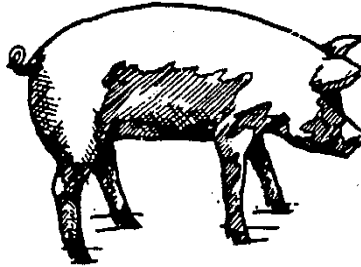


OCEANA COUNTY 4-H MARKET LIVESTOCK  
EDUCATIONAL NOTEBOOK/RECORD

HOG PROJECT- 2020

Ages 12 - 14



As a member of the 4-H Market Livestock Hog Project, you are required to submit your records as part of an educational notebook project in order to sell your animal at the 4-H Market Livestock Sale. **This notebook must be shown to the Oceana County 4-H Market Livestock Committee's Weighmaster at the time of weigh-in and then entered by you in the Educational Notebook Division of the Oceana County Fair on Entry Day.**

AGE: \_\_\_\_\_

**Remember:** The age you enter depends on how old you are or will be on Jan. 1, 2020

Number of years in project: \_\_\_\_\_

If you are a little buddy who is your big buddy: \_\_\_\_\_

Use this sheet as the first page of your project record book. Fill it out completely.

**Please print or type neatly.**

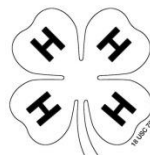
NAME \_\_\_\_\_

DATE OF BIRTH \_\_\_\_\_ GRADE \_\_\_\_\_  
Month Day Year

4-H CLUB \_\_\_\_\_

BREED \_\_\_\_\_ SWINE'S NAME \_\_\_\_\_

LOCATION WHERE ANIMAL IS RAISED \_\_\_\_\_



## JUDGE'S SCORE/COMMENT SHEET

**(PLEASE DO NOT: REMOVE, PLACE THIS SHEET IN SHEET PROTECTOR, OR GLUE TO COVER). This sheet must be kept free for the judge to write their comments.**

This sheet should help each 4-H'er understand their ribbon placing.

### A. **Specific educational value or worth**

- All questions were answered completely
- All calculations were correct
- Calculations were incorrect
- Questions were not completely answered
- Questions were not answered (missed questions)

### B. **Notebook contains all project records**

- Notebook contained all project records and were fully completed
- Notebook contained additional project related information (research materials etc.)
- Project records were incomplete
- There was no additional project related information

### C. **Accuracy, neatness and general appearance**

- Notebook was neat in appearance (typed/hand printed)
- Notebook pages were clean and stain free
- Notebook pages were in order and complete
- Notebook pages were out of order and missing pages
- Notebook was difficult to read and messy
- Notebook had wrinkled and stained pages

Other Comments: \_\_\_\_\_

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**4-H MARKET LIVESTOCK HOG NOTEBOOK**  
**AGES 12-14**

**TABLE OF CONTENTS**

*Please keep your notebook in Table of Contents order.*

- 1) GENERAL GUIDELINE INFORMATION
- 2) JOURNAL OF CARE
- 3) PROJECT INFORMATION
- 4) SPECIFIC PROJECT KNOWLEDGE
  - a) Marketing
  - b) Swine Diseases Matching
  - c) Breed Scramble & Matching
  - d) Parts of the Hog Identification
  - e) True or False- Project Rules Knowledge
  - f) Swine By-Products Word Find
  - f) 4-H Knowledge
- 5) YOUR PROJECT
- 6) MY 4-H STORY
- 7) BUYERS NAMES
- 8) NON-CLUB/CLUB POINTS SHEETS
- 9) PICTURES OF YOUR PROJECT (1 page)

APPENDIXES (OPTIONAL):

- A. PICTURES OF YOUR PROJECT (additional pictures)
- B. FEED INFORMATION (example: feed labels etc.)
- C. ADDITIONAL INFORMATION ABOUT YOUR PROJECT
  - a. Information you found in reference materials
  - b. Information you located off the internet
  - c. Information gathered from your feed representative
  - d. Any other information

Note: Reference materials used for the specific project knowledge include:

- a. Extension publication 4-H 1064 – Your 4-H Market Hog Project
- b. 4-H Skills for Life Series (each leader should have a copy)
- c. Ohio State University Swine Learning Lab Kit (leader may check out of the office)

This record book is part of your 4-H Market Hog Project. By keeping records up-to-date you will be able to see how much progress you make as you set goals and work to accomplish them. Write neatly and clearly. Feel free to add extra pages.

