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SWINE ADVANCEMENT

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Club Series # 29

March 1961



Cooperative Extension Service
Oregon State University
Corvallis

Oregon 4-H

Swine Advancement Program

The 4-H Advancement program:

- Will make your 4-H swine project more interesting.
- Will help you learn more about hogs.
- Will help you develop greater skill with pigs.
- Will give you credit for extra work done.
- Will allow you to advance according to your ability and your willingness to work and study.
- Is a voluntary activity. It is not a requirement of the 4-H swine project, but is something you can do because you want to.

The 4-H Swine Advancement program will become an important part of your livestock project. It will be considered a part of your project record and will be checked along with your other records for county and state awards.

In order to get more information about your project, you will have to look through many pamphlets and books. Most of the answers to the questions asked in the advancement program can be found in your project booklet. Ask your county agent for additional USDA and Oregon State University bulletins. Livestock breeders in your county will also be glad to help you with useful, practical information.

Your local vocational or agricultural instructor will lend a helpful hand too. The leader of your 4-H club will want to give you useful suggestions and guide you along the way.

For Steps I, II, and III you must do 10 or more jobs. Do them all if you can. With the approval of your leader, you may write in one or two additional jobs and include them in the 10 you select.

As you do each job, fill in the date and have your leader or parent initial it. When you have done the required number of jobs for a step, tell your leader that you are ready to appear before the advancement chairman or committee. The committee will ask you questions and review the work you have done. If they decide that you are qualified, you will receive an Advancement Certificate. If you do not qualify, you may try again at another time.

When you have passed Step I, go after Steps II, III, and IV. You can do jobs for higher steps while you are working on a lower step, but you cannot qualify for the higher step until you have passed all preceding steps.

Study each job carefully. Do your work well. Good luck.

Step I. Pig Feeder

Date
passed

Approved
by

1. Identify, describe, and tell the important characteristics of five breeds of swine.
2. Name, point out, and spell the following parts of a pig: snout, jowl, back, loin, ham, shoulder, chest, side, hock, pastern, dew claw, hoof, teat, heart-girth.
3. Describe or explain and spell: barrow, gilt, sow, boar, castrate, feeder pig, stag, farrow, needle teeth, self-feed, ear notch, crossbred, meat-type hog, parasite, weaner pig, wean, erect ear.
4. Describe desirable characteristics of the following terms: arch of back, length of body, depth of body, size of ham, meatiness, bone, jowl, legs and feet, smoothness.
5. Describe the following characteristics and tell why they are undesirable: weak back, shallow body, narrow body, rough shoulders, excessive fat, weak pasterns.
6. Provide fresh water and clean feed for your pigs.
7. Provide adequate shelter and a hog proof fence for your pig(s). Remove nails, wire, glass, and sharp corners from your pen that might cause injury. Keep the sleeping area clean and dry.
8. Teach your pig to drive and to stop and turn as you direct. Never strike or abuse your pig.
9. Control lice, fleas, and other external parasites on your pig(s). Tell how you did the job.
10. Complete a 4-H livestock record on your swine project.
11. Make a report on hogs or hog management at a 4-H club meeting. Examples: Control of lice or mange; the importance of fresh water; why I like the swine project; a ration for a growing pig.
- 12.
- 13.

..... is qualified and has completed all requirements for Step I of the 4-H Swine Advancement Program

Approved by
Advancement chairman or committee Club leader

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Step II. Junior Swine Herdsman

Date
passed

Approved
by

1. Learn the market grades of hogs and preferred weights for market.
2. Identify and locate the following retail cuts: ham, bacon, picnic, boston butt, spare ribs, pork chops, pork steak.
3. Explain and spell the following swine terms: gestation, gestation period for swine, heat, interval between heat periods, service, testicle, scrotum, fetus, afterbirth, semen, vaccinate, ringing, swirl, tusk, rupture, wart, purebred, registered, breed association, dressing percentage, market grades.
4. Describe and tell the use of the following equipment: farrowing crate, guard rail, self-feeder, self-waterer, hypodermic needle or syringe, vaccine, serum, hoof nippers, ringer, hog holder, loading chute, creep, trough, crate, brush, curry comb, side cutting pliers or wire cutters.
5. Describe the control for three external or internal parasites: lice, fleas, flies, round worms, tape worms, or mange. Undertake the control of at least one parasite and report the methods used and results to your club.
6. Learn the names and values of common swine feeds such as barley, oats, corn, whey, tankage, pasture, alfalfa meal, fish meal, meat scraps, soybean meal, and linseed meal.
7. Tell the function of proteins, carbohydrates, fats, water, vitamins, and minerals in a ration.
8. Describe and tell the merits of five types of feed preparation—grinding, rolling, hammering, soaking, pelleting, etc.
9. Complete a 4-H Feed and Growth Record for at least one market pig.
10. Give a demonstration of hog management at a 4-H club or other meeting.
- 11.
- 12.

