



University  
of Vermont

Extension  
College of Agriculture and Life Sciences



# UVM Extension 4-H Dairy Project Record

Name: \_\_\_\_\_

Club Name: \_\_\_\_\_

Number of years in this project: \_\_\_\_\_

Circle type of project:                      Club                      Independent

Leader(s)/Mentor(s) Name: \_\_\_\_\_

Member Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Leader/Mentor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

*Written and compiled by Wendy Sorrell, State 4-H Livestock Educator; Martha Manning, Franklin/Grand Isle County 4-H Educator; and Robin Severy, Addison County 4-H Educator.*

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## Why keep a Dairy Record?

- ✓ You will be able to set and record reachable goals for yourself.
- ✓ Keeping records will help you remember the fun you had.
- ✓ Record keeping is a great way to develop your skills and organize your time.
- ✓ The information in your record will give you a chance to look back on your year and help you decide what you want to change for next year.
- ✓ Your record will be a way to share your project with others.

## Record Book Instructions

- ✓ Keep your record book up to date. (It makes record keeping easier).
- ✓ Read through this record book before you start recording information.
- ✓ If you have questions, ask for help from other members, your parents, leaders or 4-H staff.
- ✓ Be creative; make the record book interesting and add your own personal touch.
- ✓ Each animal that you are showing needs a complete set of records. Add pages as you need them.
- ✓ This record book may be adapted for one or more animals in your Dairy project.
- ✓ Included on some pages are life skills that can be more fully developed.

**PROJECT GOALS (AT START OF PROJECT)**

Date\_\_\_\_\_

State at least three goals at the beginning of your 4-H project year. Tell the things you want to learn from your 4-H dairy project. Please discuss these goals with your leader.

1. \_\_\_\_\_

\_\_\_\_\_

2. \_\_\_\_\_

\_\_\_\_\_

3. \_\_\_\_\_

\_\_\_\_\_

Member signature\_\_\_\_\_ Leader Signature

\_\_\_\_\_

**HOW ARE YOU PROGRESSING WITH YOUR GOALS SO FAR (This should be completed before your interview).**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**SUMMARY OF ACCOMPLISHMENTS – At end of project year.**

What goals have you accomplished? If you have not accomplished one or more, please explain.

What have you learned? Tell of your experiences this year.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Member signature\_\_\_\_\_ Leader signature

\_\_\_\_\_

*Life Skills – Goal Setting, Decision Making*

## GENERAL INFORMATION

Name of animal \_\_\_\_\_

Birth date \_\_\_\_\_ Breed \_\_\_\_\_

Is your animal registered? Yes \_\_\_\_\_ No \_\_\_\_\_  
Registration number \_\_\_\_\_ Ear tag or tattoo ID number \_\_\_\_\_

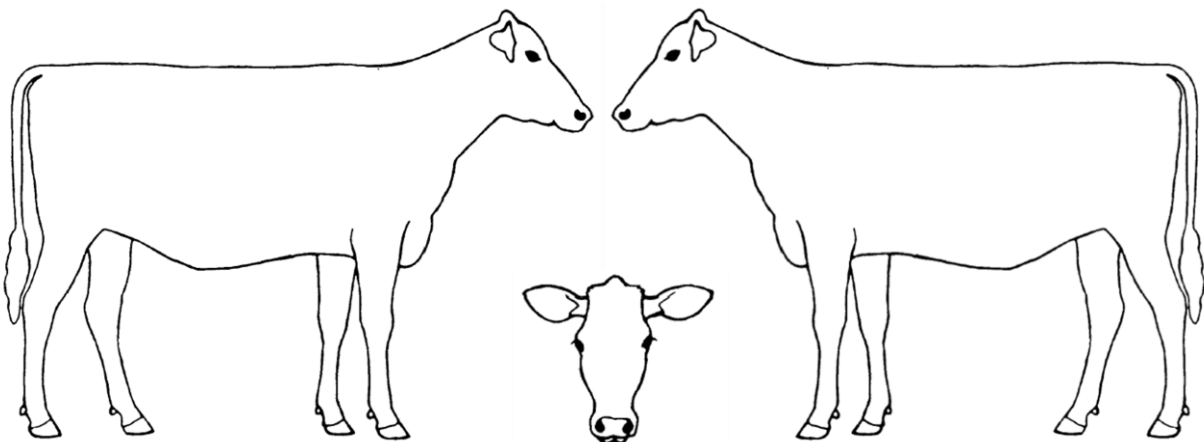
Do you own this animal? Yes \_\_\_\_\_ No \_\_\_\_\_

