

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 operation complete the inventory. If you are a farm landowner who does not farm, you should give this survey to the farm operator. Farm operators may fill out one survey for all of their acreage. A consultant may also work with a client farmer to fill this out.

You may recall receiving a survey like this in the winter of 2016. If you filled out that survey, we thank you and ask you to fill out this year's survey in order to provide an update on your conservation practices. This provides you with the opportunity to report whether practices previously reported are still in place, report annual practices for 2019, and report any new practices that you have installed since you filled out the last survey.

The inventory will be used to determine the amount of conservation practice adoption on Pennsylvania farms. Cumulative results from this survey will be provided to Pennsylvania's Chesapeake Bay Office to document the practices that Pennsylvania farmers are using 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 response will never be associated with your name or locational information. The results reported from this survey to the Chesapeake Bay Office will be provided in summary form and will not include any names or locations of inventory participants. Inventory results will be permanently anonymized to prevent the 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 in 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 in Pennsylvania. The second part of the inventory asks whether you are using certain conservation practices in your farming operations in Pennsylvania, 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 use a practice, answer "No" and continue on to the next question.

Please mail your completed inventory to the Penn State Survey Research Center by April 1, 2020 using the prepaid first-class envelope provided as part of the survey packet.

First, we would like to learn about your farming operations in Pennsylvania.

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

Name: _____

Home Farm Street Address: _____

City: _____ State: _____ ZIP: _____

Municipality (township, boro, etc.): _____ County: _____

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 in Pennsylvania which you manage for agricultural activities, including owned ground and rented ground.

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Number of acres

3. For calendar year **2019**, please indicate what crops you grew in Pennsylvania, how many acres of each 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	<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="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Corn Silage	<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="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Soybeans	<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="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Wheat	<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="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Rye	<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="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Barley	<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="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Alfalfa	<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="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Grass Hay	<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="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
Other:	<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="text"/>	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

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

No → Please proceed to Question 5.

Yes → **4a. For calendar year 2019, please indicate the total animal head of each type animal.**

Animal	Number	Animal	Number	Animal	Number	Animal	Number
Broiler	<input type="text"/>	Nursey Pigs	<input type="text"/>	Veal Calves	<input type="text"/>	Beef Cattle	<input type="text"/>
Layers	<input type="text"/>	Finisher Pigs	<input type="text"/>	Dairy Heifers (12 mo. & younger)	<input type="text"/>	Horses	<input type="text"/>
Turkeys	<input type="text"/>	Sows	<input type="text"/>	Dairy Heifers (12 mo. & older)	<input type="text"/>	Other	<input type="text"/>
Ducks	<input type="text"/>	Boars	<input type="text"/>	Cows (milking and dry)	<input type="text"/>	Other	<input type="text"/>

In the remaining questions, we will ask about your conservation practices on your farming operations in Pennsylvania.

5. Do you apply nutrients to your land?

No

Yes → **5a. Please indicate what type of nutrients you apply to your land (check all that apply):**

- Manure
- Commercial (inorganic/synthetic) fertilizer
- Biosolids (sewage sludge)
- Food processing residual (FPR)
- Mushroom compost/substrate
- Other (other compost, leaf litter, feather meal, kelp, etc.) Please describe:

6. If you applied manure in **2019**, did you inject or incorporate the manure?

No

Yes → **6a. Please indicate the total acres for each manure injection or incorporation method with each timing of manure incorporation.**

Manure Injection/Incorporation Method	Timing of Incorporations	
	Within 24 hours after application	Within 1-3 days after applicaiton
Low-disturbance incorporation (using, for example, vertical tillage or rolling tine aerators)	<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="text"/>
High-disturbance incorporation (using any other tillage system, which may include chisel plow, moldboard plow, aggressive disking, etc)	<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="text"/>
Immediate injection (using, for example, shallow disk or narrow shank injectors)	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>	

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

No → **Please proceed to Question 8 (NEXT PAGE)**

Yes → **Please answer questions 7a to 7g:**

7a. What type of plan do you have?

- Act 38 Nutrient Management Plan
- Manure Management Plan
- NRCS 590 Plan or Comprehensive Nutrient Management Plan (CNMP)
- Nutrient Balance Sheets for imported manure
- Nutrient Balance Sheets with no manure
- Other, Please describe:

7b. When was your plan written or last updated?

