Larimer County 4-H Livestock Record Book

Welcome to the record keeping portion of your livestock project!

Only one species per book

Youth are encouraged to work with a caring adult to complete their record book.

This book should be filled out to the best of your ability.

Each Record Book should be in a three ring binder.

Read directions at the top of each page carefully.

All questions should be answered in complete sentences.

All pages should be included in record book, even if they don't pertain to your project.

Keep your receipts from purchases made throughout your project.

Proof read your answers, story, and photo captions.

Record Books must be turned in to club leaders for project completion following county fair.

If members choose to participate in the Record Book Contest, Club/Project Leaders need to have the books to the Extension Office by 9/15

Certain sections will indicate what age group(s) (Junior, Intermediate, Senior) are required to complete.

Please ask your Species Key Leaders or Extension Specialist if you have any questions!
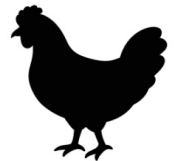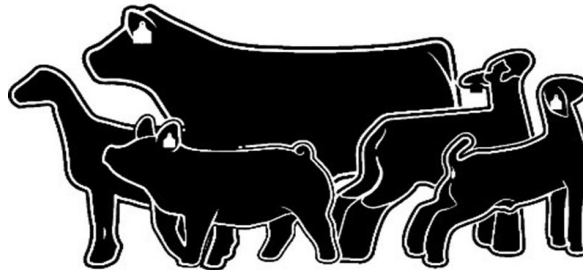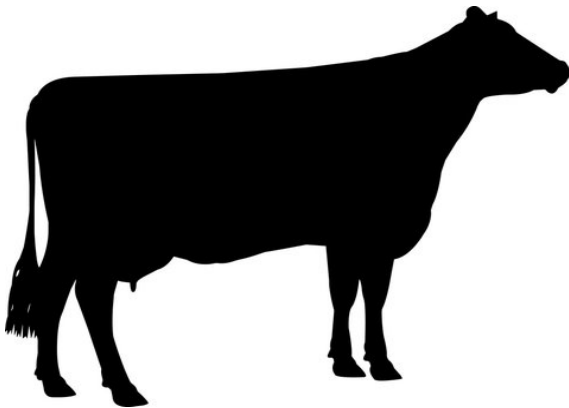
2025-2026

Larimer County 4-H Livestock Record Book

Please indicate what project you are enrolled in and how many years you have been in the project.

Project	Market	Year	Breeding	Year
Beef				
Dairy Cattle				
Dairy Goat				
Meat Goat				
Poultry				
Rabbit				
Sheep				
Swine				

Name _____

4-H Club _____

Age _____
As of December 31st

Member Signature _____

Date _____

Leader Signature _____

Date _____

Parent Signature _____

Date _____

(Leader's signature verifies all club requirements have been met before county fair.)

Each 4-H year should start with goals in mind.

Please identify two goals for this year that are related to your project.

Using complete sentences, state your goals. **Intermediates** and **Seniors** should list S.M.A.R.T. goals, which are Specific, Measurable, Achievable, Relevant, and Timebound. Then describe why they are important to you (**Juniors** are not required to make it a S.MA.R.T. goal but must list why the goal is important to them).

Personal Goal	
Family or Competition Goal	

Larimer County 4-H Livestock Record Book
Reference Page

Feed Formulas

Pounds Gained divided by Days on Feed = **Average Daily Gain (ADG)**

New Weight minus Prior Weight = **Pounds Gained**

Pounds of feed divided by pounds gained = **Feed Efficiency**

Cost divided by average daily gain = **Feed Cost per Pound of Gain**

Basic Vitals

Species	Heart Rate	Temperature
Cattle	48-84 beats/minute	98-102.4
Sheep	70-80 beats/minute	101-103.5
Swine	70-120 beats/minute	101.6-103.6
Goats	70-80 beats/minute	101-103.5
Rabbit	130-325 beats/minute	101-103

Last Date of MQA Course

Veterinarian Name and Number

Animal Housing Information

National or State Premises ID:

Premises Address:

Definintions of Common Terms

Subcutaneous (SubQ) - situated or applied under the skin

Intramuscular (IM) - situated or taking place within or adminstered to the muscle

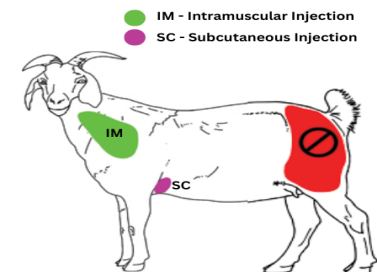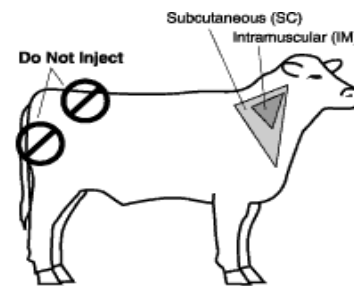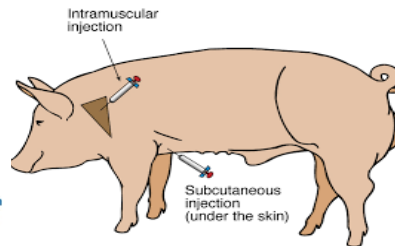**Topical**- application to the outside of an animals skin

Oral- administering medication or other substances via mouth

Withdrawal- refers to the minimum period of time from administering the last dose of medication and the production of meat or other animal-derived products for food.

