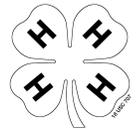


4-H DAIRY WORKSHEET



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 checkboxes

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 writing demonstration details.

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

Three horizontal lines for listing activities.

Financial Summary	
Item	Cost
Income	
Sale of animals (estimate income, if not yet sold) OR estimate value for breeding animals.	
Any other income from project (i.e. Open Shows)	
Total Income	\$
Expenses	
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)	
Total Expenses	\$
Income – Expenses: Actual or Projected Profit (loss)	\$

For Market Animals Only					
	No.	No.	No.	No.	No.
Feed Record:	1	2	3	4	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					