in the retired acreage.

Year	Acres	Are trees and/or shrubs growing?
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes
<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes

15b. Were any county, state or federal government funds used to retire this acreage?

No → Please proceed to Question 16.

Yes → 15c. How many acres of retired cropland was funded using county, state or federal government funds?      acres

16. Please feel free to share any comments, thoughts or questions you may have.



Survey

\*\*\*\*\*END OF SURVEY\*\*\*\*\*

Please place survey in postage paid envelope and return to  
Penn State Survey Research Center  
105 The 330 Building  
University Park, PA 16802

Thank You!