

# SHEEP ADVANCEMENT LEVELS

100.L-1  
(R-2016)



New Mexico 4-H is a program  
of New Mexico State University's  
Cooperative Extension Service



**SPECIE: Sheep**

**LEVEL: I – NAME: Layman**

**Date  
Passed:**

**Approved  
By:**

**Skill Options: (Choose 10)**

1. Name, correctly spell and identify the different body parts. \_\_\_\_\_
2. Name, correctly spell and identify the lamb wholesale cuts. \_\_\_\_\_
3. Visit the meat counter of a local grocery store and examine the different cuts of the lamb. \_\_\_\_\_
4. Correctly catch and lead a lamb. \_\_\_\_\_
5. Give an oral report on what, how much, when and how you feed. \_\_\_\_\_
6. Demonstrate how to correctly set up lamb. \_\_\_\_\_
7. Demonstrate how to bathe a lamb. \_\_\_\_\_
8. Explain what facilities and equipment are needed to raise sheep. How do the facilities needed for a breeding operation differ from those required for raising market lambs? \_\_\_\_\_
9. Make a rope halter suitable for sheep. \_\_\_\_\_
10. Name three ways in which sheep are useful to man. \_\_\_\_\_
11. Weigh your lamb. \_\_\_\_\_
12. Explain safety precautions when working around sheep. \_\_\_\_\_
13. \_\_\_\_\_

**Personal Development Options: (Fill in options from page 7)**

1. Give a demonstration/illustrated talk to your club. \_\_\_\_\_
2. Bring your project record books up to date. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_

**Citizen's Pride Options: (Fill in options from page 8)**

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

**Resources:**

4-H Project Manual	Livestock & Show Ring Publications
County Extension Personnel	Veterinarians
Extension Livestock Specialist, NMSU	New Mexico Brand Inspector
Registered and Commercial Breeder	Sheepman's Handbook-Extension Office
Wool Warehouses	Encyclopedia

**SPECIE: Sheep**

**LEVEL: II – NAME: Novice**

**Date  
Passed:**

**Approved  
By:**

**Skill Options: (Choose 10)**

1. Name, and describe the color patterns, characteristics, and purposes of six breeds of sheep.
2. Demonstrate how to brace a lamb.
3. Name the nutrients that are essential in sheep rations and a source of each one.
4. Write a report on various sheep feeds available in your area (150 word minimum).
5. Outline basic showmanship procedures.
6. Demonstrate how to properly roll and tie a fleece.
7. Name the most common insects that affect sheep and methods of controlling them.
8. What vaccinations are given to sheep? Why?
9. Correctly spell and define the following terms: mutton, roughage, staple, finish, fleece.
10. Compare the advantages and disadvantages of handfeeding to those of self-feeding.
11. How many sheep are there in New Mexico? US? World?
12. Explain the difference between a spring lamb, Number 1 and Number 3 lamb pelt.
13. \_\_\_\_\_

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**Personal Development Options: (Fill in options from page 7.)**

1. Give a demonstration/illustrated talk that is at least five minutes long to your club.
2. Bring your project record books up to date.
3. \_\_\_\_\_
4. \_\_\_\_\_

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**Citizen's Pride Options: (Fill in options from page 8.)**

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

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**SPECIE: Sheep**

**LEVEL: III – NAME: Apprentice**

**Date  
Passed:**

**Approved  
By:**

**Skill Options: (Choose 10)**

1. Formulate a ration for each of the following: growth and finishing. \_\_\_\_\_
2. Outline a feeding schedule from birth to fair (market) or year round breeding. \_\_\_\_\_
3. Demonstrate shearing. \_\_\_\_\_
4. Explain what equipment is needed at fair. \_\_\_\_\_
5. Demonstrate proper methods of storing medications, sterilizing equipment, filling syringes, and administering vaccinations. Include safety precautions. \_\_\_\_\_
6. Place a class of 4 fleeces and give a set of oral reasons. \_\_\_\_\_
7. Define yield and quality grading. List the factors and demonstrate how they are calculated. \_\_\_\_\_
8. Explain the purpose of breed and industry associations. \_\_\_\_\_
9. Outline the major differences between purebred, commercial, and seasonal-use management systems. \_\_\_\_\_
10. Demonstrate how to worm lambs. \_\_\_\_\_
11. Correctly spell and define the following terms: heritability, reproductive efficiency, chromosome, crossbreeding, inbreeding, phenotype, and genotype. \_\_\_\_\_
12. Explain how to select for increased fertility. \_\_\_\_\_
13. \_\_\_\_\_

