

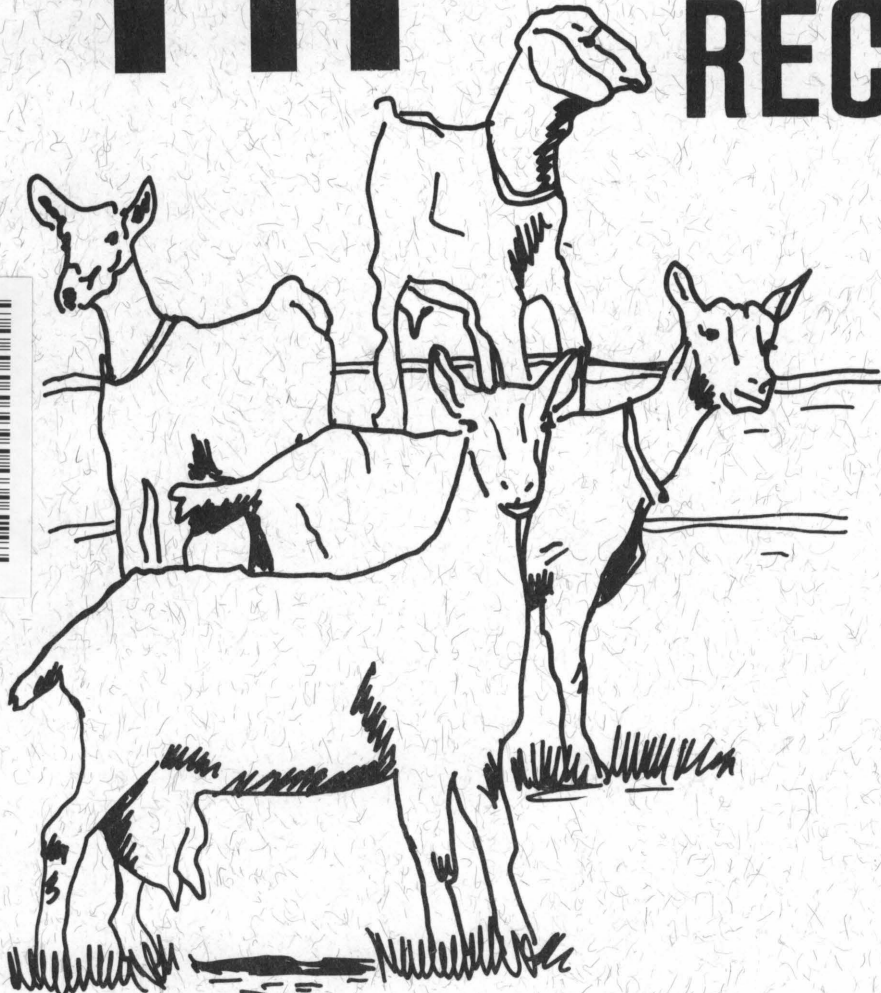
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4-H DAIRY GOAT RECORD BOOK

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Extension Division - Virginia Polytechnic Institute
and State University - Record Book 96

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4-H DAIRY GOAT PROJECT

OBJECTIVES

The purpose of the project is to help 4-H Club members to:

1. Gain knowledge and skill in the principles of animal selection, breeding, feeding, management, fitting and showing, marketing, record keeping and business transactions.
2. Promote and develop leadership and desirable traits of character.
3. Conduct demonstrations.
4. Develop a greater love of dairy goats and experience ownership responsibility.
5. Contribute towards the improvement of the dairy goat industry and profit by means of producing high quality dairy goats.
6. Enjoy the thrill and excitement of competition.
7. Prepare for the future by developing into leaders and responsible citizens.

REQUIREMENTS

1. Be a member of a junior or senior 4-H Club and attend meetings regularly. Also attend project group meetings regularly.
2. Follow the directions of the project leaders and Extension Agents.
3. Conduct a goat project.
4. Participate in activities and events related to the project.
5. Keep an accurate and up-to-date record book.

BEGINNING INVENTORY OF ANIMALS IN PROJECT AND
ANIMALS PURCHASED DURING THE PROJECT YEAR

Name or Number of Animals	Sex	Birthdate	Date Obtained	Wt. Lbs.	Value at start of this record or when bought during club yr.	Check	
						Kept	Sold

Total Value of Animals at Beginning of
Project \$***

BREEDING RECORD

SERVICE SIRE			FEMALE BRED				
Breed	Name	Reg. No.	Breed	Name	Reg. No.	Date Bred	Date Due

PRODUCTION RECORD

Name and Reg. No. of Dam	Date Off- spring Born	No. Born	Kept Sold (Check one)		Died	Value	Other Prod. info.

