

## HARDIN COUNTY BREEDING ANIMAL PROGRAM OBJECTIVES:



The purpose of a Livestock Breeding 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 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"> <li>• How to prepare a Show Supply Box</li> <li>• How to properly store, label and account for drugs &amp; medicated feeds</li> <li>• Demonstrate how to create an ID system for your animal project</li> <li>• Demonstrate proper showing techniques and dress associated with your project</li> </ul>	_____
_____	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 with club activities and events. You must describe what you did.	_____



# INDIVIDUAL ANIMAL IDENTIFICATION

Breed: \_\_\_\_\_ Birth Date: \_\_\_\_\_ Tattoo: \_\_\_\_\_

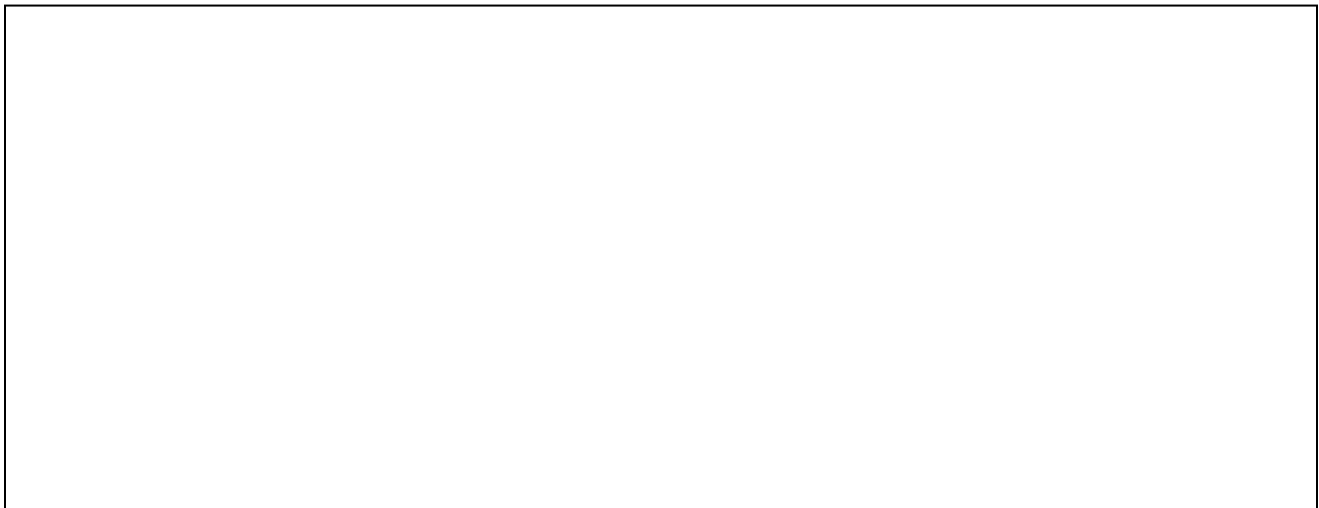
Name of Animal: \_\_\_\_\_ Reg. No. If Applicable: \_\_\_\_\_

Ear Tag: \_\_\_\_\_ Date Acquired or Purchased: \_\_\_\_\_

Name of Breeder or Previous Owner: \_\_\_\_\_

Address of Breeder or Previous Owner: \_\_\_\_\_

## PICTURE OF BREEDING 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

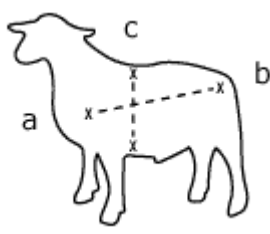
<p>Sire</p> <hr/> <p style="text-align: center;">Name</p>	<p style="text-align: center;">Registration No. if applicable</p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%; border-bottom: 1px solid black;">Paternal Grandsire</td> <td style="width: 30%; border-bottom: 1px solid black;">Reg. No.</td> </tr> <tr> <td style="border-top: 1px solid black;">Paternal Granddam</td> <td style="border-top: 1px solid black;">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%; border-bottom: 1px solid black;">Maternal Grandsire</td> <td style="width: 30%; border-bottom: 1px solid black;">Reg. No.</td> </tr> <tr> <td style="border-top: 1px solid black;">Maternal Granddam</td> <td style="border-top: 1px solid black;">Reg. No.</td> </tr> </table>	Maternal Grandsire	Reg. No.	Maternal Granddam	Reg. No.
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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.



