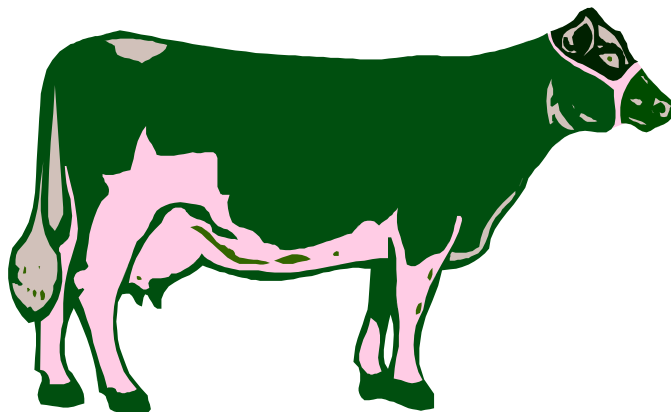


# Lake County Fair

## Dairy Animal Record Book



<hr/> <i>Exhibitor Name</i>				<hr/> <i>Project Year</i>	
<hr/> <i>Project</i>			<hr/> <i>FFA/4-H Club</i>		
<hr/> <i>Exhibitor Address</i>					
<hr/> <i>Date of Birth</i>		<hr/> <i>Age</i>	<hr/> <i>Grade</i>	<hr/> <i>No of years in same project</i>	
				<hr/> <i>Score</i>	<hr/> <i>Place</i>

P O Box 221 Eustis FL 32727  
(352) 357-7111 Fax: (352) 357-7347

**email:** lakecofair@aol.com

**website:** [www.lakecofair.com](http://www.lakecofair.com)

**Twitter:** [www.twitter.com/lakecofair](http://www.twitter.com/lakecofair)

## YOUR 4-H DAIRY PROJECT

This project will help you learn about dairy animals--how to select for good type, basic feeding, care and management techniques. You will also learn to teach others how to develop an outstanding project.

### **Primary Objective of the Dairy Project:**

- ◆ Become aware of the scope and economic significance of the dairy industry.
- ◆ Acquire skills in dairy production through ownership and care of dairy animals.
- ◆ Learn marketing, processing, distribution, consumption, and use of dairy products.
- ◆ Learn and practice principles of cleanliness and sanitation as applied to the production and care of dairy products.
- ◆ Learn the nutritive value of dairy products and promote their use.
- ◆ Appreciate contributions and applications of scientific research to the dairy industry.
- ◆ Develop sportsmanship, cooperation, decision-making ability, and public speaking skills through participation in demonstrations, tours, judging, and/or exhibits.

### **General Project Completion Guidelines**

- ◆ Plan project experiences using the Project Completion Guide. This should include: (A) Giving a project demonstration, and (B) Performing three or more activities related to the member's selected dairy project.
- ◆ Have access to a dairy animal.
- ◆ Complete a project record book. Members should maintain a record on their project animals as well as a record of their experiences within their selected dairy projects.

# YOUTH ANIMAL PROJECT AGREEMENT

THE ORIGINAL OF THIS PAGE MUST BE TURNED IN AT FINAL WEIGH-IN. COPY TO BE PUT IN RECORD BOOK.

## My Responsibility

I hereby certify that as the exhibitor of this project, I have personally been responsible for the care of this (these) animal(s), have personally kept records on this project, and have personally completed this record book. I understand that I am responsible for knowing all of the Rules and Regulations of this show.

I ACCEPT THESE RESPONSIBILITIES:

\_\_\_\_\_

Date

\_\_\_\_\_

Signed – Student

## PARENT/GUARDIAN RESPONSIBILITY

I/We, the parents certify that our son/daughter has completed this project and completed this record book and will comply with all the Rules and Regulations of this show.

\_\_\_\_\_

Date

\_\_\_\_\_

Signed – Parent or Guardian

## Advisor/Leader Responsibility

This student is an active member of the \_\_\_\_\_ FFA Chapter / 4-H Club, and is eligible to show livestock at the Lake County Fair. I verify that this record book has been completed by the student, and is an accurate representation of the project.

