



SWINE PROJECT RECORD BOOK 2024

Name: _____

4-H Club/FFA Chapter/Open: _____

Leader: _____

Age (as of January 1): _____

Years in Project Area: _____

Record Started: _____ Record Closed: _____
Month / Day / Year Month / Day / Year

Check One

Junior:
8-11 years old

Intermediate:
12-14 years old

Senior:
15-19 years old

Record Book Instructions:

DON'T CHANGE THE PAPER:

Completed record books must be on standard letter sized (8.5"x11") white paper and HANDWRITTEN. There are classes in still exhibits for scrapbooks so please leave these types of books there. Minor embellishments are allowed and neatness is encouraged. Books must be fastened with a staple in the upper right hand corner or secured inside a 3 ring binder or folder and MUST include all pages.

DON'T BE LATE... KNOW THE DUE DATE:

The date and time to turn-in a completed record book will be listed on the Schedule of Events for Exhibitors printed in the front of the Fair Book. Swine record books are due immediately after weigh in. Boxes with age divisions will be labeled and set out for your convenience at this time.

USE THE RIGHT RESOURCES:

Good resources to help complete this record book is the publication "Your 4-H Market Swine Project" (4-H1064) which is available by loan at the Gratiot County MSU Extension (4-H) Office and the "Swine Resource Handbook" (OSU Extension 4H134R) is available for checkout at the MSU Extension Office. Some answers will be found at gcffy.org and inside the fair book general and species rules.

All about my swine project...

For this section use the animal the exhibitor will most likely exhibit at the fair.

Name (or identification) of my animal: _____

Tag Number: _____ Breed: _____

Color(s): _____ Date of Birth: _____ Actual Birthdate
 Estimated Birthdate

Special Markings: _____

Please Check One: Purchased Raised Date of purchase: _____

Please Check One: Gilt Barrow

Purchase Price: _____ If you raised your animal, list the estimated market value.

A completed record book should have photos of your animal. At minimum this book should have a beginning and ending picture. Photo captions are encouraged. Up to two extra pages can be included behind this page within this record book.

All about my swine project...

You may choose to do the weight record **OR** the essay. You may do both the weight record and the essay for this record book, however, you will NOT be scored for both. The points scored for whichever choice you make will be the same. The fair recommends all market exhibitors weigh their animals frequently but understands that access to a scale is not always available.

Choice 1 - Weight Record:

You do not need to do the essay "Choice 2" below if you complete this section.

It is recommended to weigh your market swine animal(s) at least once each month. Use one chart for up to four animals. These should be the same (up to) four market swine animals registered on the market swine registration form.

ANIMAL ID					
DATE	METHOD <small>Scale, tape, etc.</small>	WEIGHT	WEIGHT	WEIGHT	WEIGHT
beginning					
Final					
Describe changes made based on information you gathered collecting these weight data.					

Choice 2 - Project Essay:

Do not complete the weight record "Choice 1" above if you complete this section.

Write and attach to your completed book an essay from one of these two essay topic choices. Junior exhibitors complete an up to half page essay. Intermediate Exhibitors complete an up to one page essay. Senior Exhibitors complete an up to 2 page essay. **Topic 1:** Explain what Ractopamine is and why most processors do not want it in pork they will process. **Topic 2:** What are five characteristics a Grand Champion Hog will encompass? Why are these characteristics important?

Essays have the same possible points as the above weight section.

My project expenses:

List all expenses for this market project and record the cost spent under the proper account. If your family/farm is providing feed, please estimate an approximate value. Add additional sheet if necessary. Items should include feed, vaccines, bedding, supplies, etc.

How many animals are in this project? This can be your likely project animal along with backup animals.					
Date of purchase	Purchase Description	Feed Cost	Vet/Health Cost	Bedding Cost	Other Cost
TOTAL Column Expenses					
TOTAL Project Expenses: (find by adding Total Column Expenses together)					
AVERAGE Cost per animals (total project expenses divided by number of animals raised.)					

My business plan:

The following calculations will help you learn about your ability to earn a profit for your participation in this project. Often the profit margin for industrial swine facilities have a slim profit margin. Let's see how you compare.

Average cost per animal (from prior page): _____

Purchase cost (of primary project animal): _____

TOTAL EXPENSES (WHOLE PROJECT) _____

Number of Project Animals in this report: _____

AVERAGE COST PER ANIMAL: _____

Finished Weight of Project Animal: _____

Finished weight can be taken at home anytime during the week prior to fair or it can be the fair's official market weight.

BREAK EVEN PRICE: _____

To calculate break-even price divide the average cost per animal by finished weight.

What is the current market price of market animal? _____

A good source to find the current market price is the National Daily Hog and Pork Summary. If using this report use the weighted average under the National—LM HG203 on the table. Prices on this report will be calculated PER 100 LBS. Divide that amount by 100 to find the price per pound.

Would have you been able to make a profit if you would have sold your market hog at a stock yards at this current market price rather than the fair's livestock sale? Why or why not?

What awards would you like to see given out at our fair? Is there another division you'd like to add, or changes made to awards given? Please let us know.

Keeping my swine project healthy:

Listed below are diseases that affect pigs. Provide symptoms of the disease and prevention or treatment of disease.

PED: _____

Erysipelas : _____

Rhinitis: _____

Classic Swine Fever: _____

List at least three steps you can take to keep your pig healthy. _____

My General Pig Knowledge:

Reading Feed / Drug Labels

Using the drug label from the next page, please answer the following questions.