YOUR 4-H CLUB DAIRY GOAT

Name _____ Reg. No. _____

Date of Birth _____ Date Secured _____

Date Freshened _____

From whom did you purchase your kid:

Give Name _____ Address _____

Name of Dam _____ Reg. No. _____

Production Record of Dam:

Age	Milk	Butterfat
_____	_____	_____
_____	_____	_____
_____	_____	_____

YOUR 4-H CLUB DAIRY GOAT

Name _____ Reg. No. _____

Date of Birth _____ Date Secured _____

Date Freshened _____

From whom did you purchase your kid:

Give Name _____ Address _____

Name of Dam _____ Reg. No. _____

Production Record of Dam:

Age	Milk	Butterfat
_____	_____	_____
_____	_____	_____
_____	_____	_____

YOUR 4-H CLUB DAIRY GOAT

Name _____ Reg. No. _____

Date of Birth _____ Date Secured _____

Date Freshened _____

From whom did you purchase your kid:

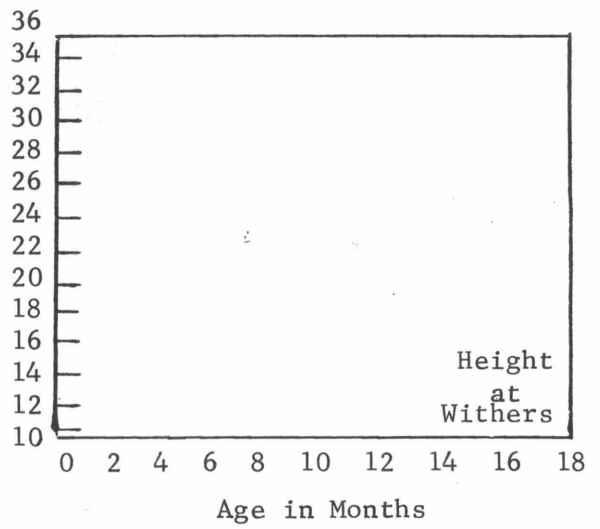
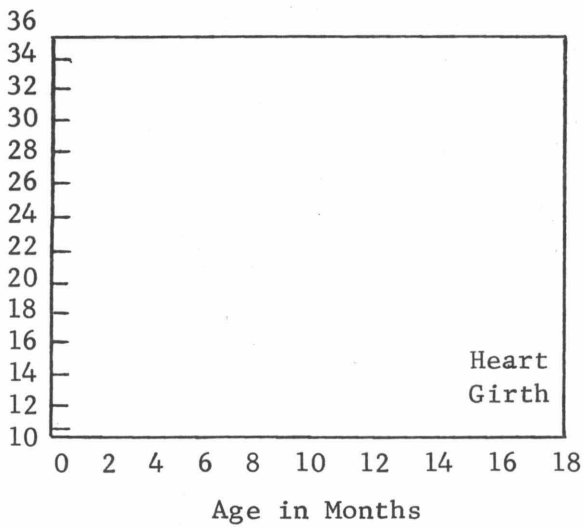
Give Name _____ Address _____

Name of Dam _____ Reg. No. _____

Production Record of Dam:

Age	Milk	Butterfat
_____	_____	_____
_____	_____	_____
_____	_____	_____

GROWTH RECORD



Your Kid

Your Kid

Age in Months	Heart Girth in Inches
1	_____
2	_____
3	_____
4	_____
5	_____
6	_____
7	_____
8	_____
9	_____
10	_____
11	_____
12	_____
13	_____
14	_____
15	_____
16	_____
17	_____
18	_____

Age in Months	Height in Inches
1	_____
2	_____
3	_____
4	_____
5	_____
6	_____
7	_____
8	_____
9	_____
10	_____
11	_____
12	_____
13	_____
14	_____
15	_____
16	_____
17	_____
18	_____

FEED RECORD

(Fill out each month)

	GRAIN		HAY		PULP or SIL.		PASTURE		Total Feed Cost \$ ¢	Value Product Over Feed Cost \$ ¢	Hours Feeding and Caring Per Mo.
	Lbs per Mo.	Value \$ ¢	Lbs per Mo.	Value \$ ¢	Lbs per Mo.	Value \$ ¢	Days per Mo.	Value \$ ¢			
Since last Freshening											
<u>OCT.</u>											
<u>NOV.</u>											
<u>DEC.</u>											
<u>JAN.</u>											
<u>FEB.</u>											
<u>MAR.</u>											
<u>APR.</u>											
<u>MAY</u>											
<u>JUNE</u>											
<u>JULY</u>											
<u>AUG.</u>											
<u>SEPT.</u>											
<u>TOTAL</u>											

Total Value of Products \$ _____ Total Feed Expenses \$ _____

Prices used to figure out the above chart:

Milk @ _____ a qt.

