



SWINE PROJECT RECORD BOOK

2021

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. 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.

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 annual Fair Book.

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 gcffv.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. If you are exhibiting both market and breeding stock, focus on one registered market steer.

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 not do both the weight record and the essay for this record book. 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:

Do not complete 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. If you are doing a breeding program this can be cattle being raised.

ANIMAL ID					
DATE	METHOD Scale, tape, etc.	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 African Swine Fever is and why is it a concern. **Topic 2:** With animal rights groups such as PETA looking to showcase animal abuse, what steps can you take to ensure your animal is raised comfortably. 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.

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 in project)					

My business plan:

The following calculations will help you learn about your ability to earn a profit for your participation in this agricultural project. Often in animal projects 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: _____

Note: 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 the stock yard (United Producers for example) at this current market price rather than the fair's livestock sale? Why or why not?

Keeping my swine project healthy:

Listed below are diseases that affect pigs. List if it is a virus or a bacteria and provide symptoms of the disease and prevention or treatment of disease.

Scours: _____

Anemia: _____

Rhinitis: _____

Pneumonia: _____

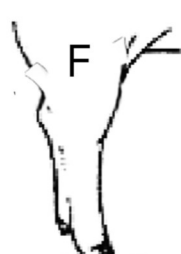
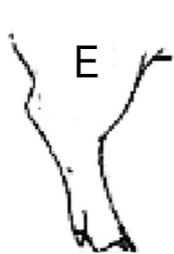
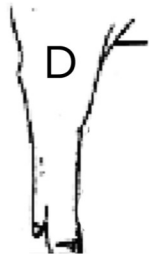
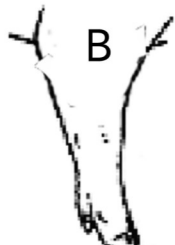
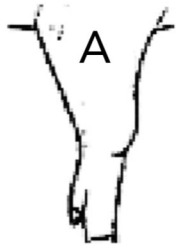
List steps you can take to keep your pig healthy. _____

My General Pig Knowledge:

Ages 8 to 19 complete the following questions:

Structural Differences:

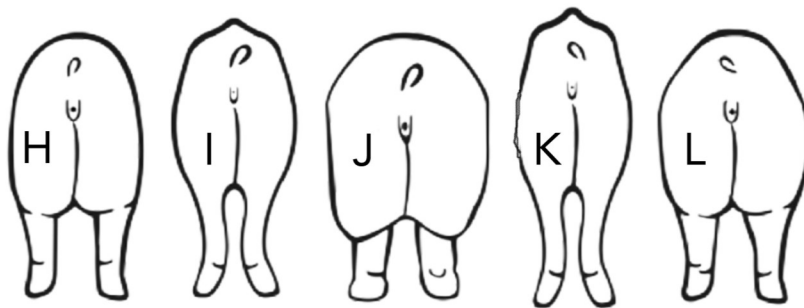
Identify the structural differences from this chart using the following listed differences. Note... some differences will be listed in two places and some pictures will have two different structural differences as answers (list both). Differences to place on the chart: *Correct, Knock-Kneed, Post-Legged, Sickle-Hocked, Weak Pasterns*



Label From Graphic	Structural Flaw or label as correct
A	
B	
C	
D	
E	
F	
G	

Condition Scores:

The five hogs below each have a different swine condition score. Place the Score, the Condition Name and the Body Shape in the table below.



Label	Score	Condition	Body Shape
H			
I			
J			
K			
L			

My General Pig Knowledge:

Ages 8 to 19 complete the following questions:

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

Animals weighing over or under the above weights can only show in _____ classes.

Ideal market weight for swine is _____.

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 _____

GCFFY exhibitors may only show _____ animals in showmanship classes. These animals must also be _____ and shown in these types of classes: _____, _____, _____, &/or _____. This does NOT include _____ or _____.

Ages 12 to 19 complete the following questions:

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

List vaccines that should be given to young pigs _____

When you got your hogs did you ask the breeder what vaccines had been given to your pig? _____

List things that are done to baby pigs as good management practices _____

Explain why we clip needle teeth on baby pigs _____

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

My market swine questions - continued.

What are measures we can take to prevent our visitors from becoming ill after visiting the fair? _____

Ages 15 to 19 complete the following questions:

Define a parasite: _____

List problems parasites can cause: _____

List examples of internal parasites: _____

List what can be used to control/treat internal parasites? _____

List examples of external parasites: _____

List what can be used to control/treat external parasites? _____

If you could change one thing about the fair, what would it be? _____