Drenching-Administration of medication or hydration fluids to an animal orally

Proper Injection Sites

Larimer County 4-H Livestock Record Book
Inventory

Provide a list of project related items that you owned or leased at the start date and the ending date of your project (No animals should be included on this page).

<u>**Seniors and Intermediates**</u> must depreciate items in the ending inventory for use, wear, and tear. Use 10% as a standard depreciation on equipment. Used show products like adhesives, shampoos and conditioners should be recorded with a monetary value of $0.

DO NOT INCLUDE LIVESTOCK OR FEED

Item / Description	Beginning Inventory		Closing Inventory	
	Amount	Value	Amount	Value
		$		$
		$		$
		$		$
		$		$
		$		$
		$		$
		$		$
		$		$
		$		$
		$		$
		$		$
		$		$
		$		$
		$		$
		$		$
		$		$
		$		$
		$		$
		$		$
		$		$
		$		$
		$		$
		$		$
		$		$
		$		$
		$		$
Totals		$		$

Larimer County 4-H Livestock Record Book
Market

Complete the sections below that are applicable. When calculating days on feed, days should be calculated from date of purchase or the county tag-in (whichever comes first) until fair weigh in.

Income should include any show premiums, animal sale, or other money earned related to project.

Animal			Beginning			Ending		Production		
Breed	**Sex**	**ID**	**Date**	**Weight**	**Cost**	**Date**	**Weight**	**Days on Feed**	**Total Gained**	**Avg. Daily Gain**
					$					
					$					
					$					
					$					
					$					
			Total Beginning Cost		$					

Market Poultry /Rabbit					
Date of Order	**# in Order**	**Breed**	**Cost**	**# of pens exhibited**	**Avg. Pen Weight**
			$		
			$		
			$		
			$		
			$		
			$		
			$		
			$		
			$		
			$		
Total Beginning Cost			$		

Income		
Date	**Source**	**Value**
		$
		$
		$
		$
		$
		$
		$
		$
		$
		$
	Total Income	$

Larimer County 4-H Livestock Record Book
Market Nutrition Facts

Answer the following questions for each grain or supplement you feed (record for all if feeding multiple types)

What is the percent protein in your grain?	
What is the percent fat in your grain?	
Do you feed a mineral? Why or why not?	
Did you feed any supplements this year? Why or why not?	
What is the most important nutrient for your animal to receive? How often should it be available to them?	
How many days has your animal been on feed?	
On average how much grain do you feed your project animal(s) per day?	
Total pounds of grain fed from purchase date or tag-in to the county fair?	
Total cost of grain purchased?	
Total pounds of hay fed from purchase date or tag-in to the county fair?	
Total cost of hay purchased?	

Market Project Calculations

ID	Avg Daily Gain	Feed Efficiency (Required for Seniors)	Cost per Gain		Average Daily Gain Chart	
					Average Daily Gain	Pounds per day
					Beef	2.75 lbs.- 3.25 lbs.
					Goats	0.25 lbs.- 0.35 lbs.
					Sheep	0.5 lbs. - .8 lbs.
					Swine	1.5 lbs. - 2 lbs.

Calculate the average of all project animal(s) listed above for Daily Gain. Document it. Are they above, below, or in the range for the expected weight gain using the chart above?

(**Intermediates and Seniors**) Was your feeding program designed to maximize (push) or maintain your project animal(s) according to the avg. you calculated above? Why?:

Larimer County 4-H Livestock Record Book
Breeding

Complete the sections below that are applicable for the species you own. Income should include any show premiums, animal sale, or other money earned related to project.

Animal			Beginning		Ending		Production		
Breed	*Date of Birth*	*ID*	*Purchase Date*	*Cost*	*Date*	*Value*	*Service Date*	*Sire*	*Birthdate/Sex*
				$		$			
				$		$			
				$		$			
				$		$			
				$		$			
				$		$			
		Total Beginning Cost		$		$			

Poultry / Rabbit			
Date of Order	*# in Order*	*Breed*	*Cost*
			$
			$
			$
			$
			$
Total Beginning Cost			$

Milk Production			
ID	*Days in Milk*	*Pounds of Milk per Day*	*Comments*

Egg Production	
Month	*Approximate Number of Eggs per Month*
October	
November	
December	
January	
February	
March	
April	
May	
June	
July	
August	
September	

Income		
Date	*Source*	*Value*
		$
		$
		$
		$
		$
		$
		$
		$
		$
		$
		$
		$
		$
	Total Income	$

Larimer County 4-H Livestock Record Book	
Breeding Nutrition Facts	
Answer the following questions for each grain or supplement you feed (record for all if feeding multiple types)	
What is the percent protein in your grain?	
What is the percent fat in your grain?	
Do you feed a mineral? Why or why not?	
Do you feed a supplement? Why or why not?	
What type and how much **hay** are you feeding your animal(s)? (Swine and Poultry are exempt from this question).	
Why is it important for your animal to receive roughage (hay)?	
What is the most important nutrient for your animal to have? How often?	
Ending Project Calculations	
Total pounds of grain fed per animal from purchase date to county fair?	
Total cost of grain purchased?	
Total pounds of hay fed per animal from purchase date to county fair?	
Total cost of hay purchased?	
Do you feel your breeding stock grew well on the rations they were being fed, why?	
Why did you choose to enroll in the breeding project?	