Grain @ _____ a lb.

Hay @ _____ a lb.

Pulp @ _____ a lb.

Pasture @ _____ a day

PRODUCTION RECORD

The production record is kept on the following pages and should be filled out each month by following the instructions below.

Column- following pages

- (1) Testing period--write in the month when fresh and then each succeeding month.
- (2) Pound of milk--approximately the same day each month weigh the milk morning and night.
- (3) Pounds of nights' milk (to nearest 0.1 lb)
- (4) Pounds of mornings' milk (to nearest 0.1 lb)
- (5) The sum of (3) and (4)
- (6) The number of days of the month milked
The record is started on the fourth day after kidding counting the kidding day as the first day. The first month after kidding is nearly always part of a month.
- (7) Multiply item (5) times item (6)
- (8) (a) Have milk tested at milk plant; or (b) test in an agricultural classroom; or (c) ask a DHIA tester to test the milk (take 1/4 cup sample from each, the morning and the evening milking and mix thoroughly).
- (9) Multiply item (7) times item (8)
- (10) Use price per lb if sold or put a retail value on it if used at home (1 quart weighs 2 lbs).
- (11) Multiply item (7) times item (10)
- (12) Take from the total feed costs per month column on the year feed record.
- (13) Subtract item (12) from item (11). If item (12) is larger than item (11), item (13) will be entered--minus and place a ring around the minus sum.

Add each month's figures to the previous month's total to date. Enter (in red) in the space marked total to date.

PRODUCTION

(1) Testing Period	(2) Lbs. of Milk		(5) Lbs. Milk Daily	(6) No. Days Milked	(7) Total Lbs. Milk	(8) Avg. Test %	(9) Lbs. Butterfat
	(3) P.M.	(4) A.M.					
	2.5	3.5	6.0	31	186	3.5	6.5
Total to Date	2.5	3.5	6.0	31	186	3.5	6.5
Total to Date							
Total to Date							
Total to Date							
Total to Date							
Total to Date							
Total to Date							
Total to Date							
Total to Date							
Total to Date							
Total to Date							
Total to Date							
Total to Date							
Total to Date							
Total to Date							

RECORD

(10)	(11)		(12)		(13)		(14)
Price Per Lb.	Value of Product \$ ¢		Cost of Feed \$ ¢		Value of Product Above or Below Feed Cost \$ ¢		Remarks:
.15	27	90	3	70	24	20	Sickness, date turned dry, date fresh, sex of kid, date bred and sire used These numbers in black EXAMPLE These numbers in red
.15	27	90	3	70	24	20	

PEDIGREE RECORD

NAME AND REGISTRATION NUMBER _____

Sire's Name and Number

Sire's Sire

Sire's Dam

Dam's Name and Registration

Dam's Sire

Dam's Dam

ANIMALS SOLD

Date	Name or No. of Animals Sold	Amount	Value
Total			

SHOW AND AWARD RECORD

Date	Where Shown or Type of Award	Name of Entry and Class	Placing	Premium	Show Expenses
Total					

MANAGEMENT RECORD

Trucking Expense	<u>Equipment & Supplies</u>		<u>Other Expenses</u>	
	Kind	Cost	Kind	Cost
TOTALS				

Total Management Cost \$ _____

HEALTH RECORD

Date	Kind of Expense (Breeding, testing, vet, etc.)	Cost
TOTALS		

Total Health Cost \$ _____

Total Expenses \$ _____
(Management & Health)

QUESTIONS TO BE ANSWERED DURING THE YEAR

1. What is a purebred goat? _____

2. Name two breeds of goats not included in the goat that you have.

3. What two things should you consider when buying your goat?

4. Where is a goat's withers? _____

5. Where is a goat's Heart Girth? _____

6. Your goat should be housed where she is protected against _____
_____ and _____
7. When may milk feeding the kid be discontinued? _____
Under what condition? _____

8. How often should the grain be weighed or measured? _____

9. What tools would you need to trim the feet? _____

10. How can you tell whether your kid should be dehorned? _____

11. How much grain should you feed yearlings that are on good pasture and/
or hay? _____
12. What should your free choice mineral mix contain? _____

13. What are the two most common health risks in goats? _____

14. When should young does be bred? _____

15. Where should your goat be at kidding time? _____

16. What part of your goat should be clipped before kidding? _____

17. How long a gestation period do goats have? _____

18. How many kids do mature goats usually have at one time?

QUESTIONS (cont.)

