

# SWINE Activity Sheet – 2019

## Level 2 – Grades 6-7-8

COMPLETE PACKET DUE JUNE 28 to the Extension Office



4-H Member: \_\_\_\_\_ 4-H Club: \_\_\_\_\_

Grade in School (January 1, 2019) \_\_\_\_\_ Years in this project \_\_\_\_\_

Signature of 4-H Member verifying that you have completed these activities:

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Signature of Parent that you have reviewed this information:

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### What you will do in this project:

- Enroll in the 4-H program by **January 15**.
- All exhibitors must identify animals on Indiana 4Honline **by May 15**. Every animal exhibited, including carcass must be entered. Help in reading ear-notches is located in Chapter 10 of the OSU Swine Resource Handbook.
- 4-H members wishing to exhibit at the Indiana State Fair will also need to submit DNA hair samples by the stated deadline.
- All exhibitors must complete FairEntry online by published deadline.
- Complete the project by completing all Activity sheets in full.
- **THIS ENTIRE PACKET is due in the Extension Office by June 28 – no exceptions. See 4-H Rulebook for consequences.**
- Attend County 4-H Swine workshops when offered. For each workshop yo attend, gives you a point to move up in the draw for pens.
- Recommend that the 4-H family purchase and review the project resource manual – OSU Swine Handbook.
- Refer to the Allen County 4-H Rules Book for a complete listing of all regulations concerning this project.
- Current health rules as specified by the Indiana Board of Animal Health must be complied with and all health papers will be checked before unloading.
- If showing purebred pigs, obtain the necessary registration papers.
- Barrows and gilts must weigh between 220 and 300 pounds to be auctioned.
- To exhibit beef cattle, dairy cattle, swine, sheep, meat goats, dairy goats, poultry and rabbits, 4-H members must be certified through the Youth for the Quality Care of Animals program. This is an annual program that can be completed via online modules or in-person trainings. For more information about in-person trainings in your county, please contact your County Extension Office. More information about YQCA is available at <http://yqca.org/>. **Attach copy of card.**
- Join Remind to get updates. Text to 81010 and text @allenswine in message.

### Management Tips:

- Provide clean, fresh drinking water to swine at all times. A 225 pound pig drinks 1 to 1 ½ gallons of water a day. Consumption may increase in hot weather.
- Feed is the greatest expense in raising hogs and swine need a balanced diet each day. Weigh your animal often to measure rate of gain for each animal.
- In hot weather, hogs need protection from sun and heat.
- Consult your veterinarian to establish a good health program for vaccinations and controlling external and internal parasites.
- If medication is given to your animal observe the withdrawal to slaughter date prior to sending your animal to market. Remember some feeds are also medicated.
- Start working with your animal at least one month prior to the fair. Take the animal out daily for a walk and teach it to respond to guidance by a pipe or whip.
- Keep accurate records.

## 4-H Animal Care:

The Indiana 4-H program strongly supports positive animal care and strongly opposes animal abuse. 4-H is also dedicated to the mission of developing youth and volunteers through "Learning by Doing" programs. 4-H livestock projects teach life skills such as acquiring knowledge, making decisions, and applying leadership skills.

- When working and caring for animals, it is important to insure that appropriate safety measures are in place for both the animals and the persons who care for them. Therefore, there is no substitute for knowledge, common sense, and experience.
- Animal handlers should study and learn to anticipate an animal's reaction and try and avoid problem situations. It is most important that 4-H members understand an animal's behavior so one can "outsmart" not "out-muscle" an animal. Foremost in the 4-H'er mind should always be safety of the handler and the animal. Moving animals is more of an art than a science. Movement of animals requires planning and knowledge to accomplish it with the least amount of time, effort and stress to the animal.
- An animal's good health is often directly related to the environmental factors associated with its living space. The presence of predators, dust, odors, pests, temperature, and humidity has a direct effect on an animal's well-being.
- Animals react favorably to daily care and comfortable housing. Consideration should also be given to specific animal needs such as size of their housing space, lighting, and ventilation. The best facilities and equipment cannot and should not be a substitute for daily observation and careful attention to signs of illness, injury, and/or unusual behavior.
- Frequent consultation with your veterinarian is a must. Reasonable attention must always be given to the use of drugs and their approved withdrawal times.

