



# 4-H DAIRY WORKSHEET



## Grade 11

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

**Manure Management - Fill in the blanks:** 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. _____ | C. _____ |
| B. _____ | 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. _____ | D. _____ |
| B. _____ | E. _____ |
| C. _____ | 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?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



DEKALB COUNTY LIVESTOCK RECORD

(Check one)

- Beef, Goat, Feeder Calf, Swine, Sheep, Dairy, Dairy Beef

You need to be keeping Monthly records. Use separate pages to record your monthly data and use this form to summarize your information.

Name \_\_\_\_\_ Grade \_\_\_\_\_

Club \_\_\_\_\_ (of participation) Years in 4-H \_\_\_\_\_ (including this year) Years in this project \_\_\_\_\_ (including this year)

Table 1. Inventory of 4-H Project Animals

Table with 6 columns: ID/Registration #, Animal's Name, Breed, Sex, Date of Birth, Value

(add more pages, if necessary)

Table 2. List the items you feed to your animals (include type of feed, quantity, costs).

Table with 3 columns: Type of Feed, Total Amount Fed, Total Cost or Estimated Value of Feed

Did you give a demonstration? Yes \_\_\_\_\_ No \_\_\_\_\_ If yes, list the date given, title of demonstration and number of people present.

Three horizontal lines for notes

List any tours, workshops, clinics, etc. you participated in relating to this project.

Three horizontal lines for notes

<b>Financial Summary</b>	
<b>Item</b>	<b>Cost</b>
<b>Income</b>	
Sale of animals (estimate income, if not yet sold) OR estimate value for breeding animals.	
Any other income from project (i.e. Open Shows)	
<b>Total Income</b>	<b>\$</b>
<b>Expenses</b>	
Cost of animals	
Feed costs (growing rations, finishing rations, etc.)	
Veterinary/medical fees/health paper fees	
Housing or Rent	
Manure Handling	
Bedding	
Fencing	
Transportation	
Equipment (feed, show, groom)	
Other (List)	
<b>Total Expenses</b>	<b>\$</b>
<b>Income – Expenses: Actual or Projected Profit (loss)</b>	<b>\$</b>

<b>For Market Animals Only</b>					
Feed Record:	No. 1	No. 2	No. 3	No. 4	No. 5
1. Estimate weight of animal in early Sept.					
2. Initial weight of animal (estimate or weigh-in weight)					
3. Total weight gain (line 2 minus line 1)					
4. Number of days fed					
5. Average daily gain (line 3 divided by line 4)					
6. Total pounds feed fed					
7. Pounds feed per pound gain					