



University of Vermont Extension 4-H Sheep Project Record

Levels 3 and 4

Level 3 – Intermediates: 12 to 15 years old Level 4 – Seniors: 16 to 18 years old

Name: _____

Club(s) Name: _____

Number of years in sheep project: _____

Circle on type of project: Club Independent

Leader(s) Mentor(s) Name: _____

Members Signature: _____ Date: _____

Leader/Mentor Signature: _____ Date: _____

Acknowledgements: *The New Jersey MY 4-H Sheep Project Record Book- Trial Version* was used as a reference and model in the development of this document.

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Appendix A: Sheep Knowledge and Skills, Personal Development Skills

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*Level 4 (Seniors) only

♦White: Did not meet the requirements.

♦Red: Met the requirements.

♦Blue: Exceeded the requirements.

Judges Final Score, Comments:

Part I: Starting Out

The beginning of the 4-H year is the time to begin thinking about what you want to learn and do in 4-H during the project year. List some of your goals for the year and how you plan to accomplish them. Talk with your parents and leader about your goals and plans. Ask them if the goals and plans seem realistic and possible to complete this year.

During each year in the 4-H Sheep project, members should choose a minimum of three goals to pursue. Check the attached list of skills in Appendix A. Write your choices below. You can always choose more than three goals and don't be afraid to challenge yourself. Appendix A is not meant to be a complete list. If you think of other skills that are not listed, write them down and make a plan. Be sure to get your parents' and leader's signatures.

Signatures for Goal Setting:

To the best of my ability during the upcoming 4-H year, I will work toward the goals listed below, which I have set for myself.

| | |
|------------------------|-------|
| _____ | _____ |
| Member's signature | Date |
| _____ | _____ |
| Parent's signature | Date |
| _____ | _____ |
| 4-H Leader's signature | Date |

My Goals for the Year

How I will reach this goal?

| | |
|--|---|
| Example: I will learn how to give a public presentation. | Attend a county presentation workshop. Pick a topic with help from my parents and leader. Practice my presentation and give it to a club meeting. Have my presentation judged at the county fair. |
| | |
| | |
| | |

FINANCIAL AGREEMENT

This record pertains to the sheep within your project and whether you own them or have an arrangement with another person for the use of their sheep.

Check one of the following:

Ownership _____ Partnership _____ Managerial _____ Lease _____

I have the following agreement with: _____

Signature of member: _____

Signature of other financier (if there is one): _____

(If possible, place copy of lease/loan here)

(Make copies of this page as needed)

Flock Summary

| Name of Animal ID number or Tattoo | Date of Birth | Sex | Breed | Date of Purchase Or Flock Lamb | How left flock and date it left | Value: Start of Project Year | Value: End of Project Year |
|---|------------------|-----|-------|---|--|---------------------------------------|-------------------------------------|
| Registration number | | | | | | \$ | \$ |
| | | | | | | \$ | \$ |
| | | | | | | \$ | \$ |
| | | | | | | \$ | \$ |
| | | | | | | \$ | \$ |
| | | | | | | \$ | \$ |
| | | | | | | \$ | \$ |
| | | | | | | \$ | \$ |
| | | | | | | \$ | \$ |
| [A2] Total Value of Sheep (Add all sheep values and put these numbers in the boxes at the right. Use the End of Project Year total in your Total Assets and Income record) | | | | | | <u>pg.subtotal</u> | <u>pg.subtotal</u> |
| [A3] Increase in Value of Sheep (Value at end of project year minus value at beginning of project year.) | | | | | | <u>pg.subtotal</u> | <u>pg.subtotal</u> |
| | | | | | | TOTAL | TOTAL |

(Make copies of this page as needed)

Part II: All through the Year

During the year, you should keep track of many pieces of information regarding your sheep project. The following forms are designed to help you track your animal's genetic background, health, lambing history, wool crop, showing record, financial expenses, and income. If you try to remember the records at the end of the year, you will not do a good job. You need to work on collecting and writing down the needed information throughout the year. Information should be kept on each of your project animals.