If not, owner's name \_\_\_\_\_ (Attach copy of lease)

### Pedigree Names only.

Sire	Paternal Grandsire
	Paternal Granddam

Dam	Maternal Grandsire
	Maternal Granddam



Please sketch your animal (silhouette provided by UW-Madison).or attach identification photos.

*Life Skill – Record Keeping*

Animal name \_\_\_\_\_

**Health and Management Record:** List dates action taken.

Year \_\_\_\_\_ Year \_\_\_\_\_ Year \_\_\_\_\_ Year \_\_\_\_\_ Year \_\_\_\_\_

Dehorned					
Wormed					
IBR/BVD/PI3					
Remove extra teats					
Leptospirosis					
Brucellosis					
Rabies					
Feet Trimmed					
Other					
Other					

Veterinarian Name \_\_\_\_\_ Phone \_\_\_\_\_

**Record of Fairs and Shows**

Date	Name of show	# in class	Placing & Ribbon	Entry Fees	Premiums (optional)

*Life Skills – Planning and Organizing*

## **PICTURES OF YOU AND YOUR ANIMAL**

## Feed and Bedding Expenses

Name of animal \_\_\_\_\_ Year \_\_\_\_\_

Age of animal (months) \_\_\_\_\_ at start of project.

	Lbs. of Grain	Cost	Lbs. Of Hay	Cost	Pasture Value	* other feed	Cost	Bedding	Cost	<b>TOTAL COST</b>
<b>September</b>										
<b>October</b>										
<b>November</b>										
<b>December</b>										
<b>January</b>										
<b>February</b>										
<b>March</b>										
<b>April</b>										
<b>May</b>										
<b>June</b>										
<b>July</b>										
<b>August</b>										
<b>TOTALS</b>										

\*TMR, Beet Pulp, Minerals, Corn Silage, etc.

*Life Skills – Critical Thinking, Problem Solving*



## Dairy Cattle Breed Averages for Height and Weight

Animal # \_\_\_\_\_ Animal name \_\_\_\_\_ Year \_\_\_\_\_

Age in Months	Holstein and Brown Swiss		Ayrshire, Milking Shorthorn, and Guernsey		Jersey		Project Animal	
	Inches	Pounds	Inches	Pounds	Inches	Pounds	Inches	Pounds
At birth	29	96	27	70	26	55		
2	34	170	32	130	30	115		
4	39	270	37	230	34	195		
6	44	370	41	320	39	275		
8	46	500	44	400	41	385		
10	48	600	45	505	43	460		
12	50	700	46	600	44	520		
14	51	800	48	680	45	575		
16	52	900	50	770	46	630		
18	53	990	51	860	47	730		
20	54	1,050	52	910	48	800		
22	55	1,175	53	1,050	50	875		
24	56	1,300	54	1,150	51	960		

Helpful Hint:

- Measure and weigh project animal every month and record and plot on chart.

Remember to add an additional page(s) for additional animal(s).

