



4-H Dairy Project Record

4-H 44

YEAR _____

NAME _____

Age _____



Years in Project _____

Years in 4-H _____

BREED(S)

_____	_____
_____	_____
_____	_____
_____	_____

Dairy Project Objectives:

- ~ Develop life skills by participating in fun and challenging animal-related, learn-by-doing experiences.
- ~ Learn basic principles of animal science by owning and/or caring for one or more dairy animals and keeping records.
- ~ 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.
- ~ Learn marketing, processing, distribution, consumption, and use of dairy products.
- ~ Become aware of the scope and economic significance of the dairy industry.
- ~ Appreciate contributions and applications of scientific research to the dairy industry.
- ~ Develop integrity, sportsmanship, cooperation, decision-making ability, and public speaking skills through participation in visual presentations, tours, judging, the dairy bowl competition, community service and/or exhibits.

***Educating
People to Help
Themselves***

It is the policy of the University of Maryland, Agricultural Experiment Station and Maryland Cooperative Extension, that no person shall be subjected to discrimination on the grounds of race, color, gender, religion, national origin, sexual orientation, age, marital or parental status, or disability.

Revised in-house 2006
(Front page only)

Tips for Using the 4-H Dairy Project Record

This 4-H Dairy Project will be a continuous record of all of your 4-H dairy animals for the entire time you are enrolled in the 4-H Dairy Project. Thus, you will be able to see how your project and your activities grow as you become more experienced.

Each year you will provide new information in the categories provided on each page. You may insert additional pages as they are needed. A new cover sheet is to be added each year.

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Feeding and Housing Programs and Expenses

Calves: Birth to 1 Year

How much did it cost to feed and house the calves in your 4-H dairy herd? Record the total costs for each year.

Item	Cost (by year)					
	20	20	20	20	20	20
50 lb. milk replacer						
Hundred weight of whole milk						
100 lb calf starter						
100 lb ___ % heifer starter						
# bales hay Type						
Calf hutch						
TOTAL	\$	\$	\$	\$	\$	\$

Describe the feeding program and housing you used for your calves from birth through 1 year of age. Include the type of milk fed, age at weaning, the types and amounts of concentrates, and forages fed. Also discuss the types of housing used and the ages of the calves when you changed their housing or groupings.

Project Year _____

Project Year _____

Project Year _____

Project Year _____

Project Year _____

Project Year _____

Attach additional pages as needed.

Feeding and Housing Programs and Expenses

Calves: 1 Year to Calving

How much did it cost to feed the yearlings in your 4-H dairy herd? Record the total costs for each year.

Item	Cost (by year)					
	20	20	20	20	20	20
# bales hay type						
100 lb. _____ % Heifer grain						
Tons of corn silage						
Type of bedding:						
TOTAL	\$	\$	\$	\$	\$	\$

Describe the feeding program and the housing you used for your yearlings from 1 year of age to calving. Include the types and amounts of concentrates and forages fed, the composition of any Total Mixed rations, the type of pasture if used, and the age or status of the animals when you changed their ration or housing.

Project Year

Project Year _____

Project Year _____

Project Year _____

Project Year _____

Project Year _____

Attach additional pages as needed.

Feeding and Housing Program and Expenses

Cows: Lactating Animals

How much did it cost to feed and house the cows in your 4-H dairy herd? Record the total cost for each year.

Item	Cost by year					
	20	20	20	20	20	20
Tons of corn silage						
___ lbs. roasted soybeans ___ lbs. protein supplement Types used:						
Mineral supplement ___ lbs. used						
Tons of hay Type used:						
Other additives Types & amount used:						
TOTAL	\$	\$	\$	\$	\$	\$

Use the following page to describe the feeding program and housing you used for your cows. Include the type and amounts of concentrate and forages fed, the composition of any Total Mixed Rations, the method feed was delivered to animals (i.e. parlor fed, bunk fed, computer fed), pasture access, housing set-up, and bedding materials.

Project Year _____

Project Year _____

Project Year _____

Project Year _____

Project Year _____

Attach additional pages as needed.

Health and Veterinary Program and Expenses

Calves: Birth to 1 Year

How much did it cost to keep the calves healthy in your 4-H dairy herd? Record total costs for each year.