This section includes the following records:

Life Time Ewe 4-H Sheep Record/Lambing Record – one for each project ewe

Life Time Ram 4-H Sheep Record/Health Record – one for each project ram

Life Time Health Record – one for each project ewe

Life Time Shearing Record – one for each project animal

Life Time Showing Record – one for each animal shown

Sheep Breeding Record – for seniors (Level 4) only

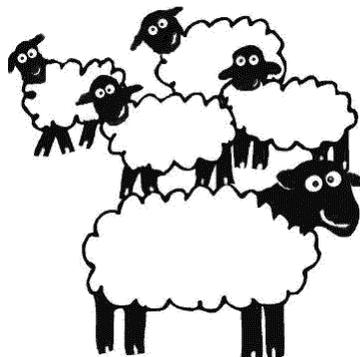
Expenses: documentation of all expenses related to the sheep project

Income: documentation of all income related to the sheep project

Market Lamb Record – Weight and Profitability: for seniors (Level 4) only

Wool/Fleece Profitability Record: for seniors (Level 4) only

Brood Stock Profitability Table: for seniors (Level 4) only



Life Time Ewe 4-H Sheep Record



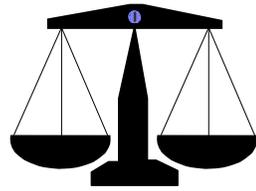
Name of sheep _____

Life Time Shearing Record

| Date | Weight of Fleece | Length of Staple | Comment (quality, condition) | Shearer |
|------|------------------|------------------|------------------------------|---------|
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Sample of fleece
(Staple snack bag of fleece here)

Life Skill – Learning to Learn



[P] Total Profitability

If your project earned more money than it cost, then you earned a profit. It is not likely that you earned a profit so don't worry if you didn't. A business aims to earn a profit, but a 4-H project is meant for learning. An education has a value of its own kind. Part of what you should be learning is how much things cost and how to spend your money wisely. If you earned a profit this year, feel proud!

| | |
|--|----|
| TOTAL EXPENSES [E] | |
| Total Equipment Expenses (E1) | \$ |
| Total Feed Expenses (E2) | \$ |
| Total Health/Medical Expenses (E3) | \$ |
| Total Other Expenses (E4) | \$ |
| Total Expenses [E](Add up E1, E2, E3, and E4) | \$ |
| Total Assets and Income [A+I] | |
| Total Value of Equipment and Supplies [A1] | |
| Total Value of Sheep [A2] | |
| Total Income [I] | |
| Total Assets and Income [A+I] (Add A1, A2 and I) | |
| Total Profitability [P] | |
| Increase in Sheep Value [A3] May be a negative number | \$ |
| Total Expenses [E] (from above) | \$ |
| Total Profitability [P] (Subtract Total Expenses [E] and Increase in Sheep Value [A3] from Total Assets and Income [A+I]. Put a negative number in parenthesis.) | \$ |



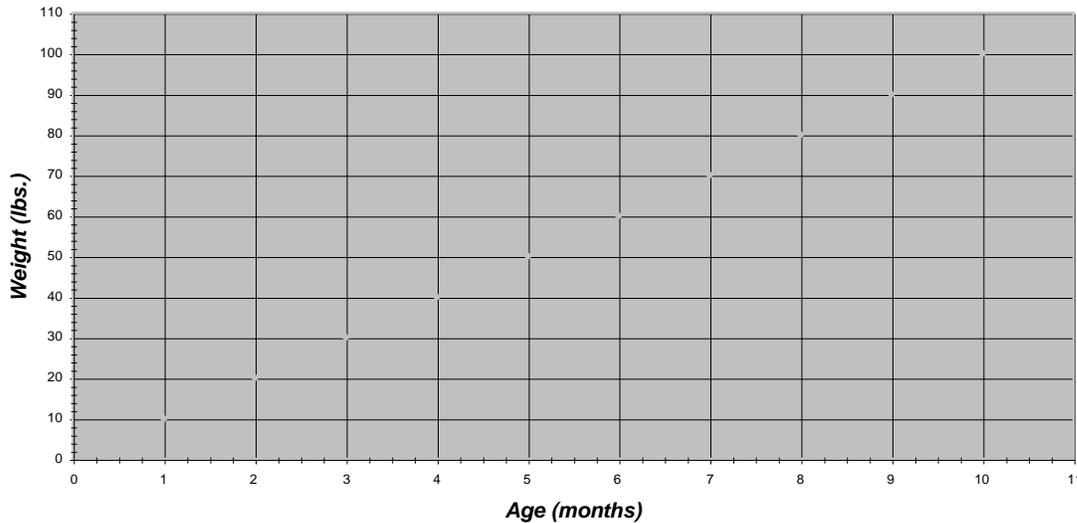
Market Lamb Record: Weight & Profitability

