

HARDIN COUNTY DAIRY & DAIRY GOAT PROGRAM OBJECTIVES:



The purpose of a Dairy & Dairy Goat project is to achieve the following:

- ❖ To acquire an understanding of the animal industry by preparing for, purchasing, caring for and keeping records on one or more head of animals.
- ❖ To be able to identify the types of breeds of animals and employ efficient methods of production and marketing.
- ❖ To understand the business aspects and economics of purchasing animals, feed, facilities and equipment for an animal project.
- ❖ To develop integrity, sportsmanship, and cooperation.
- ❖ To develop leadership abilities, build character, and become responsible citizens.



As an exhibitor of this project I will agree to assume full responsibility for the care and well-being of this animal, keep accurate records and complete a project record book. In addition, I hereby certify that any drug, antibiotic or biological substance that is administered by myself or any other person is done in strict compliance with the manufacturer's label requirements and Quality Assurance Guidelines.

Signature of Youth Exhibitor: _____ Date: _____

Signature of Parent/Guardian: _____ Date: _____

As an active member of the _____, this record book has been completed by the above individual and is an accurate record of their project.

Signature of 4-H Club Leader: _____ Date: _____

Signature of 4-H Agent: _____ Date: _____

PROJECT GOALS

CHECK THE ACTIVITIES YOU PLAN TO COMPLETE AT THE BEGINNING OF YOUR PROJECT. SELECT AT LEAST (5) AND HAVE AN ADULT OR LEADER TO INITIAL AND DATE WHEN THEY HAVE BEEN COMPLETED. ATTACH ADDITIONAL PAGES IF NEEDED AS INDICATED BY THE ACTIVITY.

<u>PLAN TO DO</u>	<u>PROJECT ACTIVITIES</u>	<u>COMPLETED</u>
_____	1. Briefly describe (5) careers associated with your livestock Project.	_____
_____	2. Briefly describe (5) different livestock breeds (within your Project species) and list characteristics and origin of each	_____
_____	3. Give a demonstration at your county talk meet or club meeting On some of the following. <ul style="list-style-type: none"> • How to prepare a Show Supply Box • How to properly store, label and account for drugs & medicated feeds • Demonstrate how to create an ID system for your animal project • Demonstrate proper showing techniques and dress associated with your project 	_____
_____	4. Exhibit and sell your animal at the county fair, send a "Thank You" Note to buyers, award sponsors and anyone who helped you with your project.	_____
_____	5. Help a new member with their project and write a brief paragraph on what you did to assist that individual with their project.	_____
_____	6. Spend a day with a local veterinarian and write a brief paragraph on what you learned.	_____
_____	7. Read one or more related livestock project publications and write a brief paragraph on what you learned from it.	_____
_____	8. Participate at a judging or skillathon contest at the county fair, state contest or another county or district sponsored event.	_____
_____	9. Help a new member with his/her record book.	_____
_____	10. Assist a certified livestock club leader in teaching an educational activity.	_____
_____	11. Visit a local grocery store and make a list of (10) retail cuts and list the wholesale cut from which they came.	_____
_____	12. Attend a grooming, judging or skillathon clinic.	_____
_____	13. Seniors serve as a counselor at 4-H summer camp.	_____
_____	14. Serve as a club officer for your 4-H Club.	_____
_____	15. Help plan club activities and events. You must describe what you did.	_____

INDIVIDUAL ANIMAL IDENTIFICATION

Breed: _____ Birth Date: _____ Tattoo: _____

Name of Animal: _____ Reg. No. If Applicable: _____

Ear Tag: _____ Date acquired or purchased: _____

Name of Breeder or Previous Owner: _____

Address of Breeder or Previous Owner: _____

PICTURE OF DAIRY ANIMAL



Use this space to sketch or include one picture of each side (Left Side, Head Shot, Right Side)

PEDIGREE

COMPLETE AS MUCH AS POSSIBLE

<p>Sire</p> <hr/> <p style="text-align: center;">Name</p>	<p style="text-align: center;">Registration No. if applicable</p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Paternal Grandsire</td> <td style="width: 30%;">Reg. No.</td> </tr> <tr> <td colspan="2" style="height: 20px;"> </td> </tr> <tr> <td>Paternal Granddam</td> <td>Reg. No.</td> </tr> </table>	Paternal Grandsire	Reg. No.			Paternal Granddam	Reg. No.
Paternal Grandsire	Reg. No.							
Paternal Granddam	Reg. No.							
<p>Dam</p> <hr/> <p style="text-align: center;">Name</p>	<p style="text-align: center;">Registration No. if applicable</p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;">Maternal Grandsire</td> <td style="width: 30%;">Reg. No.</td> </tr> <tr> <td colspan="2" style="height: 20px;"> </td> </tr> <tr> <td>Maternal Granddam</td> <td>Reg. No.</td> </tr> </table>	Maternal Grandsire	Reg. No.			Maternal Granddam	Reg. No.
Maternal Grandsire	Reg. No.							
Maternal Granddam	Reg. No.							

