



DE Department of Agriculture  
 Agriculture Compliance Lab  
 2320 S. DuPont Highway  
 Dover, DE 19901  
 302-698-4558



## Manure Sample Form

*To ensure compliance with a CAFO NPDES Permit, please submit this completed form with your annual manure sample to our Ag Compliance lab at the address above. Retain a copy of this form with the analysis results for your records.*

### Farm Information

Grower Name:		
Mailing Address:		
City:	State:	Zip:
Farm Name:		
Farm Address:		
City:	State:	Zip:
Phone Number:		
Email: (if preferred method of delivery)		

### Sample Information

Manure Type:	
Sample Location:	
Date Collected:	Time Collected:
Person Who Collected Sample:	
Comments:	

**\* Samples shall be collected in accordance with the “Manure Testing State Technical Standard” on the reverse side**

Delaware Nutrient Management  
Program

DELAWARE CONSERVATION  
PRACTICE STANDARD

**MANURE TESTING**

(Reported by No.)

**DEFINITION**

Practice of sampling and testing manure to determine its nutrient content.

**PURPOSES**

This practice may be applied for one or more of the following purposes:

1. Obtain the exact nutrient content of manure.
2. Check efficiency of digestion of nutrients.
3. Change livestock diets.
4. Reduce excess nutrients in waste.
5. Calculate manure application rates.

**CONDITIONS WHERE PRACTICE  
APPLIES**

This practice applies where:

1. Producer aims to test and create a diet with more digestible nutrients.
2. Producers must assess nutrient concentrations in manures to calculate manure and fertilizer application rates to crop fields.
3. There is a need to assess nutrient concentrations in manures based on new livestock diets.

**CONSIDERATIONS**

It is important to collect manure samples properly to ensure that the nutrient content of the whole mass is represented. It is best to collect a representative sample of manure by taking small samples from multiple areas of the stockpile, lagoon, or other storage facility.

**CRITERIA**

**Materials.** Manure samples shall be collected and stored in nonmetallic containers, such as plastic buckets or freezer bags.

For liquid manure, ½ inch nonmetallic conduits (open on both ends) should be used to extract the manure. If the manure is in a lagoon, the manure samples should be collected in a small bottle at the end of a 10'-15' pole.

**Protection.** The nutrient content of manure can change during storage. It is important that sampling and analysis of the manure should be performed as close to the time of its application as possible to protect the sample from experiencing too great a loss of nutrients. Possible causes of changes in nutrient content are dilution, settling of solids and denser liquids, and gaseous loss.

**REFERENCES**

Guidelines for collection of samples and a description of sample analysis procedures can be viewed at:

<https://s3.amazonaws.com/udextension/ag/files/2013/06/The-Mid-Atlantic-Nutrient-Management-Handbook-2006.pdf>