Name or Flock Number of Sheep _____

(Required for seniors (Level 4) who are raising market lambs.)

Each month, graph the lamb's body weight on the chart.

Market Lamb Growth Chart



Market Lamb Profitability Table

| Birth Date: | | 1st Month | 2nd Month | 3rd Month | 4th Month | 5th Month | 6th Month | 7th Month | 8th Month | 9th Month |
|-------------|---------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 | Weight | | | | | | | | | |
| 2 | lbs. of gain for month | | | | | | | | | |
| 3 | grain: # lbs. fed | | | | | | | | | |
| 4 | grain cost for month | | | | | | | | | |
| 5 | hay: # lbs. fed | | | | | | | | | |
| 6 | hay cost for month | | | | | | | | | |
| 7 | pasture: # of days | | | | | | | | | |
| 8 | pasture cost for month | | | | | | | | | |
| 9 | total feed cost for month | | | | | | | | | |
| 10 | Price/lb. of gain | | | | | | | | | |

*See appendix for directions

1. How much did the finished market lamb weigh? _____
2. What is the total feed cost for this market lamb? _____
3. How much did it cost/ lb for the finished market weight? _____



4. Brood Stock Profitability Record

| Breeding Ram and Ewe Profitability Table | | |
|---|--|----|
| 1 | Total Number of Breeding Rams and Ewes in Your Project | |
| 2 | Total Feed Cost for All Animals [E2] | \$ |
| 3 | Average Feed Cost per Animal (line 3=E2/line 1) | \$ |
| 4 | Total Sheep Expenses [E] | \$ |
| 5 | Average Total Expenses per Breeding Animal (line 5=E/line 1) | \$ |

Only seniors (Level 4) should complete this record. The purpose of this record is to assist you in determining how to make your project more profitable. The profitability of sheep farming rests on the breeding animals in a flock. These are the animals that are kept year round and produce the products for income. Reducing the costs related to maintaining these animals are within a producer's control, whereas market prices for lamb, wool and other sheep by-products rarely are. All negative numbers should be placed within parentheses.

Wool/Fleece Profitability Record

(Required for seniors (Level 4) who raise wool sheep.)

| Ewe Name or ID. number | Date Shorn | Weight of Total Fleece | Weight of Skirted Fleece | Price per lb. | # of lbs. sold | Awards received | Total Receipts Per Fleece |
|------------------------|------------|------------------------|--------------------------|---------------|----------------|---------------------------------|---------------------------|
| Ex.: Bess | 3/2/04 | 8 lbs. | 6 lbs. | 3.00 | 6 lbs. | Rutland – blue ribbon \$6.00 | \$24.00 |
| | | | | | | | |
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| | | | | | | | |
| | | | | | | Total Receipts | |

(Make copies of this page as needed.)