19. How long a time is usually needed to fit your goat for show?

20. What dairy characteristics should a dairy goat have? _____

21. How many days usually elapse between kidding and when milk is kept for human consumption? _____
22. How many months should your goat be in production? _____
23. How long a dry period should your goat have? _____
24. What is a good suggested winter ration for your goat? _____

25. Why should you feed any strong flavor feeds after milking rather than before milking? _____
26. Grain feeding is usually based on the rate of production. What is the suggested ratio of lbs. of grain to lbs. of milk?

27. Why should you use a strip cup before milking? _____

28. What is the most practical way of preventing bacterial growth in milk after milking? _____

My 4-H Dairy Goat Project

(Photographs)

Record of Demonstrations, Events, Things Learned

Date	Location	Type of Event	Results	Remarks

ROUND UP STORY

(Project story---Include beginning plans,
programs, results, future plans)

SUMMARY

Inventory of Animals on Hand at End of Project

Names or Number of Animal	Sex	Birthdate	Weight	(Check One)			Value at End of Project
				Original Animals	Raised	Pur- chased	

Value of animals on hand at End of
Project \$ _____

FINANCIAL SUMMARY

Expenses

Value of animals at beginning of project.	\$	
Total feed expenses.	\$	
Total management expenses	\$	
Total show expenses.	\$	
Total Expenses	\$	

Receipts

Value of animals at end of project	\$	
Total income from animals and products sold or used.	\$	
Total show and award premiums.	\$	
Total Receipts	\$	
Total expenses from above	\$	
Labor income or profit	\$	

Signature of Club Member _____

SUMMARY SHEET OF TOTAL COSTS

This summary sheet of total costs should be filled out at the end of the first and second year and completed after the goat completes her first lactation. Your yearly summaries are listed and when added together will show you the total investment you have in your goat with the exception of labor and some smaller items.

- (a) Total cost of the first year _____
- (b) Total cost of the second year _____
- (c) Total cost of raising to kidding
(a plus b) _____
- (d) Cost first lactation (third year) _____
- (e) TOTAL COST
(c plus d) _____
- (f) Value of milk produced _____
- (g) Value of kids born _____
- (h) Value of show placing _____
- (i) TOTAL VALUE OF RECEIPTS
(f plus g plus h) _____
- (j) DIFFERENCE + or -
(i minus e or e minus i) _____

BASIS OF AWARD FOR GOAT PROJECTS IN PRODUCTION

Items to be Scored	Perfect Score	Member's Score
Items related to care and management of animal:		
1. Animal appears to be healthy	5	
2. Animal is relatively clean and well cared for-- udder clipped and feet properly trimmed	5	
3. Animal will lead	2	
4. Stall and manger adequate and clean	2	
5. Good quality forages are fed	2	
6. Animal has access to fresh water at all times	2	
7. Grain is fed to balance animal's needs according to the roughages being fed. (Deduct for overfeeding as well as underfeeding)	2	
8. Good milking practices are followed	5	
9. Animal's production is high (7 points), satisfactory (5), low (2)	7	
10. Animal has been bred to a good registered buck and will kid again within 12 months	3	
Subtotal for animal's care		35
Items related to the club member:		
1. Feeds and cares for own animals	4	
2. Knows how to milk and milks own animal at least part of the time	4	
3. Knowledge of project	4	
4. Interest and attitude in project work	4	
5. Attendance at meetings	5	
6. Story of "Experiences With My Project"	4	
Subtotal for club member		25
Items relating to record book:		
1. Questions for the year answered correctly	5	
2. Milk record complete	5	
3. Feeding record complete	5	
4. Expense record complete	5	
5. General neatness of record book	5	
Subtotal for record book		25
Items relating to the roundup:		
1. Points awarded for animal's type	5	
2. Points awarded for club member's showmanship	5	
3. Points awarded for club member's fitting	5	
Subtotal for roundup		15
Total basis for award		100