\_\_\_\_\_

Date

\_\_\_\_\_

Signed – FFA Advisor or 4-H Leader

## Drug Statement

I hereby certify that any drug, antibiotic or biological substance which may have been administered by myself, or any other person, was done so in strict compliance with the manufacturers' label requirements.

\_\_\_\_\_

Date

\_\_\_\_\_

Signed – Student

\_\_\_\_\_

Date

\_\_\_\_\_

Signed – Parent or Guardian

## ITEMS REQUIRED TO COMPLETE THIS RECORD

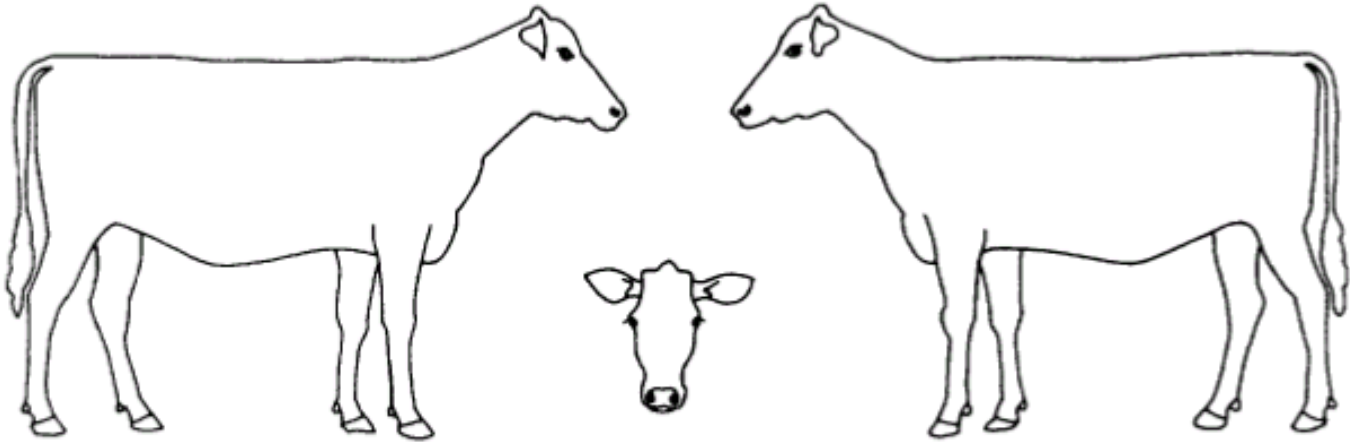
Cover Sheet.....	1
Individual Animal Identification.....	5
Growth Record Graphs .....	6
Growth Records Summary.....	8
Beginning Inventory of Animals .....	9
Beginning Equipment Inventory.....	10
Veterinary and Health Expenses Record .....	11
Breeding Record .....	12
Feed Record .....	13
Feed Record Summary.....	14
Lactation Record.....	15
Record of Show Receipts and Expenses.....	16
Record of Other Expenses .....	17
Progeny Record.....	18
Labor Record and Record of Animals Sold.....	19
Ending Inventory of Animals.....	20
Ending Equipment Inventory .....	21
Financial Summary .....	22
Project Summary.....	23-25
Pictures of Your 4-H Project.....	26
Four - H Story .....	27
Plans for Next year.....	28

Note: This Record Book is designed in a notebook format so that pages with limited space available for reporting multiple records can be easily photocopied.

**Individual Animal Identification**

Breed \_\_\_\_\_ Birth Date \_\_\_\_\_ Tattoo \_\_\_\_\_  
 Name of Animal \_\_\_\_\_ Reg. No. If Applicable \_\_\_\_\_  
 Ear Tag \_\_\_\_\_ Date Required \_\_\_\_\_  
 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.**

