

SWINE ADVANCEMENT LEVELS



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



SPECIE: Swine

LEVEL: II – NAME: Novice

**Date
Passed:**

**Approved
By:**

Skill Options: (Choose 10)

1. Name the nutrients that are essential in hog rations and a source of each one. _____
2. Write a report on various hog feeds available in your area. (150 word minimum). _____
3. Name the most common external parasites that affect hogs. _____
4. Explain the differences between rations formulated for growth and those formulated for maintenance. _____
5. Demonstrate dressing procedures for a show. _____
6. What vaccinations are given to hogs? Why? _____
7. How many hogs are there in New Mexico? U.S.? World? _____
8. Compare the advantages and disadvantages of hand-feeding to those of self-feeding. _____
9. Visit a packing plant. _____
10. Build a fogger. _____
11. Explain what facilities and equipment are needed to raise hogs. How do the facilities needed for breeding operation differ from those required for raising market hogs? _____
12. Detail the life cycle of the large roundworm and outline methods of control. _____
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 | Registered & Commercial Breeders |
| Extension Livestock Specialist, NMSU | Veterinarians |
| N.M. Brand Inspectors | Encyclopedia |

SPECIE: Swine

LEVEL III: – NAME: Apprentice

**Date
Passed:**

**Approved
By:**

Skill Options: (Choose 10)

1. Formulate rations for three different protein levels. _____
2. Outline basic showmanship rules. _____
3. Explain what equipment is needed at a fair. _____
4. Demonstrate proper methods of storing medications, sterilizing equipment, filling syringes and administering vaccinations. Include safety precautions. _____
5. Demonstrate how to ear-notch pigs. _____
6. Correctly spell and define the following traits: chromosome, heritability, genotype, phenotype, inbreeding, linebreeding, crossbreeding, and hybrid vigor. _____
7. Explain the purpose of breed and industry associations. _____
8. Explain the USDA hog grading systems. _____
9. Explain the purpose of A.I. and the advantages and disadvantages of utilizing it in a swine breeding program. _____
10. Explain the management practices performed at farrowing time. _____
11. Explain how semen is evaluated. _____
12. Enter a showmanship contest. _____
13. _____

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

1. Give a demonstration/illustrated talk to your club or another group. (15 minute minimum) _____
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: Swine

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 swine diseases, their causative organisms, symptoms treatments and control. _____
3. Write a report on genetics (300 word minimum). Demonstrate how to construct and use a punnet square. _____
4. Organize a pork promotional activity. _____
5. Study five careers related to the swine industry. List the advantages and disadvantages of each. _____
6. Study different types of management systems. Develop your own plan for a 200 sow confinement operation. Include facilities, breeding system, rations, marketing procedures, and all other management practices. _____
7. Demonstrate how to trim fat. _____
8. Calculate dressing percentage. Explain how treatment prior to slaughter can affect it. _____
9. Compare the USDA grades with the grades used in the most common form of merit buying. _____
10. Learn the swine certificate program. _____
11. Learn the heritabilities for the important production traits. _____
12. Show how production traits are related to pure and crossbreeding. _____
13. _____

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 a 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 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 at 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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