Scored by _____

Date _____

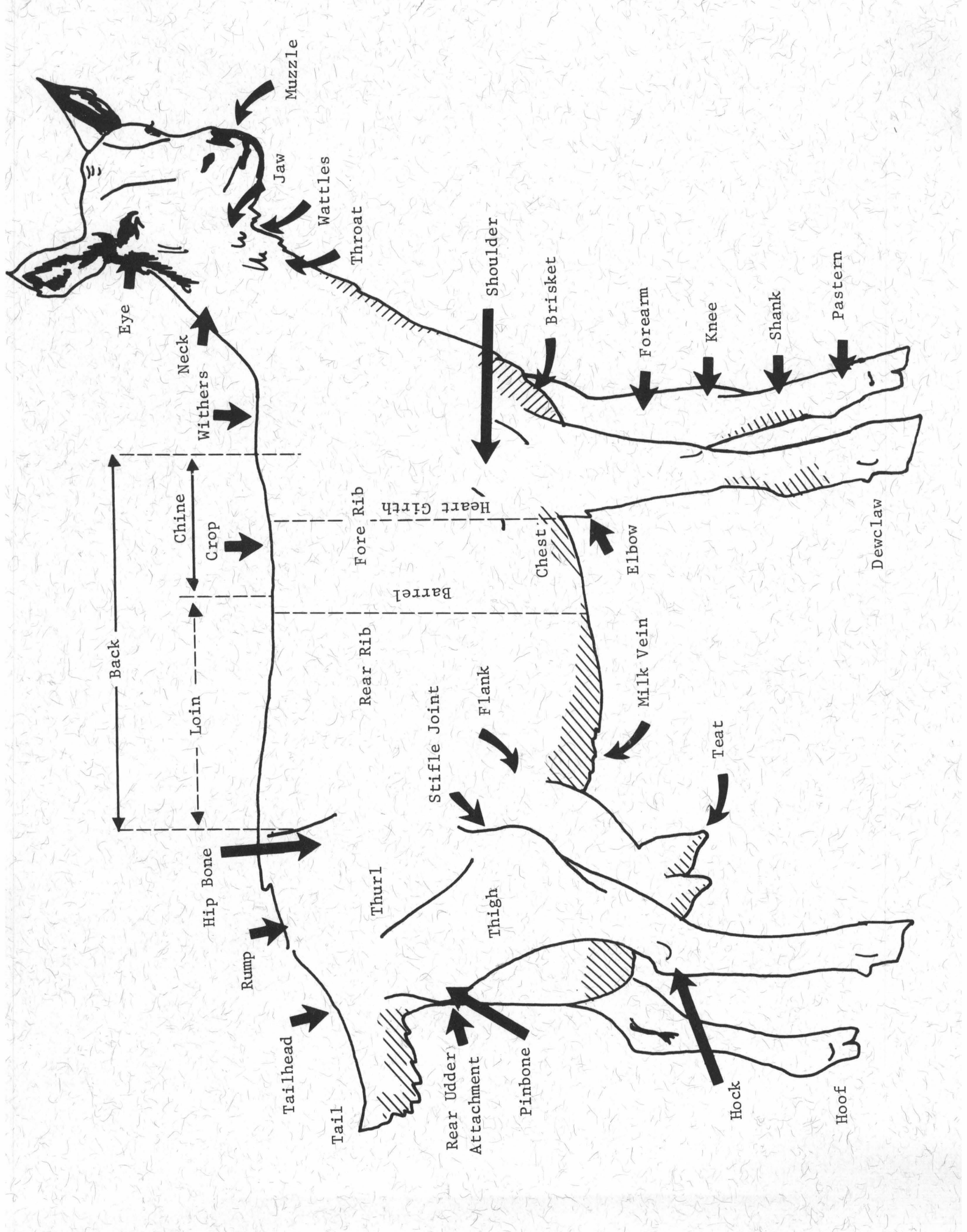
BASIS OF AWARD FOR NON-PRODUCTION GOAT PROJECTS

Items to be Scored	Perfect Score	Member's Score
Items relating to the care and management of animal:		
1. Pen and feed box and manger are adequate and clean	5	
2. Animal is relatively clean and well cared for, feed are kept trimmed properly	5	
3. Animal has been taught to lead	5	
4. Good quality hay is being fed	5	
5. Animal has access to fresh water at all times	5	
6. Animal appears healthy and shows no evidence of disease	5	
7. Animal's growth is adequate to height and heart girth measurements in growth record	5	
Subtotal for animal's care	35	
Items relating to the club member:		
1. Feeds and cares for own animal	5	
2. Knowledge of project	5	
3. Interest and attitude in project work	5	
4. Attendance at meetings	5	
5. Story of "Experiences with my Project"	5	
Subtotal for club member	25	
Items relating to the record book:		
1. Questions for the year answered correctly	5	
2. Growth record complete	5	
3. Feed record complete	5	
4. Expense record complete	5	
5. General neatness of record book	5	
Subtotal for record book	25	
Items relating to the roundup:		
1. Points awarded for animal's type	5	
2. Points awarded for club member's showing	5	
3. Points awarded for fitting of animal	5	
Subtotal for roundup	15	
Total basis for award	100	

Scored by _____ Date _____

_____ Date _____

_____ Date _____



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