1. \_\_\_\_\_ was the person who first introduced pigs to North America in what year?
  - a. 7000 B.C.
  - b. 1492
  - c. 1500
  - d. 1539
  - e. 1825
  
2. The foundation for the modern U.S. pork industry was the introduction of the Old World's \_\_\_\_\_ to the New World's \_\_\_\_\_.
  
3. Name four things you should know after deciding to take a 4-H swine market and or breeding project:
  - a. \_\_\_\_\_
  - b. \_\_\_\_\_
  - c. \_\_\_\_\_
  - d. \_\_\_\_\_
  
4. Which breed of hog originated in Butler and Warren counties in Ohio? \_\_\_\_\_
  
5. Structural \_\_\_\_\_ and \_\_\_\_\_ are important for profitable pork production.
  
6. The presence of the Napole Gene is associated with what three muscle qualities?
  - a. \_\_\_\_\_
  - b. \_\_\_\_\_
  - c. \_\_\_\_\_
  
7. In regards to the stress gene, match the genotypes below:
 

_____ nn	a. Stress Carries
_____ Nn	b. Normal
_____ NN	c. Stress Positive
  
8. Which of the above produces the carcass with the highest amount of lean? \_\_\_\_\_  
 Which produces pale, soft, exudative carcasses more than 90% of the time? \_\_\_\_\_
  
9. LMA stands for \_\_\_\_\_

10. The average loin muscle area in swine is between \_\_\_\_\_ and \_\_\_\_\_ square inches.
11. Why don't packing companies split the loin to assess loin muscle area?  
\_\_\_\_\_
- What do packing companies do instead of splitting the loin? \_\_\_\_\_
12. It is estimated that 90% or more of the swine herds in the United States are infected with this chronic disease.  
\_\_\_\_\_
13. Infection with internal parasites is usually acquired by \_\_\_\_\_
14. Due to their colorblindness, hogs have extreme sensitivity to \_\_\_\_\_
- a. Colors
  - b. Contrast
  - c. Clarity
  - d. Corn
15. Swine are cautious when moving from one type of \_\_\_\_\_ to another.
16. List three items of equipment that an animal handler can use to protect themselves when working with livestock.
- a. \_\_\_\_\_
  - b. \_\_\_\_\_
  - c. \_\_\_\_\_

Answers can be found in the OSU Swine Resource Handbook.

# *ALLEN COUNTY 4-H LIVESTOCK RECORD*



*Records serve as a way to measure your own success with a project. When answering these questions, you should be able to see where improvements can be made for next year and if you wish to continue with this project for another year.*

**For this Project Record:**

Why did you choose to raise and care for these animals this year?

How many animals did your family manage for this project year? \_\_\_\_\_

Tell us about your pigs in a few sentences.

What factors did you consider in selecting your animals this year?

What are your plans for your animals after the fair?

How was your animal sheltered, fed, and watered this year?

What do you plan on improving for next year?

List something that you learned this year that you did not know before.

What precautionary factors did you take to limit disease in our pigs?

If you did encounter disease, how did you treat/manage this situation?

**State Board of Animal Health Premise Identification Number that your pigs are coming from:** \_\_\_\_\_

**# of pigs YOU are individually showing at Fair? (Not total for your family showing)**

\_\_\_\_\_

**Who do you want to pen with?** \_\_\_\_\_

#### Workshop Information

Please get the signature of a swine executive committee member at the workshop. Each signature will get you a point to move up in the drawing for pens at the Fair.

Workshop Topic: \_\_\_\_\_ Date: \_\_\_\_\_

Workshop Topic: \_\_\_\_\_ Date: \_\_\_\_\_

Workshop Option: Allen County Swine Open Show

Set Up Signature: \_\_\_\_\_ Tear Down Signature: \_\_\_\_\_

Did you do Showmanship? YES NO      How many pigs did you show? \_\_\_\_\_

Any suggestions to improve the show for next year:

\_\_\_\_\_

\_\_\_\_ Completed On Line 4-H Enrollment by January 15, 2019

\_\_\_\_ Completed Animal ID on Line by May 15, 2019

\_\_\_\_ Completed Fair Entry on line by June 28, 2019

\_\_\_\_ Attach copy of YQCA card

\_\_\_\_\_

State Fair

\_\_\_\_ Submitted DNA to Extension Office by due date May 15, 2019