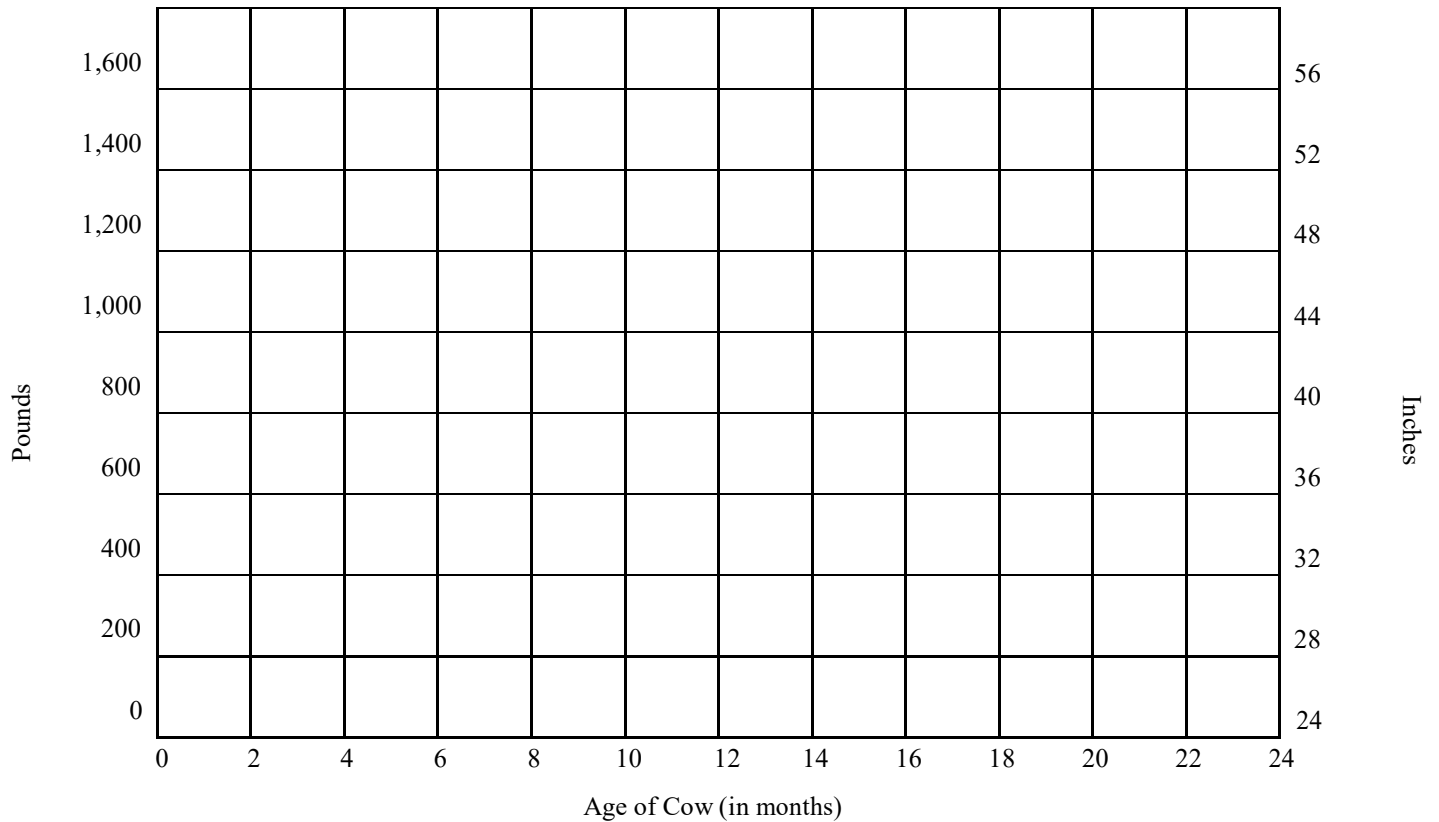
*Adapted from chart produced by the University of Florida*

*Life Skill – Record Keeping*

## Heifer Growth Chart

Animal # \_\_\_\_\_ Animal name \_\_\_\_\_ Year \_\_\_\_\_

\_\_\_\_\_  
(specify breed)