Sheep Activities I have participated in without my sheep:
Include club project meeting work, knowledge contests, workshops, etc.

| Description of activity | Date of activity | Location | Level of activity: Club, County, Regional, State |
|-------------------------|------------------|----------|--|
| | | | |
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| Date | PROJECT PRESENTATIONS DONE OUTSIDE THE CLUB SETTING: 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. Describe what kind of presentation (ex: poster, tabletop, talk), the specific topic, and where it was presented. | Time Spent | Activity Expenses |
|------|--|------------|-------------------|
| | | | |
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Year End Review: A Look Back

This section is completed at the end of the 4-H year and is meant to help you reflect on what you learned, and how you managed your flock. The process of reflection is important to self-development. There are six parts to this section:

- Summary of Flock Management
- The Three Most Important Things I Learned
- Review of Project Year Goals
- Project Story
- End of Year Signatures
- Project Photos and Certificates



Summary of Flock Management

What breed(s) of sheep did you raise and why?

How many ewes were exposed to a ram? How many rams were used for breeding?

How many ewes lambded? How many lambs were born?

What was your lamb crop percentage?

(divide the number of lambs that were born by the number of ewes that lambded, then multiply that number by 100, example 8 lambs divided by 5 ewes equals 1.6, multiplied by 100 equals 160% lamb crop)

How many lambs were alive at weaning?

At what age were lambs castrated? _____ docked? _____

What method was used for docking?

What method was used for castrating?

How many times did you treat for internal parasites this year?

What compounds were used to treat for internal parasites?

Were sheep treated for external parasites? How?

What did you feed your sheep? (Remember to include concentrates, minerals, and roughage.)

Did your sheep get shorn? When?

How often did you trim hooves?

Did you have to treat for foot rot?

What compounds were used to treat foot rot?

How was the general health of your sheep this year?

Did your sheep get vaccinated? For what?

How were your sheep housed and pastured?

What did you do to maintain the pens, fencing, barns etc.?

What improvements to your flock management do you hope to make next year?



Review of Project Year Goals

Look back at your goals from the beginning of the year. How well did you meet your goals? Did you add new goals during the year? If you did, include them in your review below.

| Goals for the year | How well did each get met? |
|---|--|
| Example: I will learn how to give a public presentation | I went to a workshop and I watched older club members make presentations. I picked a topic and developed a presentation that I presented to my club and at the fair. I received a red ribbon. The judge commented that I should have a poster she said that I had good information. Next year I am going to do a presentation again! |
| | |
| | |
| | |

(Make copies of this page as needed.)

End of year signatures

By signing below, I am stating that I have completed this record book myself and, to the best of my knowledge, the information included is correct.

| | |
|----------------------|------|
| <hr/> | |
| 4-H Member Signature | Date |

By signing below, I am stating that I am familiar with this work and, to the best of my knowledge, the member completed this record book and the information included is correct.

| | |
|-----------------|------|
| <hr/> | |
| Parent | Date |
| <hr/> | |
| 4-H Club Leader | Date |



Important Telephone Numbers

Veterinarian

Name _____ phone _____

Emergency Number

Name _____ phone _____

Leaders(s)

Name _____ phone _____

Name _____ phone _____

Extension Representative(s)

Name _____ phone _____

Name _____ phone _____

4-H Motto: To Make the Best Better

4-H Slogan: Learning By Doing

4-H Pledge: I pledge my head to clearer thinking,
My heart to greater loyalty,
My hands to larger service,
And my health to better living,
For my club, my community,
My country, and my world.

4-H Colors: Green and White

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Appendix A

Sheep Knowledge and Skill

Use the following list to assist you in determining your goals. You may think of skills that are not listed. With your parents' and leader's help, turn unlisted skills into a goals.

