

HOW TO FILL OUT THE 4-H DAIRY PROJECT RECORD

Page

1. Fill out the information it asks for, one photo may be added to the lower part of the page which pictures your project animal. This will be the cover sheet for your project, which may be submitted in a clear plastic folder.
2. This is your Pedigree Sheet. List your animal's sire and dam, and her grandsires and granddams.
3. This is your Management Record. Fill in the blanks at the top of the page (no registration numbers are needed for grade animals).

Sketch or put photographs of your animal in the space provided.

Health Record: Put all of the health information here including dates of veterinary examinations, types of vaccines given, diseases she has had and their treatment (e.g. scours, pneumonia), internal and external parasites (e.g. round worms, coccidia, lice, flies), and any other problems (e.g. foot rot, warts, ring worm), or treatments (e.g. dehorned, extra teats removed). One additional page may be added if needed.

Show Record: Shows she's been in, name of class and her placings.

Fill in the blanks on the bottom of the page as they apply.

4. **Calf Feed Record:** In this section you are to keep track of what your calf has been fed and the feeds' cost. For each month, keep track of how much of each feed your calf is fed. Add up how much of each feed is used (across the row) and put it under the heading "Total (lbs)". To figure out how much the total used of each feed was worth, multiply the number of pounds used by the value of the feed per pound. For example, a calf drinks 105 lbs. of whole milk over her first 5 weeks of life, and the milk is worth \$13.00/hundredweight (100 lbs of milk):

$$\begin{aligned} \text{Total used (lbs)} &= 105 \text{ lbs.} \\ \text{Cost per lb.} &= \$13.00/100 \text{ lbs.} = 13\text{¢/lb} \\ \text{Total cost or value} &= 105 \text{ lbs.} \times 13\text{¢/lb} = \$13.65 \end{aligned}$$

Do this for all feeds and then add up all the costs to find out how much it cost to raise the calf to 12 months of age.

Pasture quality: Poor, fair, good or excellent based on value of pasture as a forage supplement.

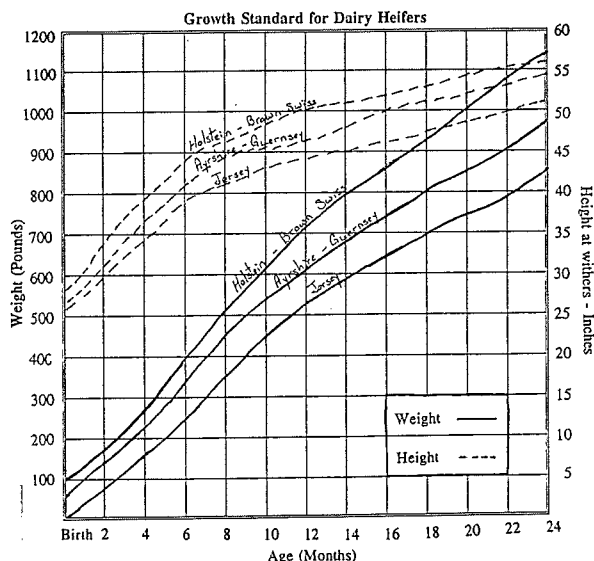
Note: If you are feeding a TMR, take the total pounds fed and multiply by the percentage of each feed ingredient to obtain an approximate pounds fed for each of the individual ingredients.

List any additional remarks about your feeding program in the space provided.

(over)

5. Tape your calf at birth and once a month through 24 months to find out how fast and well she's growing. Enter the birth and monthly weight and height in the chart.

Take the monthly weight and height measurements, and graph them out on the charts. Use a solid colored line for the weight and another colored dotted line for the height. See the grid below for an example. This will let you see how your heifer compares with the average for her breed. If you did not raise your heifer from birth and are unable to obtain accurate weight and height measurements start with the age at which you purchased the heifer.



6. This is your Milking Cow Feed Record. It's handled the same way as the Calf and Heifer Feed Records. The only difference is that you include her monthly milk weight (from DHI), figure out the value of the total milk produced, and subtract the cost of the feed from the value of the milk to see the net income over feed costs.