Month Year

7c. Number of cropland acres covered in your plan:

Acres

7d. Were any county, state or federal government funds used develop your plan?

- No
- Yes

7e. Is your plan a nitrogen-based plan, or both a nitrogen and phosphorus-based plan?

- A nitrogen based plan
- A nitrogen and phosphorus-based plan

7f. Do you follow your plan when you apply nutrients to your land?

- No
- Yes

7g. Do you keep nutrient application records in accordance with your plan?

- No
- Yes

8. The next three questions will ask you specifics about your nitrogen applications. In calendar year **2019**, did you follow any of the practices described below that affect the rate of your nitrogen applications? If yes, please indicate the number of acres on which you used the practice.

Practice Description	Did you use this practice?	Acres
A. Total nitrogen application rates were lower than those recommended in the Penn State Agronomy Guide and basic nutrient balance recommendations for nitrogen (found in your Manure Management Plan, Nutrient Balance Sheets, etc.)	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
B. Nitrogen was applied by crop by multiple lower rate split applications made throughout the growing year, for example corn side-dress, small grain split applications, etc.	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
C. Nitrogen was applied at variable rates at the sub-field level based on variable crop response data from historical records or Pre-side dress Nitrate Test (PSNT), chlorophyll meter, NDVI sensor, plant sampling, nitrogen modeling, etc.	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

9. In calendar year **2019**, did you follow any of the practices described below that affect the placement of your nitrogen applications? If yes, please indicate the number of acres on which you used the practice.

Practice Description	Did you use this practice?	Acres
A. Injection or incorporation of inorganic nitrogen fertilizer only within 24 hours of application	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
B. Setbacks: If fertilizer or manure is applied to fields near a water feature, maintaining a setback of 100 feet from any wellheads or springs used for drinking water and 100 feet (or 35 feet if there is a permanent vegetative buffer) from any streams, lakes, ponds or sinkholes. NOTE: When reporting acreage, only count those field management units where setbacks were implemented but count the entire crop acreage of those fields (including crops grown within the setbacks and outside of the setbacks).	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

10. In calendar year **2019**, did you follow any of the practices described below that affect the timing of your nitrogen applications? If yes, please indicate the number of acres on which you used the practice.

Practice Description	Did you use this practice?	Acres
A. Nitrogen was applied by crop by multiple lower rate split applications made throughout the growing year, i.e. corn side-dress, small grain split applications, etc.	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
B. Nitrogen was applied through multiple applications based on recommendations from Pre-side dress Nitrate Test (PSNT), chlorophyll meter, NDVI sensor, plant sampling, nitrogen modeling, etc.	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

11. The next three questions will ask you specifics about your phosphorus applications. In calendar year **2019**, did you follow any of the practices described below that affect the rate of your phosphorus applications? If yes, please indicate the number of acres on which you used the practice.

Practice Description	Did you use this practice?	Acres
A. Total phosphorus application rates were lower than those recommended in the Penn State Agronomy Guide and basic nutrient balance recommendations for phosphorus (found in your Nutrient Balance Sheets, etc.)	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
B. Applications of manure were based on annual crop removal of phosphorus rather than nitrogen	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
C. Phosphorus was applied at variable rates at the sub-field level based on variable crop response data from historical records or tools like optical crop sensors	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

12. In calendar year **2019**, did you follow any of the practices described below that affect the placement of your phosphorus applications? If yes, please indicate the number of acres on which you used the practice.

Practice Description	Did you use this practice?	Acres
A. Injection or incorporation of inorganic phosphorus fertilizer only within 24 hours of application	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
B. Setbacks: If fertilizer or manure is applied to fields near a water feature, maintaining a setback of 100 feet from any wellheads or springs used for drinking water and 100 feet (or 35 feet if there is a permanent vegetative buffer) from any streams, lakes, ponds or sinkholes. NOTE: When reporting acreage, only count those field management units where setbacks were implemented but count the entire crop acreage of those fields (including crops grown within the setbacks and outside of the setbacks).	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

13. In calendar year **2019**, did you follow any of the practices described below that affect the timing of your phosphorus applications? If yes, please indicate the number of acres on which you used the practice.