| Item # | Sheep Knowledge and Skills |
|-------------------------|---|
| Beginning Skills | |
| S-1 | Learn and practice barn safety for animals, tools, equipment and self |
| S-2 | Perform a set daily animal care schedule |
| S-3 | Learn the types of feed and how to manage a sheep's diet |
| S-4 | Demonstrate one or more fitting techniques |
| S-5 | Practice sheep showmanship techniques |
| S-6 | Identify at least 25 parts of a sheep's body |
| S-7 | Identify breeds of sheep |
| S-8 | Identify wool properties and uses |
| S-9 | Identify and locate 7 meat cuts on a sheep |
| S-10 | Identify at least 6 sheep by-products |
| S-11 | Identify signs of health and illness |
| S-12 | Care appropriately for a new born lamb |
| S-13 | Identify common poisonous plants for sheep |
| S-14 | Identify conformation faults in sheep |
| S-15 | Learn common diseases and health issues and their treatment in sheep |

| Intermediate Skills | |
|----------------------------|---|
| S-16 | Identify parts of a ruminant digestive tract |
| S-17 | Identify the nutrients that different feeds provide |
| S-18 | Learn and practice prevention techniques for better sheep health |
| S-19 | Learn and how to correct abnormal birth positions |
| S-20 | Identify internal and external parasites in sheep |
| S-21 | Locate sheep information on the World Wide Web |
| S-22 | Develop sheep educational exhibits for the public. |
| S-23 | Identify and practice best management practices |
| S-24 | Discuss ethical issues in the sheep industry |
| S-25 | Learn and practice methods to save a weak lamb |
| S-26 | Learn and practice judging a class of sheep and present reasons for placing |
| S-27 | Learn and determine sheep body scores |
| Advanced Skills | |
| S-28 | Plan and organize a sheep related activity |
| S-29 | Develop and present a workshop for younger members |
| S-30 | Mentor a younger member |
| S-31 | Learn about and discuss issues affecting the sheep industry |
| S-32 | Learn how to shear sheep |
| S-33 | Learn how to butcher and dress lamb |
| S-34 | Learn about and preparation for careers in the agricultural industry |
| S-35 | Learn marketing and promotion techniques |

Appendix B

Guidelines for the 4-H Sheep Project Record Book

Why complete a record book?

This record book has been created for members in the 4-H Sheep Project. Keeping a record book is an important part of the project. It will help you set goals for the project year, record your accomplishments, and guide your efforts.

A record book is not meant to be a chore. Instead, it is a way for you to learn. By keeping a record book, you will:

Learn how to organize yourself

Learn how to set reasonable goals for yourself

Appreciate what you have learned by working toward goals

Explain what you've learned

Keep track of the costs of your project

Gather information needed to apply for awards and scholarships

Meet requirements to participate in some county, state, regional or national 4-H sheep events

Provide documentation for applications to college and employment

Each year, one record book is completed for all your project animals. Start your record book at the beginning of the 4-H year and keep all your expenses and receipts during the year. It is important to keep your record book up to date monthly. Record books are available as word processing templates using Microsoft Word or as paper records. When your record book is submitted for judging, it should be neat and complete.

The Sheep Project Record Book will be a section of your 4-H Record Book. You may have other project record books that reflect your participation and progress in other projects e.g. sewing, gardening, technology etc. It is expected that you will complete the 4-H Member Record to document your participation in your 4-H club(s). Completion of the 4-H Member Record provides the documentation to support your application for county awards and metals.

Your record book should be placed in a three ring binder with the pages numbered, and different sections clearly identified. It is recommended that you save your record books from year to year. In this way, you can easily compare your progress and achievements throughout the years. Your project record books can also be helpful when applying for awards, colleges, and jobs.

Member in good standing requirements:

In general, all 4-H members are expected to meet the following standards each year. These are minimum requirements. Your club may have additional requirements.

- Attend at least 70% of regular club meetings and/or activities
- Complete a 4-H project, doing one's own work with minimal assistance from parents or others
- Complete a project record book (like this one)

How to use this record book

This record book is divided into three sections

- Starting Out
- All Through The Year
- Year End Review: A Look Back

Each form in this record book is required for junior and senior (12 to 18 year old) members unless noted as being required for seniors (Level 4) only. Before handing in this record book for judging, complete the End of Year Signatures form. This involves yourself, your parents and your sheep project leader. Attached to your record book are two Appendixes to assist you in setting project year goals and the completion of record book forms.