Note: If you are feeding a TMR, take the total pounds fed and multiply by the percentage of each feed ingredient to obtain approximate pounds fed for each of the individual ingredients.

7. This sheet is used to help you keep track of your cow's reproduction, calving and production records.

The "Lactation Production Summary" should be completed from the DHIA summary. Those not on DHIA should complete as much as possible.

The "Calving Record" needs the calving date, calf's name and eartag number, sex of calf, sire of calf, and what was done with the calf (e.g. sold, raised).

The "Breeding Record" requires that you keep track of dates the cow was bred, sire used, and after she's pregnancy checked, the date she's due to calve.

8. On this page is a graph on which to mark your cow's month by month milk weights, to compare her lactation curve to others.
9. This sheet is for your project story. Include any other information not already included in our record (e.g. new things you learned through your dairy project, any problems you may have had, clinic or outside dairy activities). One additional page may be added.
10. This is a summary of dairy activities, check all that you have participated in. Local refers to activities completed at the club level. Sign your project record and ask your club leader or parents to complete the comment section and sign your report. Submit your project record to the 4-H Office.
11. On the Worksheet for Daily Feeding you should record feed amounts daily in the rows provided. Monthly total should be transferred to page 4 for calf and heifer projects or page 6 for a cow. This worksheet is optional.

Senior _____

Junior _____

Allegany County 4-H Dairy Cattle Record Book

_____ 19 _____ through _____ 19 _____

Member's Name _____ Age (as of January 1) _____

Address _____ Zip Code _____

Phone _____ Name of Club _____

Number of years in 4-H _____ Number of years in dairy program _____

Animal's name _____ Animal's age at start of record _____

Breed of Cattle _____ Registration Number _____

(One photo may be attached here)

Name _____ Registry Number _____

Date of Birth _____ Birth Weight _____

Bred by _____

Address _____

A copy of breed pedigree is acceptable. (Staple to page)

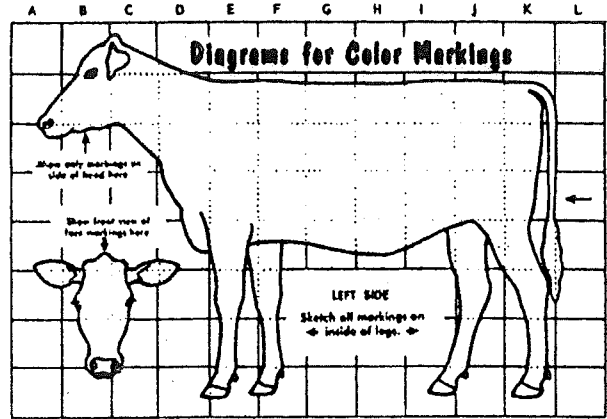
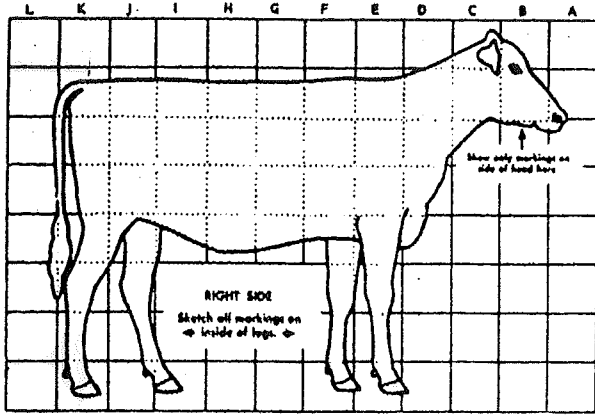


PEDIGREE



Name _____ Year _____

Management Records



Health and Veterinary Record

Date	Disease, Ailment or Test	Treatment and Remarks

(one additional page may be added for veterinary record)

Show Record: _____

Purchased from _____ Address _____

Date _____

Sold to _____ Address _____

Date _____

Date of Death _____ Cause _____

Date registry certificate canceled _____

Name _____ Year _____

Calf Feed Record (0-12 months)