..... is qualified and has completed all requirements for Step
Name of club member *Age* *Club No.*
 II of the 4-H Swine Advancement Program
Date

Approved by
Advancement chairman or committee *Club leader*

Step III. Senior Swine Herdsman

Date
passed

Approved
by

1. Do one of the following: (A) Collect, label, and display 5 forage plants, 4 cereals, 3 protein supplements, and 2 minerals suitable for hogs. (B) Give or write a report on a pasture program for swine in your area. Include soil preparation, seeding, seed mixture, irrigation, weed control, fertilization, rotation and use.
2. Start a personal library on swine and swine management. Include bulletins, magazines, and books on feeds and feeding.
3. Describe and explain the prevention or control of three of the following diseases: anemia, rhinitis, cholera, erysipelas, scours, brucellosis, rickets, tuberculosis.
4. Visit a packing house or a commercial or purebred swine operation and give a report on your visit.
5. Prepare and present a public demonstration on hogs.
6. Study changes in market prices of No. 1 hogs by weeks for one year. Prepare a chart showing these price changes by weeks.
7. Identify, describe, and tell the important characteristics of three breeds each of dairy cattle, beef cattle, and sheep.
8. Know these livestock terms: steer, wether, udder, milk vein, fine wool, medium wool, long wool, artificial insemination, abortion, pedigree, polled, progeny test, ruminant.
9. Trim the hooves, castrate, ear notch, or ring a pig.
10. Learn how to register an animal. Fill out a registration blank. Explain the value of a junior membership in a breed association.
11. Attend a livestock tour or field day.
12. Name three characteristics of conditions that are inherited and three caused by feeding and management.
13. Demonstrate how to shub a pig so you can trim its feet.

..... is qualified and has completed all requirements for Step
 Name of the member Age Club No.
 III of the 4-H Swine Advancement Program
 Date

Approved by
 Advancement chairman or committee Club leader

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Step IV. Master Swinegrower

Date
passed

Approved
by

Do three or more Group A jobs and one from Group B.

Group A—Leadership Jobs

1. Become a junior leader in a 4-H livestock club.
2. Serve as a superintendent, assistant superintendent, or clerk at a 4-H livestock show.
3. Get three or more new members for your club or help organize a new livestock club.
4. Help organize and conduct a livestock tour or showmanship or judging field day.

Group B—Research Jobs

Study, prepare a paper (300 words or more), and give a report on one of the following topics:

1. General management of one kind of livestock.
2. Livestock feeds, feeding, and nutrition.
3. Reproduction, breeding, and genetics.
4. Prevention and control of a disease.
5. Using records as a basis for improving livestock.
6. Explain the significance of back fat in pigs and how to measure it.

..... is qualified and has completed all requirements for Step
IV of the 4-H Swine Advancement Program
Name of club member Age Club No. Date

Approved by
Advancement chairman or committee Club leader

Swine Publications

USDA F.B. 1261. Breeds of Swine.

USDA F.B. 1357. Castration of Hogs.

USDA F.B. 1787. Internal Parasites of Swine.

USDA F.B. Leaflet 381. Infrared Lamp—Their Use in Brooding Pigs.

USDA F.B. Leaflet 429. The Meat-Type Hog.

PNW Bulletins 24, 26, and 27. Demonstration Helps.

OSC Club Series H-25. Your 4-H Swine Project.

OSC Club Series. Showmanship and Herdsmanship Guides.

OSC E.C. 654. So You Want to Raise Hogs.

OSC E.C. 727. Hog Houses and Equipment.

Any of the swine breeders' associations will have helpful material; get their addresses from your county extension agent.