



## Barry County Dairy Feeder Notebook Junior - Ages 9-11

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

Address: \_\_\_\_\_

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

Project Leader Name: \_\_\_\_\_ Years in Project: \_\_\_\_\_

A Dairy Feeder Notebook is required for all Dairy Feeder Projects. Notebooks must be presented by the exhibitor for judging at the fair during Non-Livestock judging. Failure to present a notebook for judging will disqualify the dairy feeder animal and exhibitor from participating in the Barry County Fair. In the event of extenuating circumstances, another 4-H member may present the notebook for judging with an absentee form but can result in a lower award.

The notebook may be typed or handwritten in neat and clear penmanship. The notebook should be displayed in a hard cover notebook that contains each year's journal from the time the exhibitor started exhibiting a 4-H Dairy Feeder project.

The notebook must include this completed packet of records and project knowledge, proof of vaccinations (the top of box or vet receipt), and thank you cards for buyers for **each** animal being **shown** at the fair, even if the animal is not being sold. Exhibitors must contact at least three potential buyers and include in the notebook the list of who was contacted and must have a copy of their personnel buyer letter. BQA certification must also be included.

Project pictures are a required part of the notebook. Taking pictures of project animal(s) throughout the project will indicate how animal(s) have grown and developed. Pictures of the animal(s) and the exhibitor are preferred. Get creative in your presentation.

**Dairy Feeder #1**  
**Project Information**

Name	
Ear Tag Number	
RFID Number	
Breed	
Birth Date	
Purchase Date	
Purchased From	
Purchase Price	
Weaning Date	

**Purchase Price:** \$ \_\_\_\_\_

**Required Management Practices**  
**(RMP)**

	Date Performed	Product or Method Utilized	Person(s) Performing Task	Cost
1st Vaccination (IBR/BVD)				
2nd Vaccination (IBR/BVD)				
Dehorning				
Castration				
Deworming				
Implanting (optional)				

**Total Costs of RMP \$** \_\_\_\_\_

*Remember to include receipts or box tops for vaccinations.*

**Dairy Feeder #2**  
**Project Information**

Name	
Ear Tag Number	
RFID Number	
Breed	
Birth Date	
Purchase Date	
Purchased From	
Purchase Price	
Weaning Date	

Purchase Price \$ \_\_\_\_\_

**Required Management Practices  
(RMP)**

	Date Performed	Product or Method Utilized	Person(s) Performing Task	Cost
1st Vaccination (IBR/BVD)				
2nd Vaccination (IBR/BVD)				
Dehorning				
Castration				
Deworming				
Implanting (optional)				

Total Costs of RMP \$ \_\_\_\_\_

*Remember to include receipts or box tops for vaccinations.*

## Feed Record & Expenses

Month	Type of Feed Used (Milk Replacer, Grains, Supplements, Treats, etc. Include ingredients, not just % of protein.)	Pounds of Feed per Day	Total Monthly Cost
January			
February			
March			
April			
May			
June			
July			

**Total Cost of Feed \$ \_\_\_\_\_**

*Remember to include receipts.*

## Other Expenses

Month	Veterinary Fees (Any other visits other than RMP, etc.)	Fair Fees (manure fees, scale fees, etc.)	Everyday Supplies (Feed pails, water buckets, boots, etc.)	Show Supplies (Halter, Show Stick, T Comb, Clothes, etc.)	Other Expenses (Please list.)	Total Monthly Cost
January						
February						
March						
April						
May						
June						
July						

**Total Cost of Other Expenses \$ \_\_\_\_\_**

*Remember to include receipts.*

## Financial Summary

### Estimated Gross Income (pre-sale)

*Estimate what you believe your animal(s) will weigh at weigh in and what your animal(s) are worth per pound for the Dairy Feeder Sale.*

*(Animal Weight x Price Per Pound = Gross Income)*

#### Dairy Feeder #1

Animal's Weight	
Price Per Pound	
Gross Income	

#### Dairy Feeder #2

Animal's Weight	
Price Per Pound	
Gross Income	

### Actual Gross Income (after-sale)

*Finish this section after fair with your actual sale data.*

*(Animal Weight x Price Per Pound = Gross Income)*

#### Dairy Feeder #1

Animal's Weight	
Price Per Pound	
Gross Income	

#### Dairy Feeder #2

Animal's Weight	
Price Per Pound	
Gross Income	

### Expenses

Purchase Price(s) Pages 2 & 3	
Total Costs of Required Management Practices Pages 2 & 3	
Total Cost of Feed Page 4	
Total Cost of Other Expenses Page 5	
<b>Total Expenses</b>	