**PEDIGREE**

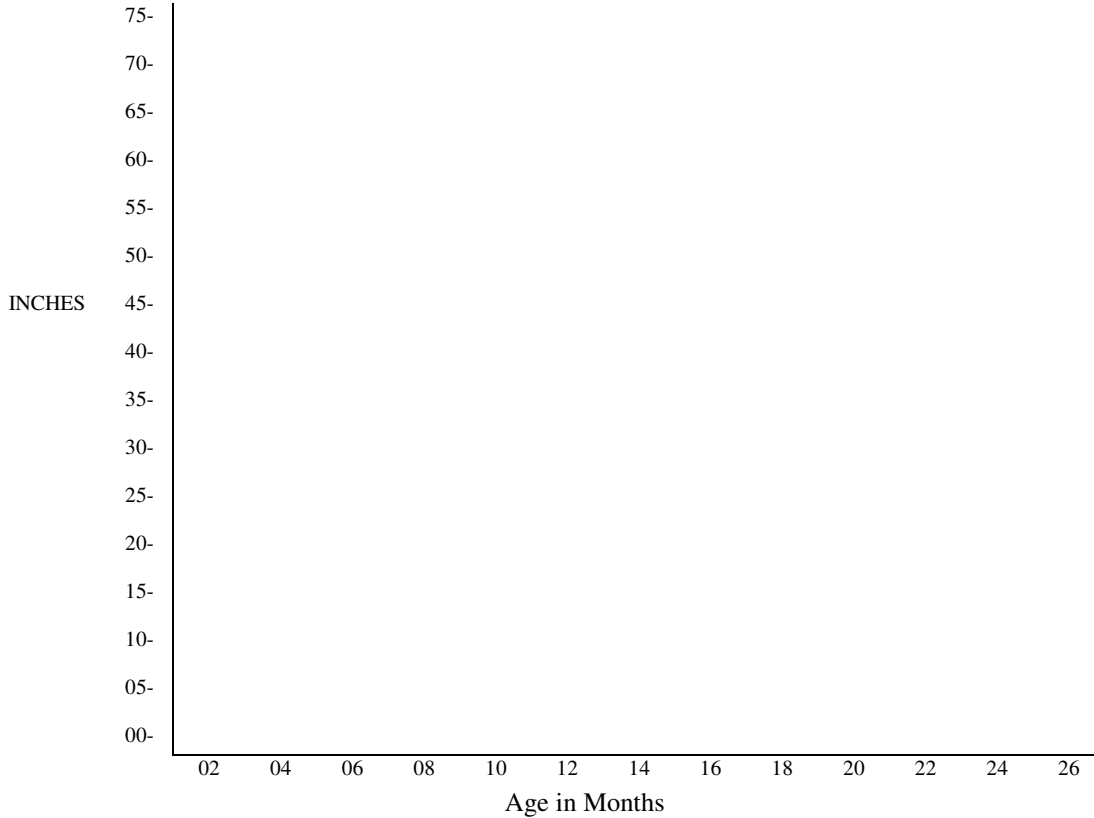
Complete as much as possible

<p><u>Sire</u></p> <hr/> <p style="text-align: center;">Name                      Registration No. if applicable</p>	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%; border: none;">Paternal Grandsire</td> <td style="width: 40%; border: none;">Reg. No.</td> </tr> <tr> <td colspan="2" style="border: none;"><hr/></td> </tr> <tr> <td style="border: none;">Paternal Granddam</td> <td style="border: none;">Reg. No.</td> </tr> </table>	Paternal Grandsire	Reg. No.	<hr/>		Paternal Granddam	Reg. No.
Paternal Grandsire	Reg. No.						
<hr/>							
Paternal Granddam	Reg. No.						
<p><u>Dam</u></p> <hr/> <p style="text-align: center;">Name                      Registration No. if applicable</p>	<table style="width: 100%; border: none;"> <tr> <td style="width: 60%; border: none;">Maternal Grandsire</td> <td style="width: 40%; border: none;">Reg. No.</td> </tr> <tr> <td colspan="2" style="border: none;"><hr/></td> </tr> <tr> <td style="border: none;">Maternal Granddam</td> <td style="border: none;">Reg. No.</td> </tr> </table>	Maternal Grandsire	Reg. No.	<hr/>		Maternal Granddam	Reg. No.
Maternal Grandsire	Reg. No.						
<hr/>							
Maternal Granddam	Reg. No.						