Calf's Name _____

Feeds used per month:	Age of calf in months												For each feed	
	1	2	3	4	5	6	7	8	9	10	11	12	Total (lbs)	Total Cost
Whole Milk (lbs)														
Milk replacers (dry weight lbs)														
Calf starter (lbs)														
Grain mixture (lbs)														
Hay (lbs)														
Silage (lbs)														
Overall Total for 12 months														

Did your calf receive colostrum in the first 24 hours after birth? ___ Yes ___ No ___ Don't know
 Have you had your calf on pasture? ___ Yes ___ No
 At what age did the calf go on pasture? _____ Describe quality of pasture: _____

Heifer Feed Record (13-24 months)

Heifer's Name _____ Year _____ Are you feeding TMR? ___ Yes ___ No

Feeds used:	Age of heifer in months												For each feed	
	13	14	15	16	17	18	19	20	21	22	23	24	Total (lbs)	Total Cost
Hay type (lbs) 1.														
2.														
Silage type (lbs) 1.														
2.														
Grain mixture (lbs) 1.														
2.														
3.														
Minerals (oz)														
Check square if heifer was on pasture, indicate quality														
Overall Total for 13-24 months														

Feeding remarks: _____

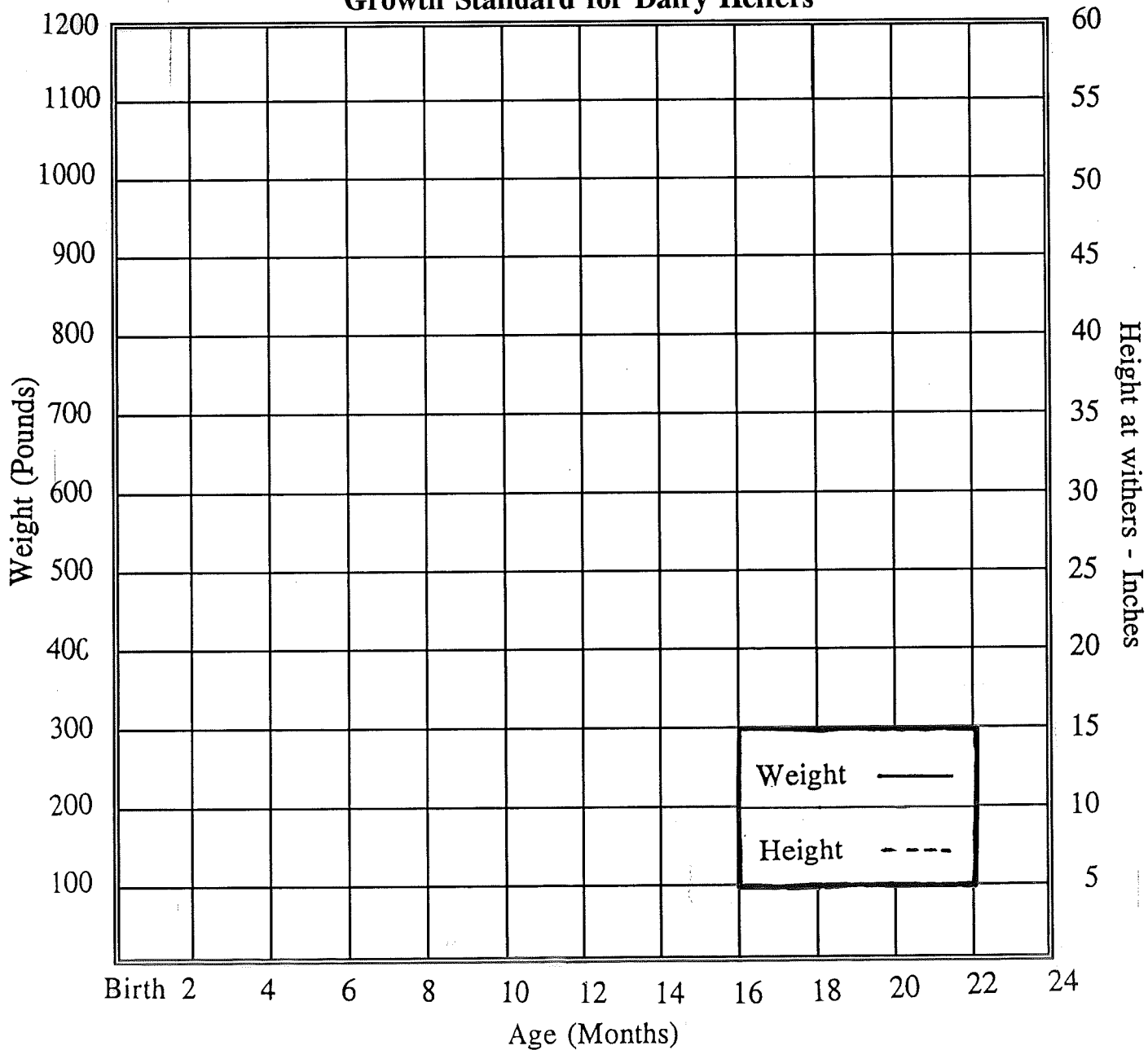
Name _____ Year _____

Birth weight of calf _____ lbs.

Weight/Height Chart

Age (Mths)	1	2	3	4	5	6	7	8	9	10	11	12
Wt. (Lbs)												
Height (Inches)												
Age (Mths)	13	14	15	16	17	18	19	20	21	22	23	24