In the **Starting Out** section, there are four forms to complete. Directions for the forms follow.

Goals for the Year – You need to write a minimum of three goals for the project year. Look over Appendix A and B and talk with your leader and parents. Write down things that you will do to reach your goal.

Signatures for Goals Setting – Have your parents and leader sign that they have reviewed the goals and agree to assist you in your work toward these goals. You also need to sign this form.

Barn Equipment and Supplies Inventory – Write down all of the sheep project equipment and supplies that you own. This might include a sheep fitting stand, hand shears, electric clippers, foot shears, metal panels, gates, etc. All equipment and supplies decrease in value as you use them. This is called depreciation. Fill in each

column with the appropriate information. To determine current value, consider how much an item can be sold for. Write down the item's value in the current values column. When you have listed all the values for your equipment and supplies, add the current values and write it down. This will be documentation for the current asset in equipment and supplies. All businesses are expected to keep inventories for many reasons, such as for taxes, insurance and banking.

Flock Inventory – You will fill out most of this form at the beginning of the project year. During the year you might add animals that you purchase or flock lambs (lambs that are born into your flock). At the end of the year you will determine the current value of each animal. You might consult with your parents or leader to determine the value of individual animals. Unlike equipment, animals can appreciate in value. As animals get old; however, they depreciate in value. Add up the two value columns one for the beginning of the year and one for the end of the year. This is one way to make a judgment regarding the profitability of your project for the year.

In the **All Through The Year** section, there will be either 9 or 12 forms for you to complete depending on whether you are a senior or a junior. Directions for the forms follow.

Life Time Ewe 4-H Sheep Record – You will need to complete this form for each project ewe. Additions should be made each year that this ewe is a part of your project. Fill in information for each line on the genealogy tree. Many of you will not have all the information to fill out the entire tree. Don't worry, put a question mark on the line.

Life Time Lambing Record – This form will also be added to yearly. You will have a Lambing Record for each project ewe. Complete the information on the page for each lamb born to the ewe. Older ewes may need to have more than one page.

Life Time Ram 4-H Sheep Record – This form is like the ewe sheep record. You will need to fill out one form for each project ram and maintain it for as long as he remains a part of your sheep project. Complete as much of the genealogy tree as you can, putting question marks on any missing information.

Life Time Individual Health Records – An Individual Health Record needs to be maintained for each project animal and will be added to each year that the animal is in your flock. Put all health related information on the record during the year. Health issues include illnesses, vaccinations, parasite treatment, hoof trimming, breeding and pregnancy/lambing. Maintenance of this record will allow you to observe an individual animal's general health over it's lifetime and will help you provide potential buyers of the animal a history that can add to the animal's value.

Life Time Shearing Record – Additions will be made on this form each year. Fill in the information for each column. Maintain a Sheep Shearing Record on each animal in your flock that is shorn.

Life Time Showing Record – Additions will be made on this form each year. A Showing Record will be maintained for each animal that is exhibited at a show during the project year. Fill in the information in each column for each class that the animal has been entered.

Expenses – You will have spent some money and earned some income from your project during the year. This section of the record book will help you track and document your [E] expenses.

Income – You may have earned some money with your sheep project during the year. This section of the record book will help you track and document your [I] income. Write down the date, a description of the item and the amount earned.

Total Profitability – Fill in the information for each section of the record. You will find it on the Barn Equipment and Supplies Inventory, Flock Inventory, Expenses and Income records. The better records that you keep during the year, the more accurate you will be. Subtract the total expenses for the year from the total assets and income for the year. You may have a negative number.

Sheep Breeding Record – Required for seniors only. Complete the information for each column of the form; each ewe that you used for breeding should be on this form. The purpose of this record is to summarize your individual ewe 4-H records.

Market Lamb Record: Weight & Profitability – This record is required for seniors that are raising market lambs. You may choose to complete this record on one or more of your market lambs. One record form is used for each lamb. Collect and record information for each month that you raise the lamb.