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

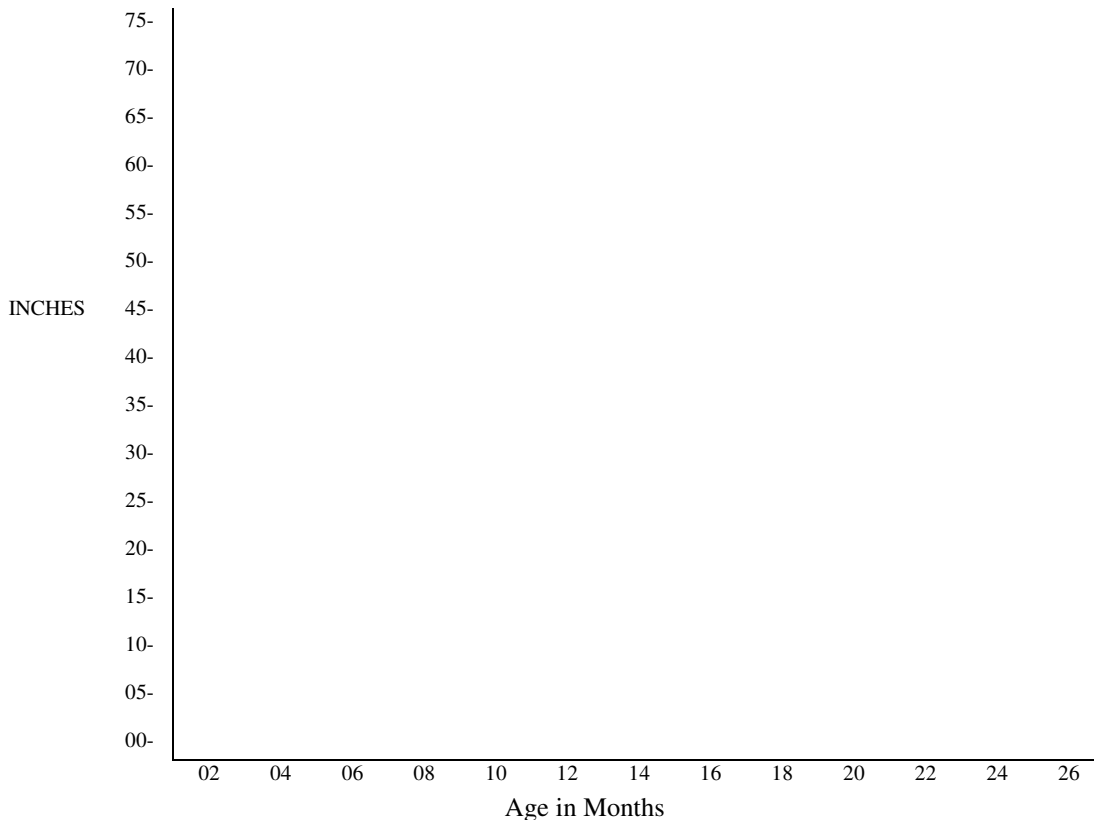
# GROWTH RECORD

## HEART GIRTH



1. Measure heart girth and height at withers of your animal at one month intervals.
2. Plot numbers on the charts (i.e. if your animal weighs 200 lbs. at two months, and is 40 inches in the heart girth, put a dot where two months and 40 inches meet.
3. Use this same procedure through to 18 months and then join the dots using straight lines.
4. Use different colored markers when putting more than one animal on a chart.
5. This growth record does not need to be completed on every animal, but once completed a few times, will teach you how to measure growth rate.