Wt. (Lbs)												
Height (Inches)												

Growth Standard for Dairy Heifers



Name _____ Year _____

Cow's body weight at freshening _____ lbs.

Milking Cow Feed Record

Cow's Name _____ Are you feeding TMR? _____ Yes _____ No

Month of lactation _____

For feed & milk _____

Feeds used:	1	2	3	4	5	6	7	8	9	10	Total (lbs)	Total cost or value
Hay type (lbs)												
1.												
2.												
Silage type (lbs)												
1.												
2.												
Grain (lbs)												
1.												
2.												
3.												
4.												
Minerals (oz)												
1.												
2.												
Check square if cow was on pasture, indicate quality												
Milk weight (lbs)												
Overall Total (Feed Cost - Milk Value)												

Feeding Remarks: _____

Lifetime Breeding and Calving Record of Individual Cow

Cow's Name _____

Lactation Production Summary

Lact. No.	Type of Record	First 305 Days =									Complete Lactation C			
		Age at Calving (Mths)	Weight When Fresh	Days Dry Before Calving	Days Carried Calf	3X (X)	Milk	%	B. F.	S.N.F. or Protein	Days in Milk	Lactation/Lifetime Totals		Income Above F.C.
												Milk	B.F.	
1														
2														
3														
4														
5														
6														

Calving Record

Lact. No.	Date of Calving			Calf's Name and Eartag No.	Sex of Calf	Sire of Calf	Disposal of Calf
	Mo	Day	Yr				
1							
2							
3							
4							
5							
6							

