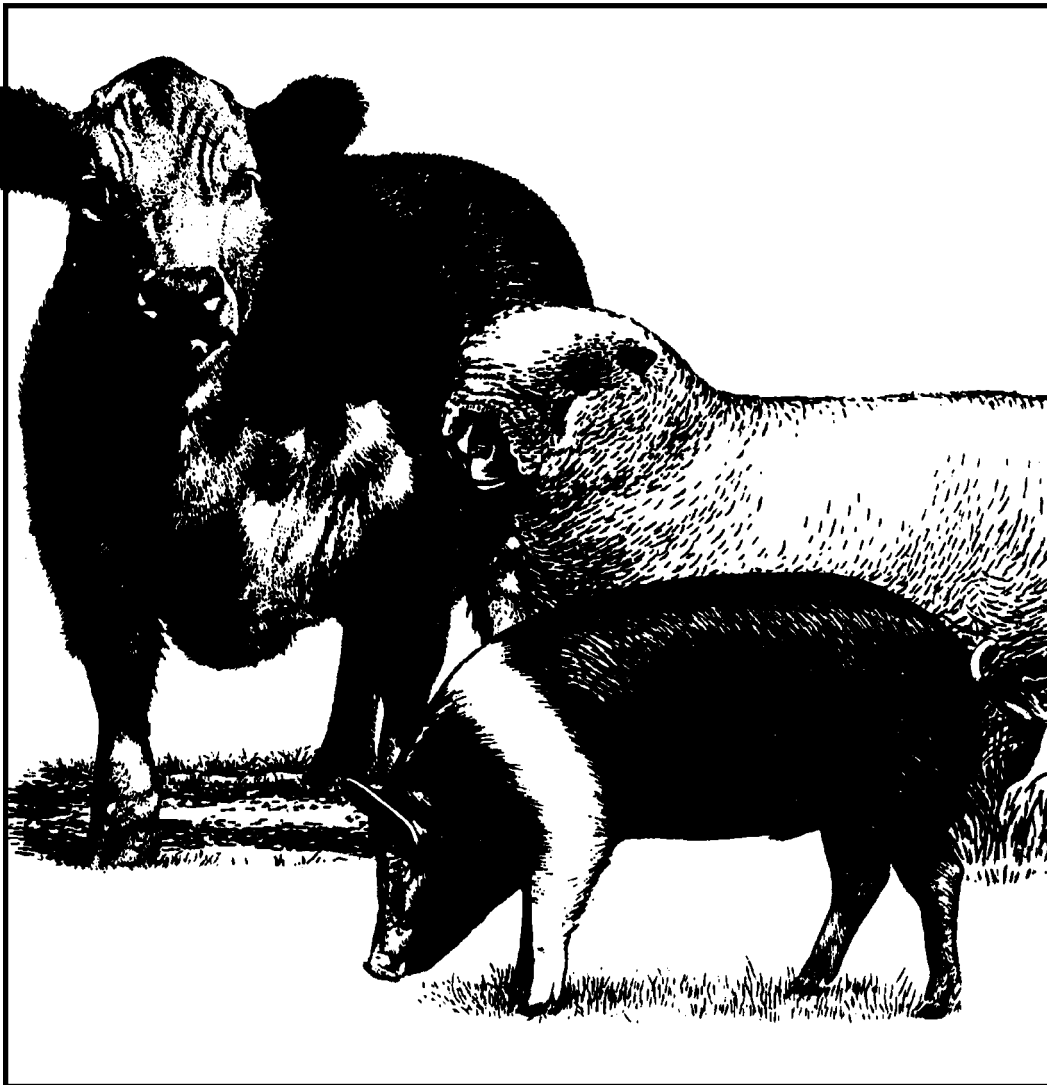




Objectives of 4-H Livestock Advancement Project:

- *To help 4-H members learn more about the livestock industry*
- *To receive credit for extra work*
- *To allow members to advance according to ability and desire*
- *To establish “self motivation,” a necessary ingredient in the livestock industry*



Prepared by Mark L. Wahlberg, Extension Animal Scientist, Virginia Tech.



The 4-H Livestock Advancement Project can be an important part of the livestock project(s) in which you are presently engaged. You must be currently enrolled in one of the 4-H beef, sheep, or swine projects. This is not a required project but if it is undertaken, it will be checked and considered as a part of your livestock projects for county and state awards.

Livestock project books as well as other publications can be used to obtain information for this project. You may also need to talk to your 4-H leader, Extension Agent, and other adults to acquire some information.

There are certain jobs that must be completed in each step of the Advancement Project. Each job, upon satisfactory completion, must be initialed by your leader. After the required number of jobs in each step has been completed, the record must be approved by your leader and Extension Agent. If you qualify, you will be given an Advancement Certificate for the step. The certificates for each step can only be awarded in ascending order beginning with Step Number 1. However, you may complete some jobs at a higher step before completing all jobs in a lower step.

There is no time limit for the completion of each step, but an effort should be made to complete at least one step per year. You may complete the steps as rapidly as you wish.