## **PROJECT PICTURES**

Pictures are a required part of this notebook. Taking pictures of your project animal throughout the project will indicate how your animal has grown and developed. Add pictures to your notebook on the last page and if you have additional pictures add them on a separate piece of paper at the end.

## **SCORING CRITERIA**

The following breakdown will be used during the judging process of all market livestock notebooks.

A. Specific educational value or worth	30%
B. Creative way of showing what has been learned	10%
C. Notebook contains all project records	50%
D. Accuracy, neatness and general appearance	10%

The Oceana County 4-H Market Livestock Committee encourages 4-H leader and parent assistance with your project and project notebook. If you should have any questions, please contact the MSU Extension Office.

## **JOURNAL OF CARE**

The 4-H Market Livestock Committee is **requiring all** 4-H Market Livestock members to complete the “Journal of Care”, so the judge may see the time, effort and care you have put into learning about your animal.

\*\* It will be assumed that you walked & fed your animal, but what additional things have you done such as; *washed, clipped, trimmed, foot care, health practices, medicines, general maintenance (cleaning living area & feed pans), training, had vaccinated, etc.*

APRIL:

MAY:

JUNE:

JULY:

AUGUST:

If not housed at your home, have the property owner sign. If housed at your home please have your parent sign.

I, \_\_\_\_\_, do attest and certify that this  
property owner name (please print), if parent please print

4-Her has cared for this animal in a responsible manner while housed on my property. I also understand that integrity and responsibility are important to this 4-H experience.

\_\_\_\_\_  
Signature of Property Owner or Parent  
If housed on own property

\_\_\_\_\_  
Date

### PROJECT INFORMATION

The start of the project will be the date the 4-Her placed the animal on feed, not any later than May 10th of the current year. The end of the project will be weigh-in day at the Fair.

Project Start Date \_\_\_\_\_ Project End Date \_\_\_\_\_

What month was your pig born? \_\_\_\_\_

Please complete the following chart about your project.

Ear Tag Number	Breed	Gender	Date of Purchase	Price or Value	Estimated Starting Weight	Ending/ Final Weight ( <b>FW</b> )	Total Pounds Gained

**Note: Total pounds gained = ending weight – starting weight**

### **MONTHLY FEED RECORD & EXPENSES**

Month	Type of feed used- (grain, roughage, etc.)	Supplements (if any used)	Amount (indicate lbs., etc.)	Cost or value of feed used for the month
April				
May				

**MONTHLY FEED RECORD & EXPENSES (cont.)**

Month	Type of feed used- (grain, roughage, etc.)	Supplements (if any used)	Amount (indicate lbs., etc.)	Cost or value of feed used for the month
June				
July				
August				

Total Feed Costs for Project      \$ \_\_\_\_\_





## PROJECT EFFICIENCY INFORMATION

Value/Cost of Animal at Time of Purchase = \_\_\_\_\_

$$\frac{\text{Total lbs. of Gain}}{\text{(from page 4)}} \div \frac{\text{Days on Feed}}{\text{}} = \frac{\text{Average Daily Rate of Gain}}{\text{}}$$

$$\frac{\text{Total Feed Cost}}{\text{}} \div \frac{\text{Total lbs. of Gain}}{\text{}} = \frac{\text{Feed Cost per Lbs. of Gain}}{\text{}}$$

$$\frac{\text{Total lbs. of Feed Fed}}{\text{}} \div \frac{\text{Total lbs. of Gain}}{\text{}} = \frac{\text{Lbs. of Feed Fed per lb. of Gain}}{\text{}}$$

$$\frac{\text{Total Feed Cost}}{\text{}} + \frac{\text{Cost of Animal}}{\text{}} + \frac{\text{Other Expenses}}{\text{}} = \frac{\text{Total Project Expense (TE)}}{\text{}}$$

Swine are sold by the pound at a Large Animal Sale Auction. Find out what bid price (per lb.) you need to get at the large market auction to **break even (BE)** on your market swine project.

$$\frac{\text{Total Expense (TE)}}{\text{}} \div \frac{\text{Final Weight (FW)}}{\text{}} = \frac{\text{Break Even Price (BE)}}{\text{(or total cost per lb. to raise your animal)}}$$

What is the current selling price of swine (per lb.)? \_\_\_\_\_

Where did you find the current selling price? \_\_\_\_\_  
(if your source was a person, ask them where they got this information)

Would you have been able to make a profit selling on the open market? \_\_\_\_\_

Why or why not? \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## PROJECT KNOWLEDGE

### MARKETING

One of the most important parts of any market animal project is marketing. This may include writing letters, talking to buyers and making sure that you thank previous buyers in a timely fashion.