**Personal Development Options: (Fill in options from page 7.)**

1. Give a fifteen-minute demonstration or illustrated talk to your club or another group. \_\_\_\_\_
2. Bring your project record books up to date. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

**Citizen's Pride Options: (Fill in options from page 8.)**

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

**SPECIE: Sheep**

**LEVEL: IV – NAME: Junior Livestockman**

**Date  
Passed:**

**Approved  
By:**

**Skill Options: (Choose 10)**

1. Explain several advantages and disadvantages of raising sheep in New Mexico. \_\_\_\_\_
2. Demonstrate docking and trimming feet. \_\_\_\_\_
3. Diagram and describe the male and female sheep reproduction tracts. \_\_\_\_\_
4. Explain two methods of numerically identifying sheep. \_\_\_\_\_
5. What is the gestation length of an ewe? Interval between heat periods? \_\_\_\_\_
6. Place a class of four sheep and give a set of oral reasons. \_\_\_\_\_
7. Name the diameters and staple lengths of the different wool grades. \_\_\_\_\_
8. Write a report on one hormone and its functions.  
(300 word minimum) \_\_\_\_\_
9. Demonstrate how to properly set a comb and cutter and explain what the various type of shearing combs are used for and why. \_\_\_\_\_
10. Demonstrate how sheep are handled to detect finish. \_\_\_\_\_
11. Explain how to select for desirable wool traits. \_\_\_\_\_
12. Calculate feed costs/year, cost of feed/lb. of grain and feed efficiency. \_\_\_\_\_
13. \_\_\_\_\_

**Personal Development Options: (Fill in options from page 7.)**

1. Prepare a five-minute speech related to your sheep project and present it to a group other than your club. \_\_\_\_\_
2. Bring your project record books up to date. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_

**Citizen's Pride Options: (Fill in options from page 8.)**

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

**SPECIE: Sheep**

**LEVEL: V – NAME: Senior Livestockman**

**Date  
Passed:**

**Approved  
By:**

**Skill Options: (Choose 10)**

1. Diagram and describe the ruminant digestive system. \_\_\_\_\_
2. Enter a showmanship contest. \_\_\_\_\_
3. Write a report on the different methods of marketing sheep.  
(250 word minimum) \_\_\_\_\_
4. Write a report on the methods of cooking and serving lamb.  
(250 word minimum) \_\_\_\_\_
5. Demonstrate castration. \_\_\_\_\_
6. Explain why AI is not used extensively in sheep breeding  
programs and explain how semen is evaluated. \_\_\_\_\_
7. Grade a line of 15 fleeces. \_\_\_\_\_
8. Attend a livestock auction or wool sale. \_\_\_\_\_
9. Explain the relationship between nutrition and reproduction. \_\_\_\_\_
10. Explain the seasonally polyestrous nature of the sheep and the  
controlling mechanisms. \_\_\_\_\_
11. Explain how semen is evaluated. \_\_\_\_\_
12. Explain what management practices are performed at lambing  
time. \_\_\_\_\_
13. Explain what common impurities and defects are found in wool,  
and what factors contribute to the shrink or yield of a fleece. \_\_\_\_\_

**Personal Development Options: (Fill in options from page 7.)**

1. Prepare a fifteen-minute speech related to your 4-H projects  
and present it to any group. \_\_\_\_\_
2. Bring your project record books up to date. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

**Citizen's Pride Options: (Fill in options from page 8.)**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

**SPECIE: Sheep**

**LEVEL: VI – NAME: 4-H Animal Scientist**

**Date  
Passed:**

**Approved  
By:**

**Skill Options: (Choose 10)**

1. Write a report on the sources, functions and deficiency symptoms of vitamins and minerals (500 word minimum). \_\_\_\_\_
2. Name five common sheep diseases, their causative organisms, symptoms, treatments and prevention. \_\_\_\_\_
3. Write a report on genetics (300 word minimum). Describe the inheritance of single gene traits and multiple gene traits such as growth and wool production. \_\_\_\_\_
4. Identify the retail cuts of lamb. \_\_\_\_\_
5. Organize a lamb promotional activity. \_\_\_\_\_
6. Study five careers related to the sheep industry. List the advantages and disadvantages of each. \_\_\_\_\_
7. Explain what factors are important in selecting market show lambs, breeding ewes and rams. \_\_\_\_\_
8. Name 5 hormones, the point of production, target organ and function of each. \_\_\_\_\_
9. Explain how to select for increased carcass merit. \_\_\_\_\_
10. Explain the life cycle of the sheep ked and common stomach work and list the proper control methods of external and internal parasites. \_\_\_\_\_
11. Explain two types of crossbreeding programs. \_\_\_\_\_
12. Demonstrate or explain how to tube feed weak new born lambs, and how to properly “graft” a lamb to a ewe. \_\_\_\_\_