NOTE: If you have more than one dairy animal, you may photocopy as many animal identification pages as you need to complete your record.

HARDIN COUNTY DAIRY & DAIRY GOAT RECORD BOOK

Name: _____ Age: _____ Birthdate: _____
(as of Jan 1)

Address: _____
(City) (State) (Zip)

Parent's Name: _____ Phone: _____

This record book is submitted as a **4-H** project.

Species: (please circle one): **DAIRY** **DAIRY GOAT**

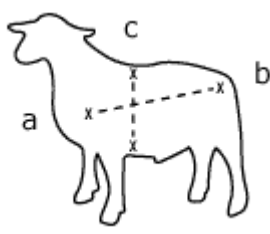
Date project began: _____ Date project ended: _____

BEGINNING INVENTORY OF ANIMALS:

NAME OR ANIMAL ID#	BREED	SEX	PURCHASED OR RAISED	BIRTHDATE	BIRTH WEIGHT OR WEIGHT AT PURCHASE	\$ VALUE AT START OF PROJECT
TOTAL:						

TAPE WEIGHT TABLE FOR YOUNG GOATS

Heart Girth Inches and Pounds							
(in.)	(lb.)	(in.)	(lb.)	(in.)	(lb.)	(in.)	(lb.)
10 ¾	5	17 ¼	19	22 ¾	42	28 ¼	75
11 ¾	6	17 ¾	21	23 ¼	45	28 ¾	78
12 ¾	7	18 ¼	23	23 ¾	48	29 ¼	81
13 ¼	8	18 ¾	25	24 ¼	51	29 ¾	84
13 ¾	9	19 ¼	27	24 ¾	54	30 ¼	87
14 ¼	10	19 ¾	29	25 ¼	57	30 ¾	90
14 ¾	11	20 ¼	31	25 ¾	60	31 ¼	93
15 ¼	12	20 ¾	33	26 ¼	63	31 ¾	97
15 ¾	13	21 ¼	35	26 ¾	66	32 ¼	101
16 ¼	15	21 ¾	37	27 ¼	69		
16 ¾	17	22 ¼	39	27 ¾	72		

<ol style="list-style-type: none"> 1. Measure the circumference (heart girth), making sure to part or compress the wool to ensure accurate measurement (distance C). 2. Measure the length of body (distance A-B). 3. Take the values obtained in Steps 1 and 2 and apply the following formula to calculate body weight: Heart girth x heart girth x body length divided by 300 = weight in pounds. 	
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(HEART GIRTH X HEART GIRTH X BODY LENGTH ÷ 300 = WEIGHT IN POUNDS)

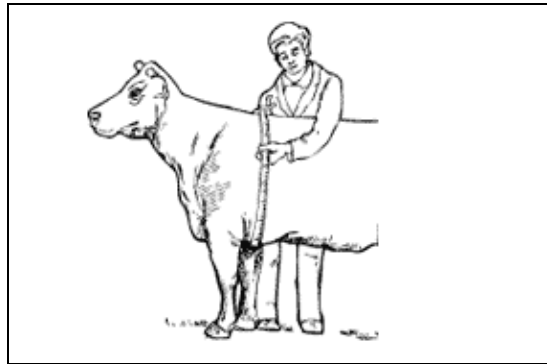
GROWTH RECORDS SUMMARY

DATE	ANIMAL #ID	AGE IN MONTHS	HG	X HG	X BL	÷ 300	= WEIGHT

HEART GIRTH MEASUREMENT AND WEIGHT FOR DAIRY CATTLE

Age in Months	Holstein & Brown Swiss		Ayrshire		Guernsey		Jersey	
	(in.)	(lb.)	(in.)	(lb.)	(in.)	(lb.)	(in.)	(lb.)
Birth	31	96	29½	72	29	66	24½	56
1 month	33½	118	32	98	31½	90	29½	72
2 months	37	161	35½	132	34½	122	32½	102
4 months	43½	272	42¾	236	41¼	217	38¼	181
6 months	50	396	48¼	340	47	304	44½	277
12 months	62½	714	59	583	58¼	549	56½	520
15 months	65¼	805	63	703	61¼	640	59	585
18 months	68½	912	66	781	65	727	61½	660
21 months	71½	1,025	68½	885	67½	816	64	740

1. Measure the circumference (heart girth) of the animal (see picture).
2. Use the table to calculate the average weight for the age within 95% accuracy.