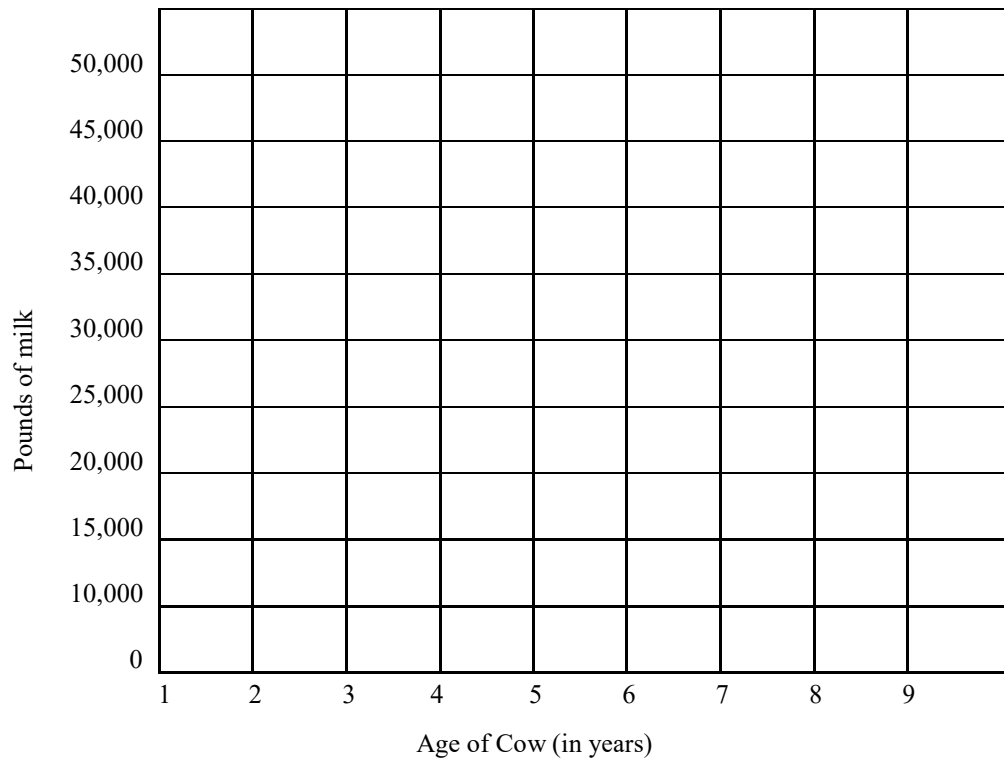
### Helpful Hints:

- ✓ — — — to be used to track HEIGHT.
- ✓ \_\_\_\_\_ to be used to track WEIGHT.
- ✓ Connect the plots to see how your animal is growing.
- ✓ Use one chart per animal for which you are keeping records.

Remember to add an additional page(s) for additional animal(s).

## Lactation Curve

Animal # \_\_\_\_\_ Animal name \_\_\_\_\_ Year \_\_\_\_\_



### Helpful Hints:

- ✓ Record the total amount of milk your cow has produced during each year since she first calved.
- ✓ Connect points to see how your cow's milk production has changed.
- ✓ If your cow is first calf heifer, there will only be one plot.
- ✓ Use one chart per animal for which you are keeping records.

*Life Skill – Record Keeping*

## Breeding and Calving Record

Animal name \_\_\_\_\_ Year \_\_\_\_\_

Days in heat: \_\_\_\_\_

Dates Bred	Service Sire	Pregnancy Checked ?	Date Due

How did the "Service Sire " get chosen? \_\_\_\_\_

\_\_\_\_\_

What did you look for when choosing a sire? \_\_\_\_\_

\_\_\_\_\_

What breeding method was used? \_\_\_\_\_

\_\_\_\_\_

Calving Date \_\_\_\_\_ Sex of Calf: \_\_\_\_\_ Male \_\_\_\_\_ Female \_\_\_\_\_

Raised, sold, or died? \_\_\_\_\_ Ear Tag or Tattoo \_\_\_\_\_

Value of calf sold \_\_\_\_\_

What procedures were used at the time of birth to ensure the well being of the newborn calf?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

*Life Skills – Planning and Organizing, Managing*

## **PRODUCTION SUMMARY**

**Animal #** \_\_\_\_\_ **Animal name** \_\_\_\_\_ **Year** \_\_\_\_\_

Age at calving	Date fresh	Days in milk	Pounds of milk	% fat	Pounds fat	% protein	Pounds protein	Somatic cell count	Value of product

- ✓ What type of milking system is being used? \_\_\_\_\_
- ✓ How many times a day is the milking done? \_\_\_\_\_
- ✓ What type of recordkeeping system does the farm keep for milk production (Vt. DHIA, bulk tank weights, other)? \_\_\_\_\_
- ✓ If applicable; how do you track an individual cow's production when only bulk tank weights are used? \_\_\_\_\_
- ✓ Name the kind of housing and feed management system used for your cow (free stall, tie stall, rotational pasturing, seasonal herd, etc.) \_\_\_\_\_