- ✓ What did you do to market your animal this year? Did you do anything different than before, if you participated in the past?

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### MATCH THE SWINE DISEASES TO THEIR SYMPTOMS

- \_\_\_ High fever (104 to 106F), poor appetite & stiffness. Pigs may stand with their feet well under their body, giving their backs an arched appearance.
- \_\_\_ Highly contagious, caused by a virus. Can be spread from pig to pig thru drinking water, bedding or on shoes & clothes of people. Fever, loss of appetite, labored breathing, vomiting & trembling.
- \_\_\_ Lung inflammation or irritation. Signs are abnormal nasal discharge, persistent cough, labored breathing, gauntness, dull eye & coat.
- \_\_\_ Bacterial infection of the turbinate bones of the pig's snout. This disease is not fatal but infected pigs have slower growth rates.
- \_\_\_ This disease caused by bacterium which affects the pig's large intestine. Affected pigs have diarrhea with mucus and blood in it.

- |   |
|---|
| <p>A. Atrophic Rhinitis</p> <p>B. Erysipelas</p> <p>C. Pneumonia</p> <p>D. Pseudorabies</p> <p>E. Swine Dysentery</p> |
|---|

**BREED MATCHUP**

(unscramble the breeds &amp; then draw a line to the correct description)

---

P O T S

These black bodied pigs have six white points, including their nose, tail & feet. They are also known for providing hams & bacon of excellent flavor

---

E E I R B H K S R

Known as the durable mother breed, these pigs have white bodies with long, droopy ears. This breed originated in Chester County, Pennsylvania.

---

O U D R C

These red pigs with drooping ears are the 2<sup>nd</sup> most recorded breed of swine in the US and a major breed in other countries.

---

C R A L N E D A

These black hogs have white belts across the shoulders, covering the front legs around the body. They have erect ears and are heavily muscled. They are the 3<sup>rd</sup> most recorded swine breed in the US.

---

H M E R A P H I S

These white pigs with large drooping ears are the 4<sup>th</sup> most recorded breed in the US. The purebred females are known for their ability to produce large litters.

---

C E E R H S T H T W I E

The black & white bodied pigs may have a white nose, tail and feet. This breed stands as the embodiment of perfection in the swine industry.

