

# PURDUE EXTENSION NOBLE COUNTY

## 4-H DAIRY WORKSHEETS

Grade 11-D



Name: \_\_\_\_\_

4-H Club: \_\_\_\_\_

Leader Signature: \_\_\_\_\_

Date: \_\_\_\_\_

**Manure Management: Please write the correct answer on the line provided to correctly complete the statement.**

1. Why is understanding the volume of manure produced on a dairy farm important?

\_\_\_\_\_  
\_\_\_\_\_

2. When dealing with animal agriculture the definition of a neighbor is \_\_\_\_\_  
\_\_\_\_\_ and needs to be defined \_\_\_\_\_.

3. What are the four most common sources of bedding used in dairy farming?

A. \_\_\_\_\_

B. \_\_\_\_\_

C. \_\_\_\_\_

D. \_\_\_\_\_

4. What are three guidelines in reducing nuisances from odor?

A. \_\_\_\_\_

B. \_\_\_\_\_

C. \_\_\_\_\_

5. Excreted from cows, \_\_\_\_\_ and \_\_\_\_\_ may  
be applied to the soil.

6. Manure systems must be able to handle \_\_\_\_\_, \_\_\_\_\_, and  
\_\_\_\_\_ used on the farm.

7. The public is and will continue to be concerned with \_\_\_\_\_  
\_\_\_\_\_

8. What are the main compounds responsible for causing odors that are detectable on dairy  
farms?

A. \_\_\_\_\_

B. \_\_\_\_\_

C. \_\_\_\_\_

Answers can be found in the OSU Dairy Resource Handbook – 4-H 127R.

D. \_\_\_\_\_

E. \_\_\_\_\_

F. \_\_\_\_\_

9. A lactating dairy cow \_\_\_\_\_ about \_\_\_\_\_ of feces and urine per day.

10. What are the two categories of manure systems?

A. \_\_\_\_\_

B. \_\_\_\_\_

11. Protecting the water supply begins with \_\_\_\_\_

\_\_\_\_\_

12. A watershed is defined as: \_\_\_\_\_

\_\_\_\_\_. Use

the provided website in the manual to locate what watershed you live in

\_\_\_\_\_

13. What agency regulates the water supply? \_\_\_\_\_ What act initiated in 1972 enforces the environmental regulations? \_\_\_\_\_, this was revised again in \_\_\_\_\_.

14. A manure handling and storage facility should be designed to provide \_\_\_\_\_

minimum storage capacity with \_\_\_\_\_ storage capacity

preferred.

15. When sizing storage structures \_\_\_\_\_ be conservative by sizing the structure for \_\_\_\_\_.

16. What is the difference between a large CAFO and a medium AFO?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_