You can meet many requirements by presenting illustrated talks to your fellow club members. In some cases, you may be able to complete more than one step with a single illustrated talk. Complete all the jobs listed, if you can. With your leader's approval you may substitute one or two jobs.

STEP I. ASSISTANT HERDSMAN

	Date Passed	Approved By
1. Identify and describe 5 breeds of beef cattle.	_____	_____
2. Identify and describe 5 breeds of sheep.	_____	_____
3. Identify and describe 5 breeds of hogs.	_____	_____
4. Name, point out and spell the major parts of a live animal (beef, sheep, or swine).	_____	_____
5. Describe or explain the following: bull, cow, heifer, steer, ram, ewe, wether, boar, sow, gilt, and barrow.	_____	_____
6. Present a report on management of beef, sheep, or swine to your club.	_____	_____
7. Provide adequate shelter for your project animals.	_____	_____
8. Start a livestock library of books, magazines, bulletins, leaflets, 4-H club materials, etc.	_____	_____
9. Attend a feeder calf or feeder pig sale.	_____	_____

Others

10. _____	_____	_____
11. _____	_____	_____

Name of Club Member _____ Age

is qualified and has completed all requirements for STEP I of the 4-H Livestock Advancement Project _____.

(Date)

Approved By _____ , _____

(Project Leader or teen leader) (County Extension Agent)

STEP II. HERDSMAN

	Date Passed	Approved By
1. Learn the following parts of livestock: muzzle, snout, crows, loin, twist, dock, switch, pastern, and dew claw.	_____	_____
2. Describe and tell the use of the following livestock equipment: tattoo instrument, show stick, emasculator, Barnes dehorner, creep feeder, stock chute, and farrowing crate.	_____	_____
3. Learn and explain the USDA slaughter grades of cattle, hogs, and sheep.	_____	_____
4. Control at least 1 type of parasite and report your methods to your club.	_____	_____
5. Attend a livestock tour or field day.	_____	_____
6. Describe how to tell the age of livestock by their teeth.	_____	_____
7. Identify and locate the wholesale cuts of beef.	_____	_____
8. Identify and locate the wholesale cuts of a lamb carcass.	_____	_____
9. Tour a purebred livestock operation.	_____	_____
Others:		
10. _____	_____	_____
11. _____	_____	_____

Name of Club Member _____ Age

is qualified and has completed all requirements for STEP II of the 4-H Livestock Advancement Project _____.

(Date)

Approved By _____ , _____

(Projects Leader or teen leader) (County Extension Agent)

STEP III. ASSISTANT LIVESTOCK MANAGER

	Date Passed	Approved By
1. Describe the control of 3 external or internal parasites.	_____	_____
2. Identify and locate the wholesale cuts of pork.	_____	_____
3. Within 2 week's time, determine the price of choice slaughter cattle and price of choice beef cuts in a grocery or meat store. Explain the differences.	_____	_____
4. Participate in a livestock judging or evaluation program.	_____	_____
5. Describe or define the following terms: scrotum, testicle, semen, sperm, ovary, ovulate, ovum, fetus, and uterus.	_____	_____
6. Attend a purebred livestock sale.	_____	_____
7. Explain why each of the following are important in a livestock ration: proteins, carbohydrates, fat, minerals, water, and vitamins. Name some feeds that supply each of the above.	_____	_____
8. Explain the heat (estrous) cycle, heat period and gestation. Give the length of each for cattle, sheep and swine.	_____	_____
Others:		
9. _____	_____	_____
10. _____	_____	_____

Name of Club Member _____ Age

is qualified and has completed all requirements for STEP III of the 4-H Livestock Advancement Project _____.

(Date)

Approved By _____ , _____

(Project Leader or teen leader) (County Extension Agent)

STEP IV. LIVESTOCK MANAGER

	Date Passed	Approved By
1. Tour a meat packing plant, freezer, or locker plant, and report to your club.	_____	_____
2. Cook and serve beef, lamb, or pork to your family or friends.	_____	_____
3. Prepare a 4-H memory book or accumulated livestock achievement book.	_____	_____
4. Visit a grocery or meat store and obtain the prices of the various retail cuts of beef, lamb, or pork. Explain where each was derived from the live animal and explain the difference in price between cuts.	_____	_____
5. Become a 4-H teen leader.	_____	_____
6. Help one or more younger members with their livestock projects.	_____	_____
7. Attend a sale for slaughter animals.	_____	_____
8. Prepare a paper (500 words or more) and give a report on one of the following topics:	_____	_____
1) General management of one kind of livestock	_____	_____
2) Reproduction, breeding, and genetics	_____	_____
3) Livestock feeds, feeding, and nutrition	_____	_____
4) Prevention and control of diseases in one kind of livestock.	_____	_____
Others:		
9.	_____	_____
10.	_____	_____

Name of Club Member _____ Age

is qualified and has completed all requirements for STEP IV of the 4-H Livestock Advancement

Project _____.

(Date)

Approved By _____ , _____

(Project Leader or teen leader) (County Extension Agent)