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K Y R O H R E S I

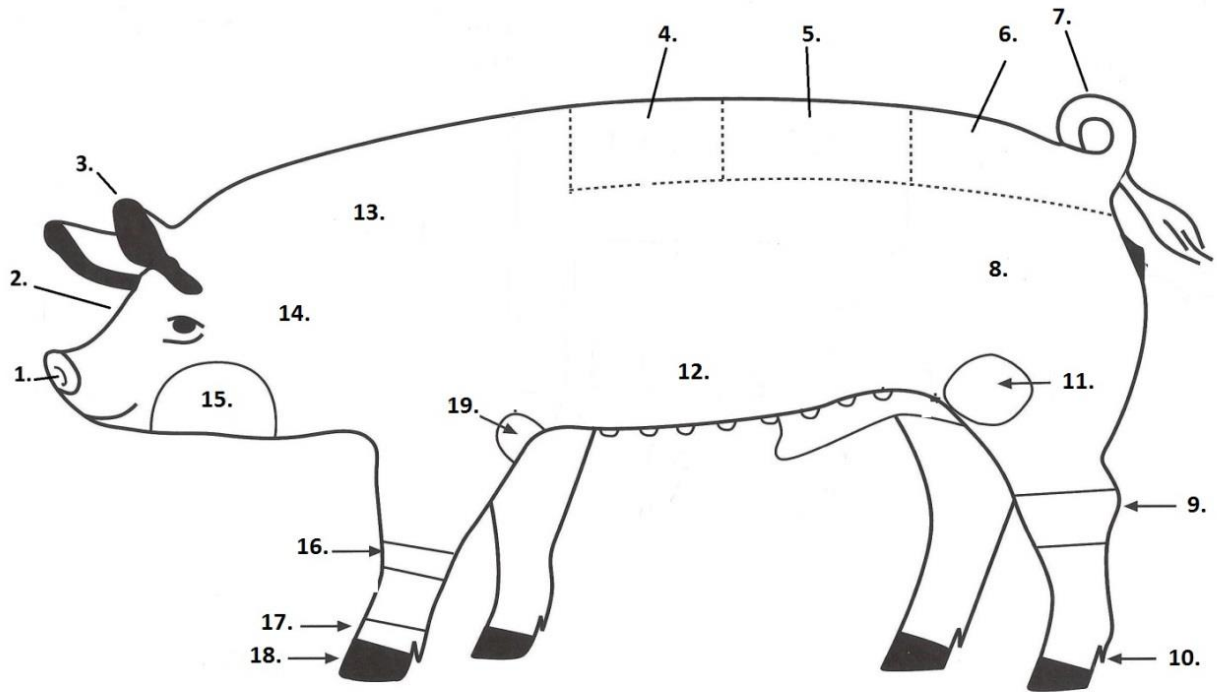
These white-bodied pigs have black spots & medium-sized, droopy ears. They are popular with farmers & commercial swine producers for their ability to transmit fast-gaining, feed-efficient, meat qualities to their offspring.

---

D L O P A N H N I A C

This white breed with erect ears is the most recorded breed of swine in the US & Canada. Their motto is "The Mother Breed and a Whole Lot More"

**PARTS OF THE HOG IDENTIFICATION**



This material is based upon work supported by Extension Service, United States Department of Agriculture, under special project number 93-EFSQ-4096  
 Product distribution through the Ohio Agricultural Curriculum Materials Service

Figure 3.1  
 Parts of the pig

**Write the number next to the correct part listed below**

- |                 |          |                  |
|-----------------|----------|------------------|
| ___ Back        | ___ Ham  | ___ Neck         |
| ___ Belly       | ___ Head | ___ Pastern      |
| ___ Dewclaw     | ___ Hock | ___ Rump         |
| ___ Ear         | ___ Jowl | ___ Stifle Joint |
| ___ Elbow       | ___ Knee | ___ Shoulder     |
| ___ Foot (Toes) | ___ Loin | ___ Snout        |
|                 |          | ___ Tail         |

**HOG FACTS- Multiple Choice**

(Circle the correct answer)

1. Pneumonia is?
  - a. an infectious disease
  - b. an external parasite
  - c. an internal parasite
  - d. none of the above
2. Which of the following are energy feeds or concentrates for swine?
  - a. ice cream and candy
  - b. corn and barley
  - c. water and vitamins
  - d. antibiotics and protein supplements
3. The notches in the pig's right ear represent?
  - a. The pig's individual number
  - b. The pig's litter number
  - c. The pig's month of birth
  - d. The pig's birth weight
4. Pigs need the following housing conditions?
  - a. Open and non-roofed pen
  - b. Wet, drafty and muddy pen
  - c. Clean, dry, draft-free, roofed pen
  - d. Sunny, grassy pen area
5. Whipworm is usual found in what location in of a pig?
  - a. Small intestine
  - b. Kidneys
  - c. Large intestine
  - d. Lungs
6. To drive your pig in the show ring, you should do the following?
  - a. Hit your pig on the back, rump or snout to get him to move
  - b. Shove your pig or use your knee to make it move
  - c. Tap the pig gently behind the front flank
  - d. Place your hand around the pig's tail or hind legs
7. Which of the following is a wholesale cut?
  - a. Picnic Shoulder
  - b. Spareribs
  - c. Sliced bacon
  - d. Fresh Ham