**Personal Development Options: (Fill in options from page 7.)**

1. Bringing your project record books up to date. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_
6. \_\_\_\_\_

**Citizen’s Pride Options: (Fill in options from page 8.)**

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

**PERSONAL DEVELOPMENT OPTIONS:** (Choose different options for each level.)

1. Lead the Pledge of Allegiance and 4-H Pledge at a meeting.
2. Preside at a meeting.
3. Lead a song or game at a meeting.
- \*4. Write a news story for a local paper.
5. Write a column for your club's newsletter.
- \*6. Participate in a radio program.
- \*7. Participate in a television program.
8. Serve as chairman of a committee.
- \*9. Participate in a judging or evaluation contest.
- \*10. Serve as a Junior Leader.
- \*11. Serve as a Teen Leader.
12. Attend a 4-H camp.
13. Be a Teen Counselor at camp.
14. Serve as clerk, chairman or ring steward at a show.
15. Develop a display, which is related to 4-H.
16. Make arrangements for a tour by your club.
17. Arrange for a film to be shown at your club meeting.
18. Secure a speaker for a club meeting.
19. Participate in Achievement Day.
20. Plan a function for your club separate from a regular meeting.
21. Give a demonstration to your 4-H Club or other group on a topic unrelated to your project.
22. Prepare a scrapbook of your 4-H activities.
23. Serve as a host for a 4-H meeting. Make arrangements for refreshments.
24. Attend a livestock tour or field day and give a report at your club meeting.
25. Set 4-H, educational and career goals for yourself. Write them down.
- \*26. Develop some options of your own with your leader's approval.

**\*These may be repeated in different levels.**



**CITIZEN'S PRIDE OPTIONS:** (Choose different options for each level.)

- \*1. Prepare a display that would be educational or helpful in stressing:
  - A. Clean air, water or land
  - B. Conservation of natural resources
  - C. Safety
- \*2. Organize a Club Community Service Project.
- \*3. Participate in a Club Community Service Project.
  4. Do something to physically improve your neighborhood.
- \*5. Do a chore for someone who needs help.
  6. Organize a clean-up committee for helping to keep your school and school grounds clean.
  7. List the safety hazards you see around your house or neighborhood.
  8. Design an escape plan for the members of your family in case your house should catch on fire.
  9. Make a poison safety check in your own home.
10. Visit a hospital, clinic or nursing home. What can you do to help with the welfare of those you visited? Make a plan and carry it out.
- \*11. Personally collect clothing or canned goods for the needy.
  12. Obtain and paint public trash receptacles.
  13. Help to plant trees, shrubbery, or flowers around churches, community buildings and/or public places.
  14. Conduct a home energy conservation survey in three homes.
  15. Interview a leader or member of a religious denomination that is unfamiliar to you.
  16. Make a toy for the nursery in your place of worship.
  17. Sing in a youth choir.
  18. Write a letter to the editor of your newspaper (attach a copy to your 4-H record).
  19. Attend a city or county court hearing while it is holding trial by jury.
  20. Interview a public official to see what they do.
  21. Tour your city hall or courthouse.
  22. Run for a school, class or club office. Develop your platform and run your campaign.
  23. Invite your state representative to speak to your 4-H Club or county 4-H group.
  24. Read a daily newspaper every day for five days. Make a list of current problems affecting New Mexico and the United States. Decide what you can do to help solve those problems. Make a plan of action and carry out the plan.
- \*25. Develop some options of your own with your leader's approval.

**\*These may be repeated at different levels.**

\_\_\_\_\_ has completed all requirements for  
(Name)

Level \_\_\_\_\_ of the \_\_\_\_\_ Advancement Program.  
(No.) (Type in Specie)

Approved by:

\_\_\_\_\_  
Club Leader Date

\_\_\_\_\_  
Advancement Committee Date

This certifies that \_\_\_\_\_ has completed all requirements for  
(Name)

Level \_\_\_\_\_ of the \_\_\_\_\_ Advancement Program.  
(No.) (Name of Specie)

Approved by:

\_\_\_\_\_  
Club Leader Date

\_\_\_\_\_  
Advancement Committee Date



## College of Agricultural, Consumer and Environmental Sciences

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