## HEIGHT AT WITHERS



## HEART GIRTH MEASUREMENT AND WEIGHT FOR DAIRY CATTLE

<u>Holstein and Brown Swiss</u>		<u>Guernsey and Ayrshire</u>		<u>Jersey</u>	
Heart Girth (inches)	Weight (pounds)	Heart Girth (inches)	Weight (pounds)	Heart Girth (inches)	Weight (pounds)
31	96	27	69	26	53
32	104	29	77	27	57
34	125	31	91	29	69
35	136	32	100	30	77
37	163	34	124	31	87
38	177	35	136	32	98
40	209	36	150	33	110
42	243	38	177	35	136
44	278	40	208	37	163
45	297	41	223	39	192
47	335	43	257	41	222
48	356	44	273	42	238
50	396	46	307	44	269
51	420	47	327	45	286
53	463	49	365	47	319
54	487	50	384	48	336
55	510	51	405	50	372
56	535	52	426	51	393
57	562	53	449	52	413
59	614	55	495	53	433
61	670	56	514	55	480
62	697	57	546	56	504
63	730	59	599	57	531
64	761	60	626	58	555
65	792	61	655	59	589
66	830	62	685	60	615
67	861	63	717	61	640
69	930	64	748	62	671
70	965	65	780	63	705
71	1003	66	815	64	736
72	1041	67	849	65	770
73	1080	68	882	66	804
74	1121	69	917		
75	1158	70	949		

## GROWTH RECORDS SUMMARY

### FIRST DAIRY ANIMAL

	<u>Age In Months</u>	<u>Lbs</u>	<u>Height at Withers</u>	<u>Height Girth</u>
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				

### SECOND DAIRY ANIMAL

	<u>Age In Months</u>	<u>Lbs</u>	<u>Height at Withers</u>	<u>Height Girth</u>
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				











## FEED RECORD

(Fill out one Feed Record and Summary per animal)

Weigh feed one day each month. Calculate pounds consumed, and total value of feed consumed per month. Record items in appropriate columns.

*MONTH	MILK OR REPLACER		CONCENTRATE MIX		HAY		OTHER FEEDS		DATE FEED WEIGHED	APPEARANCE OF ANIMAL (E,G,F,P)
	LB	VALUE	LB	VALUE	LB	VALUE	LB	VALUE		
YEARLY TOTAL										

\*START WITH THE FIRST MONTH OF THE PROJECT

## FEED RECORD SUMMARY

<u>FEED</u>	<u>YEARLY COST TOTAL</u>	<u>PRICES USED PER LB. FEED</u>
Milk or Replacer	\$	\$
Concentrate Mix	\$	\$
Hay	\$	\$
Other Feed	\$	\$
 TOTAL FEED COST PER YEAR (EXPENSES VALUE 6)	\$	

### DIRECTIONS FOR COMPLETING FEED RECORD

1. **POUNDS OF FEED** - This value represents the pounds of feed consumed by one animal on the date the feed was weighed, multiplied by the number of days in the month (i.e. 5 lbs. of concentrate mix was consumed on 2-18-86).  
  
5 pounds x 28 days = 140 lbs. of concentrate consumed in February.
2. **VALUE OF FEED** - This figure represents the average total value of pounds of feed consumed per animal per month (i.e. \$2.00 per lb. of concentrate mix → 2 x 140 lbs. = \$280.00).
3. **DATE FEED WEIGHED** - Select a random day each month to weigh the pounds of the different types of feed consumed by your project animal. Record this date in the appropriate column.
4. **APPEARANCE OF ANIMAL** - E = Excellent; G = Good; F = Fair; P = Poor.
5. **YEARLY TOTAL** - This figure represents the sum of the columns of lbs. of feed consumed per month, and the value of the feed consumed per month.
6. **PRICES USED PER POUND OF FEED** - This figure should represent the price per pound of feed used when calculating the value of each feed ingredient (i.e. \$2.00 per pound was the value used in the example).



## RECORD OF SHOW RECEIPTS AND EXPENSES

DATE	NAME OF EVENT (SHOW OR FAIR)	CLASS	PLACING	SHOW RECEIPTS PREMIUMS	INDIVID. PLACING	TEAM PLACING	SHOW EXPENSES INCLUDE TRAVEL, ENTRY FEES, ETC.	COMMENTS
							\$	

(Receipts Value 4) Total Show Receipts \$ \_\_\_\_\_

(Expenses Value 8) Total Show Expenses \$ \_\_\_\_\_



## PROGENY RECORD

ANIMAL NAME OR NO.	FRESHENING DATE	NO. MALE	NO. FEMALE	TATTOO	NAME(S)	REMARKS

## LABOR RECORD

(In Hours)

MONTH	FITTING GROOMING	SHOWMAN- SHIP	FEEDING	HEALTH/ BREEDING	MILKING	MAINT.	TOTAL
Total							

Comments concerning labor arrangements \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

1. Record time spent on dairy project.
2. If project animals are milked, fed, etc., by farm labor, or other family members, estimate what % of total labor was provided by other people.