GROWTH RECORDS SUMMARY

DATE	ANIMAL #ID	AGE IN MONTHS	HG INCHES	WEIGHT

LACTATION RECORD

(COMPLETE IF APPLICABLE)

Animal Name or Number: _____ Registration or Ear Tag Number: _____
 Breed: _____ Date of Birth: _____ Freshening Date: _____

MONTH	AVERAGE DAILY MILK PRODUCED (LBS)	AVERAGE DAILY FAT PRODUCED (LBS)	TOTAL MILK PRODUCED	TOTAL FAT PRODUCED	VALUE OF MILK	COST OF DHI TESTING
					\$	\$
					\$	\$
					\$	\$
					\$	\$
					\$	\$
					\$	\$
					\$	\$
					\$	\$
					\$	\$
					\$	\$
					\$	\$
					\$	\$
					\$	\$
					\$	\$
					\$	\$

(Gross Value of Milk) \$ _____

(Less Testing Expense) \$ _____

(Net Value of Milk) \$ _____

Price used to determine the value of milk = \$ _____
 (per 100 weight or per gallon)

(Duplicate this record if you have more than one lactating dairy animal.)

LEARNING EXPERIENCES

(Skillathons, Judging, Shows, Showmanship etc.)

DATE	TYPE OF EVENT/ACTIVITY	RIBBON		PRIZE MONEY (IF APPLICABLE)
TOTAL MONEY EARNED:				

RECORD OF ANIMALS SOLD OR KEPT

Date	Animal ID	Sold or Kept	Weight	\$ Sale Price	\$ Value if Kept	Total Value
TOTAL EARNED:						

FINANCIAL SUMMARY

EXPENSES:

1. Beginning Value or Cost of your animal(s) - (page 5) \$ _____
2. Total cost of feed expenses - (page 10) \$ _____
3. Total cost of miscellaneous expenses - (page 11) \$ _____
4. Total cost of veterinary expenses - (page 12) \$ _____
5. Equipment Inventory - (page 8) \$ _____
6. **TOTAL EXPENSES (Add lines 1, 2, 3, 4 & 5)** \$ _____

INCOME:

7. Value of animals sold or kept at end of project (page 15) \$ _____
8. Prize money earned (page 15) \$ _____
9. Value of milk sold (if applicable) (page 13) \$ _____
10. **TOTAL INCOME (Add lines 7, 8 & 9)** \$ _____
11. **NET PROFIT OR LOSS (Line 11 minus Line 6)** \$ _____

GROWTH SUMMARY OF ANIMALS: (REFER TO PAGE 6)

1. Starting weight of animal(s) _____
2. End weight of animal(s) _____
3. Total gain _____
4. Number of project animals on feed _____
5. Total gain per animal _____

PROJECT STORY OUTLINE

It will help if you make an outline for your project story first. It should include what you have learned about your animal, what safety practices you used in your project, what you could do to improve your project and the different skills that you used in your project. This is an outline form - complete sentences are not necessary. **Use this to write your story on the next page.**

I. Introduction - Introduce your story and capture the reader's first interest.

II. What did I learn?

- A.
- B.
- C.

III. What safety practices did I use?

- A.
- B.
- C.

IV. What improvements could I make?

- A.
- B.
- C.

V. What skills did I learn?

- A.
- B.
- C.

VI. Summary - Leave the reader with the idea or impression you want them to have.

COOPERATIVE EXTENSION SERVICE



UNIVERSITY OF KENTUCKY
College of Agriculture

HARDIN COUNTY COOPERATIVE EXTENSION SERVICE

**201 PETERSON DRIVE
ELIZABETHTOWN, KY 42701
PHONE: (270) 765-4121
FAX: (270) 769-0426**

WEBSITE: www.ca.uky.edu/hardin



BONNIE JOLLY
County Extension Agent for 4-H Youth Development
bsjolly@uky.edu

HARDIN COUNTY



18 U.S.C. 707

DAIRY &
DAIRY GOAT
RECORD BOOK