Practice Description	Did you use this practice?	Acres
A. Phosphorus was applied in seasons of lower risk for phosphorus loss	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
B. The P Index assessment was followed to change manure application to a time of year when there is a lower risk for phosphorus loss	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
C. Split applications of phosphorus fertilizer were made throughout the growing year	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>

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

No → Please proceed to question 15

Yes → Please answer question 14a

14a. For each manure storage you have, indicate the type of manure it stores (both animal type and whether it is dry (stackable) or liquid), the date it was constructed, the months of storage it provides, whether any county, state or federal government funds were used to construct it, whether it was based on a certified engineer design, and whether runoff from the storage is being controlled.

Manure Type

Dairy Dry (stackable) Date Constructed (mm/yyyy) Were county, state or federal funds used to construct your storage? No Yes
 Beef Liquid
 Swine
 Poultry

Months of storage provided

Certified engineer design? No Yes

Is runoff controlled from your storage system? No Yes

Manure Type

Dairy Dry (stackable) Date Constructed (mm/yyyy) Were county, state or federal funds used to construct your storage? No Yes
 Beef Liquid
 Swine
 Poultry

Months of storage provided

Certified engineer design? No Yes

Is runoff controlled from your storage system? No Yes

Manure Type

Dairy Dry (stackable) Date Constructed (mm/yyyy) Were county, state or federal funds used to construct your storage? No Yes
 Beef Liquid
 Swine
 Poultry

Months of storage provided

Certified engineer design? No Yes

Is runoff controlled from your storage system? No Yes

Manure Type

Dairy Dry (stackable) Date Constructed (mm/yyyy) Were county, state or federal funds used to construct your storage? No Yes
 Beef Liquid
 Swine
 Poultry

Months of storage provided

Certified engineer design? No Yes

Is runoff controlled from your storage system? No Yes

Manure Type

Dairy Dry (stackable) Date Constructed (mm/yyyy) Were county, state or federal funds used to construct your storage? No Yes
 Beef Liquid
 Swine
 Poultry

Months of storage provided

Certified engineer design? No Yes

Is runoff controlled from your storage system? No Yes

15. Do you have any barnyards where animals are kept?

No → Please proceed to Question 16.

Yes → **15a. Do you have any barnyard runoff controls on these barnyards? (This includes practices that divert clean water from entering the barnyard, provide stabilized surfaces in the barnyard, and control runoff from barnyard areas.)**

No → Please proceed to Question 16

Yes → **15b. Indicate what kind of runoff control practices you have, the date they were constructed, and whether any county, state or federal government funds used to construct them.**

Runoff Control Practice	Did you have this practice?	Were county, state or federal funds used to construct the practice?
A. Diversions to direct clean water runoff away from barnyard (such as roof gutters, downspouts, and outlets to send runoff away from barnyard)	<input type="radio"/> No Date Constructed (mm/yyyy) <input type="radio"/> Yes → <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
B. Stabilized barnyard surface with concrete, stone aggregate or other suitable materials	<input type="radio"/> No Date Constructed (mm/yyyy) <input type="radio"/> Yes → <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
C. System to catch barnyard runoff and discharge it to storage or stabilized vegetated filter area	<input type="radio"/> No Date Constructed (mm/yyyy) <input type="radio"/> Yes → <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

16. Do you have any pastures where you graze animals?

No → Please proceed to Question 17.

Yes → **16a. Do you have and follow a grazing management plan?**

No → Please proceed to Question 17

Yes → **16b. When was your plan written or last updated?mm/yyyy**

/

16c. Were any county, state or federal government funds used develop your plan?

- No
 Yes

16d. Are you implementing your grazing management plan?

No

Yes → **16e. On how many acres of pasture are you implementing your grazing management plan?**

Acres

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

No → Please proceed to Question 18

Yes → **17a. For each plan you have, indicate the type of plan, when it was written or last updated, whether any county, state or federal government funds were used to develop your plan, whether you are on schedule for implementing your plan, and the acres of cropland covered by your plan:**

Plan #1

Plan Type: Ag E&S Plan NRCE Conservation Plan

Date Written or Updated (mm/yyyy) /

Acres covered by plan: Row Crops: Hay: Pasture:

Were county, state or federal funds used to develop your plan? No Yes

Are you on schedule for implementing plan? No Yes

Plan #2

Plan Type: Ag E&S Plan NRCE Conservation Plan

Date Written or Updated (mm/yyyy) /

Acres covered by plan: Row Crops: Hay: Pasture:

Were county, state or federal funds used to develop your plan? No Yes

Are you on schedule for implementing plan? No Yes

Plan #3

Plan Type: Ag E&S Plan NRCE Conservation Plan

Date Written or Updated (mm/yyyy) /

Acres covered by plan: Row Crops: Hay: Pasture:

Were county, state or federal funds used to develop your plan? No Yes

Are you on schedule for implementing plan? No Yes

Plan #4

Plan Type: Ag E&S Plan NRCE Conservation Plan

Date Written or Updated (mm/yyyy) /

Acres covered by plan: Row Crops: Hay: Pasture:

Were county, state or federal funds used to develop your plan? No Yes

Are you on schedule for implementing plan? No Yes

Plan #5

Plan Type: Ag E&S Plan NRCE Conservation Plan

Date Written or Updated (mm/yyyy) /

Acres covered by plan: Row Crops: Hay: Pasture:

Were county, state or federal funds used to develop your plan? No Yes

Are you on schedule for implementing plan? No Yes

18. Did you practice no till or minimum till in calendar year 2019?

No → Please proceed to Question 19

Yes → 18a. Indicate how many acres meet the following amounts of residue left in the field at the time of planting:

60% or Greater 30% to 59% 15% to 29%

19. Did you plant cover crops or winter crops in calendar year 2019?

No → Please proceed to Question 20

Yes → 19a. Fill out the charts below to indicate what species you planted, the date you planted them, how many acres of each, method of planting, whether they received a fall manure nutrient application and/or received or will receive a spring nutrient (manure or fertilizer) application before March 1, and whether you plan to harvest any acres in the spring for forage or grain:

Please pick a cover crop that you planted in 2019

- Rye
- Wheat
- Barley
- Oats (Winter Hardy)
- Oats (Winter Killed)
- Annual Ryegrass
- Annual Legumes
- Barassica (Winter Hardy)
- Triticale
- Forage Radish
- Mixture of Forage Radish plus Grass
- Annual Legume plus grass at 25-49%
- Annual Legume plus grass at 50% or More
- Other

Method of Planting (check all that apply)

- Drilled with seed drill
- Broadcast with incorporation
- Broadcast without incorporation
- Aerial seeding with aircraft
- Other (specify):

Date Planted (mm/yyyy)

/

Acres Planted

Fall Manure Nutrient Application? No Yes
Spring Nutrient Application before 3/1? No Yes

Harvesting in the Spring?

No Yes →

Acres Harvested

If applicable, please pick another cover crop that you planted in 2019

- Rye
- Wheat
- Barley
- Oats (Winter Hardy)
- Oats (Winter Killed)
- Annual Ryegrass
- Annual Legumes
- Barassica (Winter Hardy)
- Triticale
- Forage Radish
- Mixture of Forage Radish plus Grass
- Annual Legume plus grass at 25-49%
- Annual Legume plus grass at 50% or More
- Other

Method of Planting (check all that apply)

- Drilled with seed drill
- Broadcast with incorporation
- Broadcast without incorporation
- Aerial seeding with aircraft
- Other (specify):

Date Planted (mm/yyyy)

/

Acres Planted

Fall Manure Nutrient Application? No Yes
Spring Nutrient Application before 3/1? No Yes

Harvesting in the Spring?

No Yes →

Acres Harvested

If applicable, please pick another cover crop that you planted in 2019

- Rye
- Annual Ryegrass
- Mixture of Forage Radish plus Grass
- Wheat
- Annual Legumes
- Annual Legume plus grass at 25-49%
- Barley
- Barassica (Winter Hardy)
- Annual Legume plus grass at 50% or More
- Oats (Winter Hardy)
- Triticale
- Other
- Oats (Winter Killed)
- Forage Radish

Method of Planting (check all that apply)

- Drilled with seed drill
- Broadcast with incorporation
- Broadcast without incorporation
- Aerial seeding with aircraft
- Other (specify):

Date Planted (mm/yyyy)

 /

Acres Planted

Fall Manure Nutrient Application? No Yes

Spring Nutrient Application before 3/1? No Yes

Harvesting in the Spring?