Larimer County 4-H Livestock Record Book								
Feed Expense								
Record all feed expenses. (Grain, Hay, Nutrition Supplements) Units = bags /bales /buckets								
			Market			Breeding		
Date	**Item**	**Paid To**	**Units**	**Pounds**	**Cost**	**Units**	**Pounds**	**Cost**
		Total		$			$	

Larimer County 4-H Livestock Record Book
Health and Other Expense
Record any expenses occurred during your project year other than feed. This includes bedding, veternarian fees, tag fees, show entry, etc.

Date	Item	Paid To	Market Cost	Breeding Cost
		Totals	$	$

2025-2026

Larimer County 4-H Livestock Record Book

Health Maintenance

Record anything that was administered to your project animal(s).

Date	ID	Condition Treated	Medication/Treatment	Dose	Route	Withdrawal Time	Withdrawal Completion Date	Notes

Health Questions

Who helped you develop your current health plan and what is it?

What have you implemented as preventative measures to ensure the health of your animal(s)?

Did you have any any health challenges this year? What are your plans to prevent these health challenges next year? If you're answer is no, what preventative measures have you incorporated into your health management plan?

Larimer County 4-H Livestock Record Book
Financial Summary

Market

Income

Ending Inventory Value	$
Ending Value of animal(s) remaining	$
Other Income	$
Total Income	$

Expense

Animal Purchase	$
Health / Other Expense	$
Feed Expense	$
Total Expense	$

Profit/Loss

Income minus Expense	$

Breeding

Income

Ending Inventory Value	$
Ending Value of animal(s) remaining	$
Other Income	$
Total Income	$

Expense

Animal Purchase	$
Health / Other Expense	$
Feed Expense	$
Total Expense	$

Profit/Loss

Income minus Expense	$

Did you break even, make, or lose money? What contributed to this?

For the animal you sold at the Junior Livestock Sale:	
How much did you sell your animal for at county fair?	
How much did your animal weigh at fair?	
What is the market value (buy back value) for your animal?	
What is the difference between market and the county fair price?	

(Intermediates and Seniors only) Why are the above comparisons important?

Larimer County 4-H Livestock Record Book
Project Summary

(Write in complete sentences)

What was your demonstration on this year (this should be related to one of the projects you are enrolled in)?

What community service did you participate in?

What leadership or self development opportunities were you involved in (conferences, camps, team contests)?

What was the most valuable thing you learned with this project this year?

What was the most challenging part of this project this year?

What changes would you make to be more successful in this project next year?

How were your personal and family/competition goals met or not met? Did your goals help drive your journey through this project?

Larimer County 4-H Livestock Record Book
Project Pictures

Include a __minimum of four__ pictures with a descriptive caption for each. **Include pictures that demonstrate the progress of your project (from purchase or weaning to County Fair).** Additional photos may be added.

Larimer County 4-H Livestock Record Book
Story

4-H Story

Tell us about your 4-H experience in a story. The following may be used as a guide to help you compose a story related to your project(s).

About Me

* Tell how old you are and when you joined 4-H

Tell why you joined 4-H
*

* Share about your interests or hobbies

* Tell about future and career plans

4-H Project and Activities

* Describe your projects. Tell how they were successful or challenging

* Explain your goals and which ones you reached

* Share what you would do differently if you were to try it again

* Describe what skills have you learned this year

* Tell how your projects have grown in size and scope?

* Explain how you have arranged for financing (if needed)

* Tell about any adults or other 4-H members that were especially helpful to you. Share how they were helpful.

Leadership and Citizenship

* Share what leadership and citizenship mean to you

Tell how 4-H has helped you become a better leader
* and citizen. Describe what types of citizenship or leadership projects have you been involved in

* Tell how you have contributed to 4-H, your community & your school

* Describe the most important offices you have held and the committee assignments you have accepted.

* Share what you have learned from working with other 4-H'ers as a junior or teen leader

4-H's Impact on You

* Tell how your 4-H participation changed how you feel about yourself

* Tell how your participation influenced your school and career goals
Describe what being a 4-H member means to you
*

Story may be typed or hand-written with 1 inch margins. Handwritten stories should be written on lined, white notebook paper and be legible. Typed stories should be on plain, white paper and no smaller than 12-point font. **Limit your story to a maximum of three (3) pages. Remember that good grammar, correct spelling, and complete sentences are important.**