## TAPE WEIGHT TABLE FOR YOUNG SHEEP & 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"> <li>1. Measure the circumference (heart girth), making sure to part or compress the wool to ensure accurate measurement (distance C).</li> <li>2. Measure the length of body (distance A-B).</li> <li>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.</li> </ol>	
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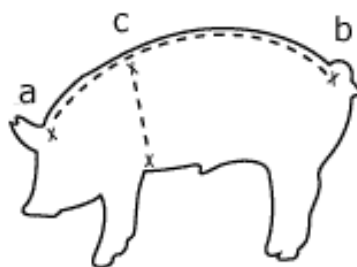
(HEART GIRTH X HEART GIRTH X BODY LENGTH ÷ 300 = WEIGHT IN POUNDS)

## GROWTH RECORDS SUMMARY

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

## SWINE WEIGHT

1. Measure the circumference (heart girth) of the animal (distance C).
  2. Measure the length of body (distance A-B) with the animal standing or restrained in the position shown.
  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 length divided by 400 = weight in pounds.
- Note:** For hogs weighing less than 150 lb., add 7 lb. to the figure obtained from the formula.

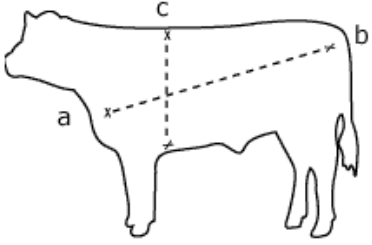


Measuring swine.

(HEART GIRTH X HEART GIRTH X BODY LENGTH ÷ 400 = WEIGHT IN POUNDS)

DATE	ANIMAL #ID	AGE IN MONTHS	HG	X HG	X BL	÷ 400	= WEIGHT

## BEEF WEIGHT

<ol style="list-style-type: none"> <li>1. Measure the circumference (heart girth) of the animal (distance C).</li> <li>2. Measure the length of body (distance A-B).</li> <li>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.</li> </ol>	 <p style="font-size: small;">Measuring beef cattle.</p>
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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



















## LEARNING EXPERIENCES

(Skillathons, Judging, Shows, Showmanship etc.)

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

## RECORD OF ANIMALS SOLD OR KEPT

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

# 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 12) \$ \_\_\_\_\_
4. Total cost of veterinary expenses - (page 13) \$ \_\_\_\_\_
5. Equipment Inventory - (page 9) \$ \_\_\_\_\_
6. **TOTAL EXPENSES (Add lines 1, 2, 3, 4 & 5)** \$ \_\_\_\_\_

## INCOME:

7. Value of animals sold or kept at end of project (page 18) \$ \_\_\_\_\_
8. Prize money earned (page 18) \$ \_\_\_\_\_
9. **TOTAL INCOME (Add lines 7 & 8)** \$ \_\_\_\_\_
10. **NET PROFIT OR LOSS (Line 10 minus Line 6)** \$ \_\_\_\_\_

## GROWTH SUMMARY OF ANIMALS: (REFER TO PAGE 6-8)

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.**

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**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.**

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COOPERATIVE EXTENSION SERVICE



UNIVERSITY OF KENTUCKY  
College of Agriculture

**HARDIN COUNTY COOPERATIVE EXTENSION SERVICE**

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**County Extension Agent for 4-H Youth Development**  
**[bsjolly@uky.edu](mailto:bsjolly@uky.edu)**

HARDIN COUNTY



18 U. S. C. 707

LIVESTOCK  
BREEDING  
RECORD BOOK

