

Instructional Scenario

Exploring Livestock and Poultry Production



Course/Duty Area: Agricultural Production Technology/Understanding Animal Health of Livestock

Scenario:

Blake, a student, purchased two pigs for the local market animal show that takes place each May. He purchased both of his pigs from a breeder in Indiana. When he picked up the pigs, he asked the breeder the following questions:

1. What vaccinations have the pigs been given?
2. What environment have the pigs been raised in?
3. What deworming medication was used, and when was it administered?

Blake wrote down the information in his livestock notebook to transfer to his AET account, to document the information for his SAE. The breeder informed Blake that the pigs were raised in a confinement operation where the temperature was consistently between 75 and 80 degrees.

Big Questions:

- What is the importance of developing and implementing a vaccination schedule and using deworming medications in swine?
- Why is the environment pigs are raised in important?

Focused Questions:

1. What is the difference between a pig and a hog?
2. What are the terms used for males and females?
3. When raising pigs, what vaccination schedule should be implemented to ensure optimal health?
4. What internal parasites are most common and costly in pigs?
5. What types of symptoms do pigs infested with worms exhibit?
6. How often should pigs be dewormed? What methods can be used to deworm pigs, and what types of products can be used?
7. What are the basic facilities and equipment needed for a sustainable hog production enterprise?
8. What is a pig's nutritional requirements for proper growth, development, and health maintenance?
9. Why should pork producers be familiar with the Pork Quality Assurance Plus Education Handbook?

Project-Based Assessment:

Design a vaccination program to produce market hogs, using poster board.

Teacher Resources:

- 4-H 1064 Your 4-H Market Hog Project, 4-H Youth Development, Michigan State University Extension (<https://johnston.ces.ncsu.edu/wp-content/uploads/2016/04/4-H-Market-Hog-Project4.pdf?fwd=no>)
- 4-H Animal Science Web Series: Swine Management, Purdue Extension (<https://www.youtube.com/watch?v=Hcaf2bhGnNE>)

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