No

Yes →

Acres Harvested

If applicable, please pick another cover crop that you planted in 2019

- Rye
- Annual Ryegrass
- Mixture of Forage Radish plus Grass
- Wheat
- Annual Legumes
- Annual Legume plus grass at 25-49%
- Barley
- Barassica (Winter Hardy)
- Annual Legume plus grass at 50% or More
- Oats (Winter Hardy)
- Triticale
- Other
- Oats (Winter Killed)
- Forage Radish

Method of Planting (check all that apply)

- Drilled with seed drill
- Broadcast with incorporation
- Broadcast without incorporation
- Aerial seeding with aircraft
- Other (specify):

Date Planted (mm/yyyy)

 /

Acres Planted

Fall Manure Nutrient Application? No Yes

Spring Nutrient Application before 3/1? No Yes

Harvesting in the Spring?

No

Yes →

Acres Harvested

If applicable, please pick another cover crop that you planted in 2019

- Rye
- Annual Ryegrass
- Mixture of Forage Radish plus Grass
- Wheat
- Annual Legumes
- Annual Legume plus grass at 25-49%
- Barley
- Barassica (Winter Hardy)
- Annual Legume plus grass at 50% or More
- Oats (Winter Hardy)
- Triticale
- Other
- Oats (Winter Killed)
- Forage Radish

Method of Planting (check all that apply)

- Drilled with seed drill
- Broadcast with incorporation
- Broadcast without incorporation
- Aerial seeding with aircraft
- Other (specify):

Date Planted (mm/yyyy)

 /

Acres Planted

Fall Manure Nutrient Application? No Yes

Spring Nutrient Application before 3/1? No Yes

Harvesting in the Spring?

No

Yes →

Acres Harvested

20. Are there any streams or waterways on the lands that are part of your farming operation?

No → Please proceed to Question 21

Yes → **20a. Do you maintain permanent vegetation of an average width of at least 10 feet between the stream bank or waterway and any of your cropland?**

No → Please proceed to Question 20b

Yes → For all such areas between streams and croplands on your farming operation, fill out the chart below to indicate the type of buffer (by vegetation type and average width), the date established, whether any county, state or federal government funds were used to establish the buffers, and the total acres of such areas.

Type of vegetation growing next to stream or waterway and average width from top of bank	Date established (mm/yyyy)	Were county, state or federal funds used to establish the practice?	Total Acres of Buffer
Grass with average width of at least 10 but less than 35 feet	<input type="text"/> / <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/>
Grass with average width of 35 feet or greater	<input type="text"/> / <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/>
Trees and/or shrubs with average width between 10 feet and 35 feet	<input type="text"/> / <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/>
Trees and/or shrubs with average width of 35 feet or greater	<input type="text"/> / <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/>

20b. Do you maintain permanent vegetation of an average width of at least 10 feet between the stream bank or waterway and any pastures that are part of your operation?

No → Please proceed to Question 21

Yes → For all such areas between streams and pastures on your farming operation, fill out the chart below to indicate the type of buffer (by vegetation type and average width), the date established, whether any county, state or federal government funds were used to establish the buffers, and the total acres of such areas.

Type of vegetation growing next to stream or waterway and average width from top of bank	If pastures are actively used for grazing, are animals excluded from buffer area (for example, with fencing)?	Date established (mm/yyyy)	Were county, state or federal funds used to establish the practice?	Total Acres of Buffer
Grass with average width of at least 10 but less than 35 feet	<input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> Not used for grazing	<input type="text"/> / <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/>
Grass with average width of 35 feet or greater	<input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> Not used for grazing	<input type="text"/> / <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/>
Trees and/or shrubs with average width between 10 feet and 35 feet	<input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> Not used for grazing	<input type="text"/> / <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/>
Trees and/or shrubs with average width of 35 feet or greater	<input type="radio"/> No <input type="radio"/> Yes <input type="radio"/> Not used for grazing	<input type="text"/> / <input type="text"/>	<input type="radio"/> No <input type="radio"/> Yes	<input type="text"/>

21. Please let us know what other conservation practices you have installed or are practicing on your farm without government funding.

Dairy precision feeding

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 cows

Planting trees on upland agricultural lands (not along streams)

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 acres

Stream restoration

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 linear feet

Wetland restoration

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 acres

Other conservation practices not listed above (include units):

SAMPLE ONLY

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

Please place completed survey in postage paid envelope to return to Penn State Survey Research Center.
Thanks!