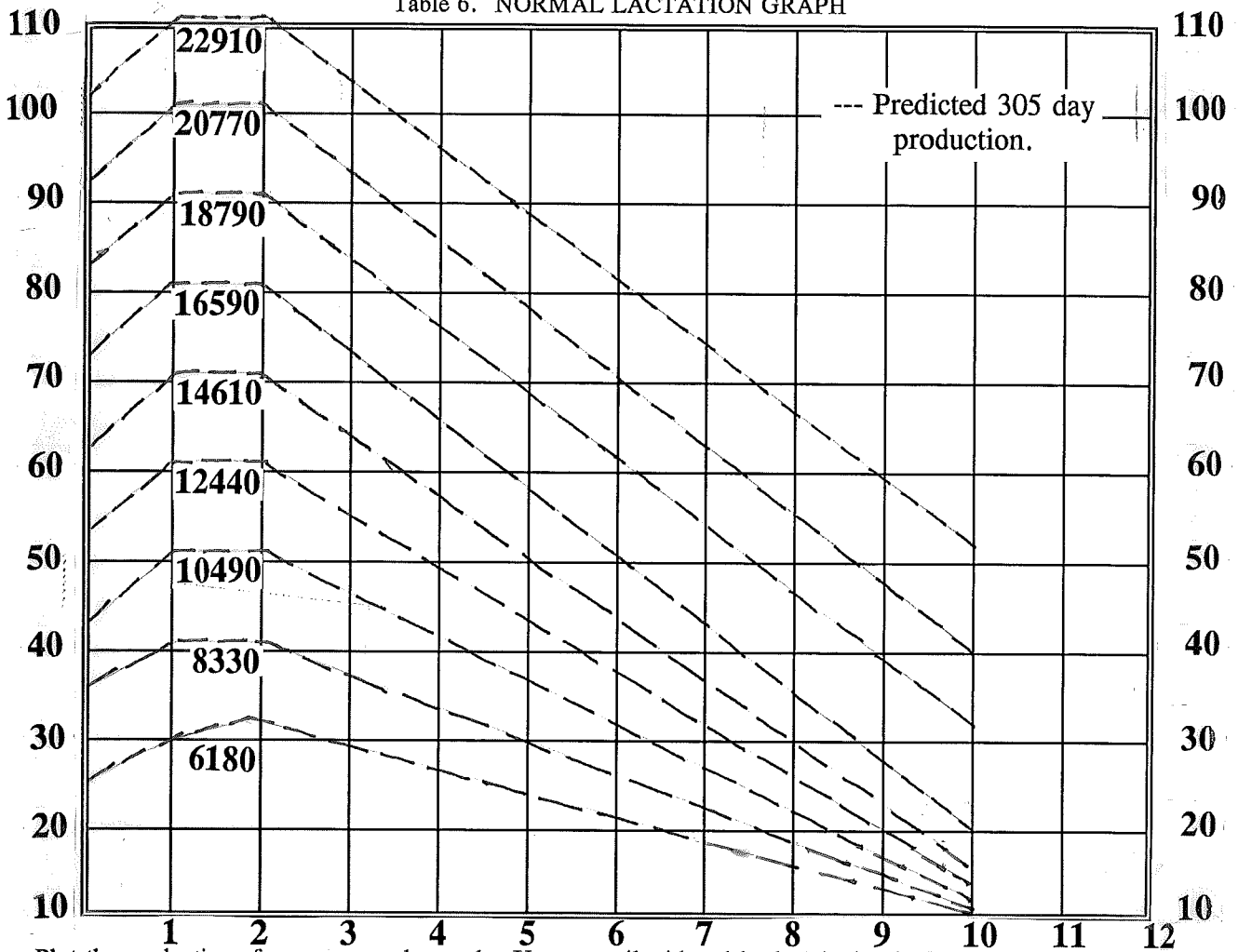
Breeding Record

Lact. No.	Date Bred	Sire Used	Date Bred	Sire Used	Date Bred	Sire Used	Date Bred	Sire Used	Date Due	Remarks
1										
2										
3										
4										
5										
6										

Name _____

Year _____

Table 6. NORMAL LACTATION GRAPH



Plot the production of your cow each month. Use a pencil with red lead. The level of production where your cow peaks will indicate her potential. Variations from the normal may indicate where improved feeding or management is needed.

In the following space, list any cause for low production or a sudden drop in production:

Summary of Activities

(Check all that apply)

Activity	Local	County	State	National
Dairy Bowl				
Dairy Olympics				
Dairy Products ID				
Dairy Judging				
Dairy Showmanship				
ETA Fund Raiser				
Demonstrations				
Harrisburg National				

* 4-H members acting as junior leaders or coaches should indicate so by placing a JL or JC in above matrix.

Dairy project members are encouraged to submit complete personal progress reports and yearly updates along with this record.

I, _____, certify that I have completed this record and that all the information is true and accurate to the best of my knowledge.

Member's Signature _____

Leader's Comments: _____

Leader's Signature _____