There are three steps to complete for this record:

- To complete the **Market Lamb Growth Chart**, weigh the lamb each month and record the weight on the chart. This allows you to see the rate of gain.
- **Market Lamb Profitability Table:** To complete this table, follow the directions for each line. See directions below.

| | | |
|---|--------|---|
| 1 | weight | Weigh lamb and record the body weight each month. |
|---|--------|---|

| | | |
|----|----------------------------------|--|
| 2 | lbs of gain | Determine the lbs. of gain by subtracting last month's body weight from the present body weight. |
| 3 | grain: # lbs. fed | Figure out how many pounds of grain that you fed your market lamb for the month. Example: 1/2 lb. multiplied by 30 days is 15 lbs |
| 4 | grain cost for month | Figure out how much your grain cost for the month: <ul style="list-style-type: none"> • Divide cost of a bag of grain by the weight of the grain bag to determine the cost/lb.. Example: \$10.50/ 100lbs = \$ 0.105 • Multiply the cost/lb by the number of pounds fed the lamb for the month. |
| 5 | hay: # of lbs. fed | Record the number of pounds of hay you fed the lamb during the month |
| 6 | hay cost for month | Figure out how much your hay cost for the month. <ul style="list-style-type: none"> • Divide the cost of a bale of hay by the lbs. per bale to determine the cost/lb. Example: \$ 28.00 / 1000 = \$0.028 per pound ○ Multiply the cost/lb. by the number of lbs. fed the lamb for the month. |
| 7 | pasture: # of days | Record number of days on pasture for the month. |
| 8 | pasture cost for month | Multiply the number of days on pasture by \$0.02, unless you know the cost of pasture rental/month, in which case divide the cost of monthly rental by the number of sheep on the pasture. |
| 9 | total cost of feed for the month | To determine the cost/ month. Add lines 4, 6,and 8. |
| 10 | price/lb of gain | To determine how much it cost for your lamb's growth for the month, divide the cost/month from line 9, by the lbs. of gain from line 2. |

• **Answer the following questions:**

1. How much did the finished market lamb weigh? Use last weight in line 1.
2. What is the total feed cost for this market lamb? Add each entry in line 9.
3. How much did it cost/ lb for the finished market weight? Divide the finished market weight (the answer to question 1) by the total feed cost (the answer to question 2).

Wool/Fleece Profitability Record – Required for seniors who have wool project animal(s). Fill in the required information for each column, for each wool project animal that is shorn during the project year. You will need to weigh the raw fleece after shearing, and then again after skirting. Determine the value of the fleece. Record the amount of income from the sale of the fleece. Record any awards that resulted from exhibition. If the fleece was used by you for personal uses, make a judgment regarding the amount you would have spent on the wool had you purchased it and record that amount as income. Total the income column to determine the total income from fleece, make sure that this number is also reflected in your Income record.

In the **Year End Review: A Look Back** section of this record book, there are six forms to complete. Directions for each form follow.

Summary of Flock Management – The purpose of this record is to summarize information that you may have already collected. It should prompt your reflection of your flock management skills and the outcomes of that management. Answer each question as completely as you can, it is best to answer in complete sentences.

The Three Most Important Things I Learned – Consider all that you learned throughout the sheep project year. Then, choose the three things that were most important to you and write them down.

Review of Project Year Goals – You should rewrite your year’s goals in the appropriate column and then explain how you worked toward this goal and whether you reached it or not.

Sheep Project Story – Write a story about your 4-H sheep project include specifics about what you did, what you learned, challenges you met, successes you had and fun times you had. Write in complete sentences and have someone check your spelling.

End of Year Signatures – Have one of your parents and your leader sign this section.

Photos and Certificates – In this section, include pictures that you took of your sheep. Also, include pictures that were taken of you while involved in your project. Be sure to label and date the pictures. You may have received certificates of participation or achievement. Display these items in this section of your project record book.