Item	Cost (by year)					
	20	20	20	20	20	20
Vaccination program (list type below and the cost in the table column; for example, 4 doses nasalgen, \$2 per shot)						
Veterinarian fee for health test for shows: \$						
TOTAL	\$	\$	\$	\$	\$	\$

On the following page, describe the routine preventive health practices you or your veterinarian used on your calves. Include naval dipping, vaccinations, parasite control, and health tests. Did any of your calves become sick or injured?

Project Year _____

Project Year _____

Project Year _____

Project Year _____

Project Year _____

Attach additional pages as needed.

Health and Veterinary Program and Expenses Yearlings: 1 Year to Calving

How much did it cost to keep the yearlings healthy in your 4-H dairy herd? Record the total costs for each year.

Item	Cost by year					
	20	20	20	20	20	20
Vaccination program (list type below and the cost in the table column; for example 4 doses nasalgen, \$2 per shot)						
TOTAL	\$	\$	\$	\$	\$	\$
Worming program (list type and cost)						
TOTAL	\$	\$	\$	\$	\$	\$
Breeding program (include cost for insemination, pregnancy test, difficult calving, veterinarian)						
TOTAL	\$	\$	\$	\$	\$	\$
GRAND TOTAL	\$	\$	\$	\$	\$	\$

Project Year _____

Project Year _____

Project Year _____

Project Year _____

Project Year _____

Attach additional pages as needed.

Health and Veterinary Program Expenses

Cows

How much did it cost to keep the cows healthy in your 4-H dairy herd? Itemize the treatments and costs, include mastitis treatment, foot treatment, veterinary care, etc.

Item	Cost (by year)					
	20	20	20	20	20	20

Describe preventative health practices you or your veterinarian use on your cows. Include reproductive health checks, vaccinations, health testing, and treatments for mastitis, foot rot, milk fever, DA, or embryo flushing.

Project Year _____

Project Year _____

Project Year _____

Project Year _____

Project Year _____

Project Year _____

Attach additional pages as needed.

Milking and Sanitation Program: Cows

List the value for each year.

Item	Value					
	20	20	20	20	20	20
Price received CWT milk (base milk)						
SCC limit for quality premium for your milk handler						
SPI limit for quality premium for your milk handler						
PI limit for quality premium for your milk handler						
Value of quality premium						

Describe the milking procedure you use for your cows. Include the times milked, types of milking set-up and equipment, and sanitation practices you follow.

Project Year _____

Project Year _____

Project Year _____

Project Year _____

Project Year _____

Project Year _____

Attach additional pages as needed.

Dairy Activities
Project Year _____

(Complete a new page for each year)

Visual Presentations

Date	Title	Local (L), Regional (R) County (C), or State (S)	Placing
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Citizenship/Community Service

What you did	Where	No. in audience
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Leadership

What you did	Where	No. in audience
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Management Questions: Calves and Yearlings

Select one of your project heifers from the Inventory of "My 4-H Dairy Awards" sheet. Attach that animal's registration paper directly behind this page and answer the following questions pertaining to that animal.

Breed: _____

Name of animal selected: _____

What is the animal's registration number? _____

What is her herd number? _____

Who is the breeder of this animal? _____

Who is the maternal grandsire of this animal? _____

Who is the paternal grandam? _____

Are there any animals in this heifer pedigree that are the result of embryo transfer? _____

If yes, who are they? _____

Have any animals in this heifer's pedigree been tested for any genetic disorders? _____

If yes, list those traits for which animals have been tested. _____

Management Questions: Cows

Select one of your project cows and attach her Individual Cow Page directly behind this page.
Answer the following questions.

Breed: _____

Control name or number of the cow selected: _____

What is the cow's sire PTA for milk? _____

What is her dam's PTA for milk? _____

How many lactations has this cow completed? _____

When did this cow last calve? _____

What is the highest publishable record for this cow? _____

What is the highest amount of milk produced on the test day for this lactation? _____

What is the next expected calving date for this cow? _____

What is the estimated PTA for milk of the unborn calf? _____

What is the relative value for milk on her last test of the current lactation? _____

What is the highest SCC value for this cow? _____

Find the total amount of milk produced to date in this lactation and multiply that by the milk price recorded to determine the value of the milk produced in this lactation. _____

Appendix

Attach copies of registration papers and Individual Cow Pages here.

Place each cow's DHIA sheet directly behind her registration paper.

Be sure to insert your DHIA sheet all in one direction so that they can be easily read.

This project has been completed including a demonstration,
an oral presentation, and an exhibit.

4-H Member's Signature Date

Parent's Signature Date

Volunteer's Signature Date

4-H Educator's Signature Date

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