**PROJECT RULES – True or False (circle the correct answer)**

- |   |   |   |
|---|---|---|
| 1. Your Hog should be on feed by April 30 <sup>th</sup> ?   | T | F |
| 2. You must be 4-H age 9 to sell a market hog at the Oceana Fair?   | T | F |
| 3. Your list of potential buyers must be in by July.1 <sup>st</sup> ?   | T | F |
| 4. Your pig’s weight range is 220-310 lbs. for Fair?  | T | F |
| 5. You should shove your pig to make it move in the ring?   | T | F |
| 6. Your notebook must be presented at weigh in?   | T | F |
| 7. You must have your notebook into the exhibit building by noon of entry day at the latest?  | T | F |
| 8. You need 1 different potential buyer than your siblings?   | T | F |
| 9. The swine enrollment deadline is February 2 <sup>nd</sup> ?  | T | F |
| 10. You must notify the MSUE office, in writing, by 4:00 p.m. on August 11 <sup>th</sup> if changing to your registered backup animal | T | F |

**SWINE BY-PRODUCTS**

(find the following by-products in the puzzle below and circle them,)

C	M	H	F	L	B	U	E	U	L	G	A	X	Y
O	I	S	G	B	U	P	F	H	I	F	L	S	U
P	G	E	P	E	T	F	O	O	D	O	A	C	E
L	O	O	W	R	T	T	E	Q	L	U	M	I	M
S	E	H	O	B	O	Z	W	S	L	R	E	T	T
N	U	U	S	T	N	E	M	E	C	H	N	E	E
O	L	M	L	S	S	C	A	S	H	A	O	M	S
Y	B	N	R	S	W	S	T	I	A	H	B	S	I
A	L	M	A	F	E	E	C	M	L	R	O	O	R
R	G	L	P	O	C	A	H	N	K	G	W	C	N
C	G	Y	H	M	E	X	E	W	E	T	J	A	U
K	B	S	C	H	U	R	S	E	V	O	L	G	S

<b><u>WORD BANK</u></b>
BUTTONS
CEMENT
CHALK
COSMETICS
CRAYONS
GLASS
GLOVES
GLUE
MATCHES
PETFOOD
SHOES

**YOUR PROJECT**

(please answer to the best of your ability)

1. What you learned that you did not know about your project?

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2. What is the best feature(s) of your market hog this year?

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3. What feature(s) of your market hog could use improvement?

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4. Will you participate in a market hog project again? \_\_\_\_\_

Why or why not? \_\_\_\_\_

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## **MY 4-H STORY**

(Interesting things that happened to me and my animal this year, including challenges, highlights of the year or anything else I would like to share about my overall 4-H experience)

### ***POTENTIAL BUYERS NAMES***

As part of your 4-H Market Livestock Project, you must personally contact at least five potential buyers before the Oceana County Fair. You are encouraged to seek two new buyers that have not been asked or submitted before. You also must have at least **3 (three)** different buyers than those of your siblings in the market livestock project. Please confirm with your buyers their accurate mailing address (example: post office box vs. a street address). The information on page 16 must be completed and taken to the Oceana County MSU Extension Office on or before the due date where it will be copied and used to send out letters to your potential buyers. This page will remain in your notebooks. This is a Market Livestock Committee rule. Failure to comply will result in not being able to sell your animal in the 4-H Market Livestock Sale. Please use **1 (one)** sheet for all buyer's names as we have to run copies on the office.

**4-H MARKET LIVESTOCK POTENTIAL BUYER'S LIST**  
**SWINE PROJECT (AGES 12-14)**

Name \_\_\_\_\_ Club \_\_\_\_\_

*Please print business names and complete addresses clearly.*

1. Contact Name \_\_\_\_\_

Business Name \_\_\_\_\_

**Mailing** Address \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_

Signature \_\_\_\_\_

2. Contact Name \_\_\_\_\_

Business Name \_\_\_\_\_

**Mailing** Address \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_

Signature \_\_\_\_\_

3. Contact Name \_\_\_\_\_

Business Name \_\_\_\_\_

**Mailing** Address \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_

Signature \_\_\_\_\_

4. Contact Name \_\_\_\_\_

Business Name \_\_\_\_\_

**Mailing** Address \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_

Signature \_\_\_\_\_

5. Contact Name \_\_\_\_\_

Business Name \_\_\_\_\_

**Mailing** Address \_\_\_\_\_ City \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_

Signature \_\_\_\_\_

(Must be stamped by the MSU Extension Office)

## **YOUR PROJECT PICTURES**

(Please use this page for your project pictures. If you have more than 1 page of pictures please use the appendix section to include those pictures.)