**Estimated Net Profit or Loss:** \_\_\_\_\_

*(Estimated Gross Income - Total Expenses)*

**Actual Net Profit or Loss:** \_\_\_\_\_

*(Actual Gross Income - Total Expenses)*

## **Project Questions & Knowledge**

### **Junior - Ages 9-11**

1. Why did you choose to do a dairy feeder calf project?
2. What have you fed your calf since you had him?
3. What have you done to prepare your calf for the fair?
4. What is the biggest challenge you have encountered with your calf?
5. If you have shown a Dairy Feeder Project in the past, what did you do different this year? Was it better and did it help your final project? Why or why not?

## Project Question & Knowledge Junior - Ages 9-11

Choose 5 to answer: choose different definitions each year.

- |                      |       |   |
|----------------------|-------|---|
| 1. Calf              | _____ | A) Salt, Calcium, Phosphorus, Magnesium, Potassium, Sulfur  |
| 2. Ruminant          | _____ | B) A warm-blooded vertebrate animal with hair or fur that feed their young with milk and typically have live births |
| 3. Herd              | _____ | C) A young bovine animal, especially a domestic cow or bull in its first year of life                               |
| 4. Rumen             | _____ | D) Any animal that has four (4) stomach compartments  |
| 5. Mammal            | _____ | E) The second and largest compartment of a cow's stomach  |
| 6. Reticulum         | _____ | F) Father of a calf   |
| 7. Sire              | _____ | G) A group of cattle  |
| 8. Omasum            | _____ | H) A castrated male calf  |
| 9. Steer             | _____ | I) The time period from when a calf is conceived until the calf is born, usually 283 days                           |
| 10. Abomasum         | _____ | J) Mother of a calf   |
| 11. Dam              | _____ | K) The fourth compartment of the stomach also called the true stomach   |
| 12. Cud              | _____ | L) Partly digested food returned from the first stomach of ruminants to the mouth for further chewing.              |
| 13. Heifer           | _____ | M) First compartment of a cow's stomach   |
| 14. Trace Minerals   | _____ | N) A young female that has not given birth  |
| 15. Gestation Period | _____ | O) Third compartment of a cow's stomach that absorbs water from food  |
| 16. Major Minerals   | _____ | P) Copper, iodine, iron, manganese, selenium, zinc, molybdenum  |



## Project Question & Knowledge

### Junior - Ages 9-11

Match the number to the name of the disease to the blank by the symptom.

Age 9: Match 5.      Age 10: Match 8.      Age 11: Match 10

- |                      |       |  |
|----------------------|-------|--|
| 1. Warts             | _____ | A. This is a lameness in cattle where the lamina hoof wall and sole become very sore. Overgrown and malformed hooves often result.   |
| 2. Ringworm          | _____ | B. A swelling on the left side of the animal will occur. The excess gas is built up in the rumen and gas bubbles form and expand the rumen contents and interfere with nerves that control the opening into the esophagus. |
| 3. Laminitis         | _____ | C. Rapid, difficult breathing, cough, runny nose and eyes. Fever 103-106.  |
| 4. Acidosis          | _____ | D. Fourth Compartment of the stomach moves in the body cavity and twists preventing passage of feed. Limited passage of feces.   |
| 5. Bloat             | _____ | E. An infectious viral disease sometimes seen in young cattle.   |
| 6. Diarrhea (scours) | _____ | F. Caused by bacteria. This disease normally occurs when cattle have access to stagnant water holes. There is a break in the skin and the organism infects the wound.  |
| 7. Pneumonia         | _____ | G. Caused by a sudden shortage of blood calcium. Often occurs shortly after calving.   |
| 8. Milk Fever        | _____ | H. A contagious skin disease of cattle, that are 1 to 2 inches in diameter where hair is lost and a slightly raised crustiness appears.  |
| 9. Foot Rot          | _____ | I. This is a diet-related disease caused by a sudden increase in consumption of concentrated feeds. The feed contains a large amount of fermentable carbohydrates.   |
| 10. Twisted Stomach  | _____ | J. Watery feces, fever, sunken eyes.   |

## **Dairy Feeder Project Story**

### **Junior - Ages 9-11**

In one or two paragraphs; explain what you learned, what you enjoy about 4-H and your Dairy Feeder Project. Include photographs showing start to finish of your project. Use additional pages if necessary, especially for the photographs.