1. How should this medication be administered?

2. Where should this product be stored when not in use?

3. What is the withdrawal time for Swine?

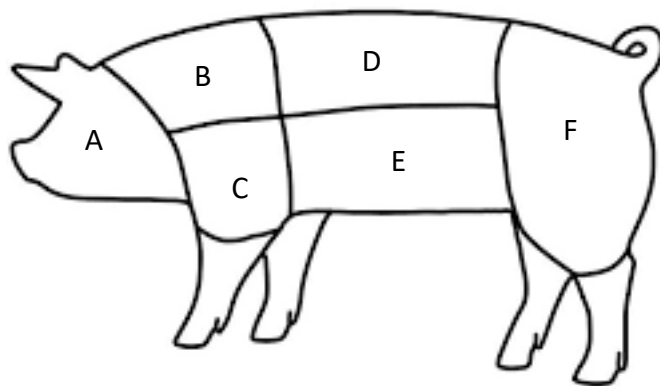
4. What does withdrawal time mean?

5. What dosage would you give a pig weighing 200lbs _____

6. How many injection sites would be needed for a pig weighing 300lbs? _____

Cuts of Meat:

Identify the cuts of meat from this chart.



Pork

Label From	Label the cuts of meat.
A	
B	
C	
D	
E	
F	



Baytril[®] 100

(enrofloxacin)



100 mg/mL Antimicrobial Injectable Solution

For Subcutaneous Use In Beef Cattle And Non-Lactating Dairy Cattle
For Intramuscular Or Subcutaneous Use In Swine
Not For Use In Female Dairy Cattle 20 Months Of Age Or Older
Or In Calves To Be Processed For Veal

CAUTION: Federal (U.S.A.) law restricts this drug to use by or on the order of a licensed veterinarian. Federal (U.S.A.) law prohibits extra-label use of this drug in food-producing animals. To assure responsible antimicrobial drug use, enrofloxacin should only be used as a second-line drug for colibacillosis in swine following consideration of other therapeutic options.

Bayer HealthCare LLC, Animal Health Division
Shawnee Mission, Kansas 66201 U.S.A. Made in Germany
NADA 141-068, Approved by FDA

250 mL

Bayer

INDICATIONS: For the treatment and control of respiratory diseases in cattle and swine. For the control of colibacillosis in swine. See package insert for complete indications for use.

CONTAINS PER mL: Enrofloxacin 100 mg. Excipients: L-arginine base 200 mg, n-butyl alcohol 30 mg, benzyl alcohol (as a preservative) 20 mg and water for injection q.s.

DOSAGE AND ADMINISTRATION:

Cattle: Single-Dose Therapy (BRD Treatment): Administer, by subcutaneous injection, a single dose of 7.5-12.5 mg/kg of body weight (3.4-5.7 mL/100 lb).

Multiple-Day Therapy (BRD Treatment): Administer daily, a subcutaneous dose of 2.5-5 mg/kg of body weight (1.1-2.3 mL/100 lb). Treatment should be repeated at 24-hour intervals for 3-5 days.

Single-Dose Therapy (BRD Control): Administer, by subcutaneous injection, a single dose of 7.5 mg/kg of body weight (3.4 mL/100 lb). See insert for examples of conditions that contribute to high risk. Administered dose volume should not exceed 20 mL per injection site.

Swine: Administer, either by intramuscular or subcutaneous (behind the ear) injection, a single dose of 7.5 mg/kg of body weight (3.4 mL/100 lb). Administered dose volume should not exceed 5 mL per injection site. For the control of colibacillosis, administration should be initiated within the first 60 days post-weaning when clinical signs are present in at least 2% of the animals in the group. See package insert for full dosage and administration information. Use within 30 days of first puncture and puncture a maximum of 30 times with a needle or 4 times with a dosage delivery device. Any product remaining beyond these parameters should be discarded.

RESIDUE WARNINGS:

Cattle: Animals intended for human consumption must not be slaughtered within 28 days from the last treatment. This product is not approved for female dairy cattle 20 months of age or older, including dry dairy cows. Use in these cattle may cause drug residues in milk and/or in calves born to these cows. A withdrawal period has not been established for this product in pre-ruminating calves. Do not use in calves to be processed for veal.

Swine: Animals intended for human consumption must not be slaughtered within 5 days of receiving a single-injection dose.

HUMAN WARNINGS: Not for use in humans. Keep out of reach of children.

For customer service or to obtain product information, including a Safety Data Sheet, call 1-800-633-3796. For medical emergencies or to report adverse reactions, call 1-800-422-9874.

STORAGE CONDITIONS: Protect from direct sunlight. Do not refrigerate or freeze. Store at 20-30°C (68-86°F), excursions permitted up to 40°C (104°F). Precipitation may occur due to cold temperature. To redissolve, warm and then shake the vial.

Read package insert carefully for complete details.

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B018
Lot No
Exp. Date

General Rules & Pig Knowledge:

Complete the following questions:

Market swine at the Gratiot County Fair for Youth must be between _____ lbs. and _____ lbs.

Hogs can usually gain _____ to _____ pounds per day.

Starting in 2020, GCFFY no longer allows this feed additive to be fed to hogs shown at GCFFY.

_____ Why? _____

What time must all fair animals be fed and watered and have their pens cleaned by? _____.

If proper care is not given to your animal the superintendent will place a _____ tag on

your pen and the exhibitor must _____

If there is a second offense, a _____ tag will be placed on your pen and the exhibitor must

List some things that can affect a hogs daily rate of gain _____

A pig needs to drink _____ pounds of water for every 1 pound of food it eats.

List four by products from pigs other than meat:

Choose two market swine breeds and list two characteristics of the breed.

Drug testing may be performed on market animals at _____ while on fairgrounds. Any animal found to be in violation, will be _____. Any animal containing substances at any level not in compliance with United States Food and Drug Administration and/or United States Department of Agriculture Food Safety Inspection Service safety standards; illegal substances and or tampered with animals will be disqualified. Any monies and awards awarded to the individuals, including proceeds will be _____.