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*Life Skills – Planning and Organizing, Managing*

## Income and Expense Summary

Year \_\_\_\_\_

Description of Income or Expense	Income	Expense
Value of product for current year*		
Value of animal(s) sold**		
Premiums		
Other		
<b>Total Income</b>		
Entry Fees – Fairs/shows		
Feed Costs		
Bedding Costs		
Purchase or Lease Fees		
Vet Fees		
Breeding Fees		
Trucking Fees		
ID / Registration / Transfer Fees		
Other		
<b>Total Expense</b>		
<b>Profit or Loss</b>		

\*From Production Summary

\*\*From Breeding and Calving Record

*Life Skills – Marketable Skills, Planning and Organizing*

## Animal Inventory

Year \_\_\_\_\_

List all animals owned/leased by member. .

Animal I.D.	Beginning Project Date	Beginning Value *	Value at _____ **	End of Project Date	Value at End of Project

\*For beginning value, research to determine how much your animal is worth (ask a vet, farmer, 4-H educator or breeder).

\*\*Fill in the date when your record book is due for judging.

Explain how you calculated the value of the animal? (Seniors only)\_\_\_\_\_

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*Life Skills – Marketable Skills, Record Keeping*

## My Work

Describe your daily or weekly labor routine including feeding, cleaning, barn work, etc. These are the jobs you do every day or week. Tell how you help at the farm and what your responsibilities are. Be sure to include preparation for events.

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Place picture of farm here.  
(Optional)

*Life Skill – Self-responsibility*





Dairy activities I have participated in without my animal:  
*Include club project meeting work, knowledge contests, workshops, etc.*

Description of activity	Date of activity	Location	Level of activity: Club, County, Regional, State
<i>Examples: Quiz Bowl</i>	<i>March 17, 2012</i>	<i>VTC</i>	<i>State</i>
<i>Learned the parts of a dairy cow</i>	<i>April 2012</i>	<i>My leader's house</i>	<i>Club</i>

Dairy activities I have participated in without my animal:  
*Include club project meeting work, knowledge contests, workshops, etc.*

Description of activity	Date of activity	Location	Level of activity: Club, County, Regional, State

Date	<b>PROJECT PRESENTATIONS DONE OUTSIDE THE CLUB SETTING:</b> This section should include any visual or verbal presentations you developed and conducted that shared project skills, knowledge, or information with an audience outside your club.  <b>Describe what kind of presentation (ex: poster, tabletop, talk), the specific topic, and where it was presented.</b>	Time Spent	Activity Expenses

# VT 4-H DAIRY PROJECT RECORD BOOK SCORESHEET

Page/Section/Points	Completeness & Accuracy & Comments	Score
<b>4-H MEMBER RECORD: 10</b> ✓ 4-H Activities ✓ Activities and Events ✓ Leadership ✓ Community Service ✓ Presentation/Communication Skills ✓ School & Community Activities		
My 4-H Story - 10		
<b>DAIRY RECORD SECTION</b>		
Project Goals - 5		
Gen. Info & Pedigree- 10		
Health & Management-10		
*Record-Fairs & Shows (5)		
*Lease/ID (5)		
Feed & Bedding Chart – 10		
Height & Weight – 5		
Growth Chart - 5		
*Breeding & Calving (5)		
*Lactation Curve & Production Summary(5)		
Income & Expenses Summary - 10		
Animal Inventory - (5)		
'My Work' - 10		
Neatness – 5		
Pictures & Titles - 5		
Interview - 20 knowledge of project & communication skills		

\*( ) items may not apply to all members

score received

Possible score = %

To participate in the **State Dairy Show**: member must have completed at least two:

\_\_\_Community Service, \_\_\_Committee, \_\_\_Fund-raiser, \_\_\_County events, \_\_\_Demo/Talk/Report

Seniors must also show they participate in one of the following:

\_\_\_ State Dairy Quiz Bowl, \_\_\_ State Dairy Judging, \_\_\_Mentoring, \_\_\_ Dairy Challenge

Name of All Animals in Record