### ANIMALS SOLD

DATE	NAME OR NO. OF ANIMALS SOLD	AMOUNT RECEIVED
		\$

(Receipts Value 6) Total Received \$ \_\_\_\_\_



## EQUIPMENT AT END OF PROJECT

EQUIPMENT DESCRIPTION	NUMBER PURCHASED	PRESENT VALUE
BRUSHES		\$
BUCKETS		
HALTERS		

Consider depreciation or appreciation of equipment where possible.

Example: A halter costs \$10.00 new and lasts for 10 years at which time it is worn out.

Depreciation per year = Original Cost ÷ No. of Useful Yrs. = \$10.00 ÷ 10 = \$1.00

Subtract \$1.00 for each year the halter is used. A halter which is 5 years old is worth \$5.00.

(Receipts Value 2) Total Value of Equipment at End of Project \$ \_\_\_\_\_

(Receipts Value 3) Total Ending Inventory (Sum of Receipts Values 1 & 2) \$ \_\_\_\_\_

## FINANCIAL SUMMARY

### Expenses

(Expenses Value 3) Total Beginning Inventory (Sum of Expenses Value 1 & 2)	\$ _____
(Expenses Value 4) Veterinary and Health Costs	\$ _____
(Expenses Value 5) Breeding Fees	\$ _____
(Expenses Value 6) Feed Costs	\$ _____
(Expenses Value 7) Cost of DHI Testing	\$ _____
(Expenses Value 8) Show Costs	\$ _____
(Expenses Value 9) Other Expenses	\$ _____
TOTAL EXPENSES	\$ _____

### Receipts

(Receipt Value 3) Total ending inventory (Sum of Receipts Value 1 & 2)	\$ _____
(Receipt Value 4) Show Premiums	\$ _____
(Receipt Value 5) Value of Milk produced	\$ _____
(Receipt Value 6) Animals Sold	\$ _____
TOTAL RECEIPTS	\$ _____

### LABOR INCOME OR PROFIT

TOTAL RECEIPTS - TOTAL EXPENSES = \$ \_\_\_\_\_

## PROJECT SUMMARY

List the demonstrations, talks, exhibits, newspaper articles, tours, workshops, camps, judging events, and field trips that were a part of your dairy project experience.

DATE	ACTIVITY	LEVEL			NUMBER OF TIMES
		CLUB	COUNTY	DISTRICT	

List your citizenship and community service accomplishments with the dairy project.

DATE	ACTIVITIES AND EVENTS

List your leadership accomplishments in the dairy project.

DATE	RESPONSIBILITIES

List awards, trips, medals, and other recognition received in this project.

DATE	RECOGNITION RECEIVED



## **PICTURES OF YOUR 4-H PROJECT**

If possible show:

- ◆ the beginning of your project
- ◆ work being done
- ◆ your completed project



What would you do differently with this project if you could do it over again?

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### PLANS FOR NEXT YEAR

Indicate the areas where you will be striving to increase your project skills and life skills:

_____ Selecting and Judging	_____ Fitting and Showing	_____ Decision Making
_____ Management	_____ Reproduction and Genetics	_____ Leadership
_____ Health	_____ Careers	_____ Public Speaking
_____ Feeds and Feeding	_____ Computers	_____ _____

Specific topics you plan to explore: \_\_\_\_\_

I plan to complete step \_\_\_\_\_ of the 4-H Dairy Advancement Program next year.

### PROJECT REVIEW AND COMMENTS

\_\_\_\_\_ has completed his/her records and I have  
(Name of Member)

reviewed them with him/her. \_\_\_\_\_

Comments by project leader or club leader: \_\_\_\_\_

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\_\_\_\_\_

Date

\_\_\_\_\_

Signed 4-H project or club leader

Reviewed and Updated by: James E. Umphrey  
Adapted From: Sandy Costello Extension Associate-Dairy Science  
B. Harris Jr., Ph.D., Prof. Nutr. Dairy Science