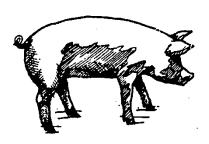
OCEANA COUNTY 4-H MARKET LIVESTOCK EDUCATIONAL NOTEBOOK/RECORD

HOG PROJECT- 2020

Ages 15 - 19



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 <u>must</u> 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 lit	tle buddy who is your big buddy:
	et as the first page of your project record book. Fill it out completely. or type neatly.
NAME	
DATE OF BIF	RTH Month Day Year
4-H CLUB	
BREED	SWINE'S NAME
LOCATION V	VHERE 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
Oth	ner Comments:

4-H MARKET LIVESTOCK HOG NOTEBOOK AGES 15-19

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 Housing
 - c) Pig Part Identification
 - d) Swine Terminology Crossword Puzzle
 - e) Swine Facts True & False
 - f) Breeds
 - g) Feed & Nutrients
 - h) Your 4-H Project
 - i) 4-H Knowledge
- 5) MY 4-H STORY
- 6) BUYERS NAMES
- 7) PICTURES OF YOUR PROJECT (1 page)
- 8) NON-CLUB/CLUB POINTS SHEETS

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

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 a separate piece of paper.

SCORING CRITERIA

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

A.	Specific educational value or worth	30%
В.	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.

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

- a. Extension publication 4-H 1064 Your 4-H Market Hog Project
- b. Swine Resource Handbook- Ohio State University (available in the office & each leader should have a copy.
- c. 4-H Skills for Life Animal Series- The Incredible Pig (available in the office and each leader should have a copy)

Journal of Care

The 4-H Market Livestock Committee is <u>requiring all</u> 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, trimmed, foot care, health practices, medicines, general maintenance (cleaning living area & feed pans), training, had vaccinated, etc.. **

APRIL:

MAY:		
JUNE:		

Journal of Care (cont.)

JULY:	
AUGUST:	
,	,do attest and certify that this
(property owner name or parent -please pr	rint)
4-Her has cared for this animal in a responsib also understand that integrity and responsibility	
- ·	·
Signature of Property Owner or Parent if housed on own farm.	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 cor	mplete the following ch	nart about	your project				
	Ear Tag Number	Breed	Gender	Date of Purchase	Price or value	Estimated Starting Weight	Ending Weight (FW)	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 of feed used for the month
April				
May				

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

Total Feed Costs for Project	\$
------------------------------	----



EXPENSES OTHER THAN FEED

The 4-H Market Livestock Committee would like you to keep a running list of all of your expenses -- veterinary charges, bedding, insecticides, trucking, insurance, interest paid on money borrowed, housing etc. Even if your parents pay for these items, figure out how much your animal needs and or uses as this is an expense of YOUR project.

	Vet Charges	Bedding	Insecticides	Equipment	4-H fee	Trucking	Housing/ Rent	Advertising/ Marketing	Miscellaneous (specify)	Buyer Recognition	MONTHLY TOTAL
APR											
MAY											
JUNE											
JULY											
AUG											
TOTALS											

PROJECT EFFICIENCY INFORMATION

Value of Animal at Tin	ne of Purchase =		
Total lbs. of Gain (from page 4)	_ ÷ Days on Feed	=Average Daily Rate of Gain	_
	÷	=Feed Cost per Lbs. of Gain	
Total Feed Cost			
Total lbs. of Feed Fed	Total lbs. of Gain	= Lbs. of Feed Fed per lb. of Gain	
		er Expenses Total project Expense	_(TE
Total Expense (TE)	Final Weight (FW) = (or total	Breakeven Price (BE) cost per lb. to raise your animal)	
What is the current se	lling price of hogs (per lb.)		
Where did you find the (if your sourc	e current selling price? e was a person, ask them v	where they got this information)	
Would you have been	able to make a profit selling	g 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 think pervious buyers in a timely fashion

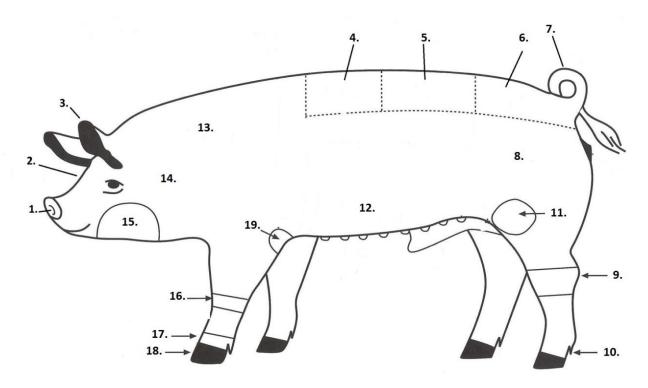
What did you do to market your animal this year? If you have participated in the market livestock before, what did you do differently in marketing your animal this year?

CARING FOR YOUR PIGS- HOUSING AND PENS

(fill in the blank)

1.	Pig pens should be not less than	_ square feet per pig.	
2.	The minimum size of a pig pen would be	ft. x f	t.
3.	Fences should be a minimum of	_ inches tall	
4.	Minimum size for housing (shelter) should be not less than square feet per		ft. per pig or
5.	Housing should allow for	during sunny da	ays.
	(found in skills for life series which leader	should have /office also	has a copy)

HOG IDENTIFICATION- identify the parts





This material is based upon work supported by Extension Service, United States Department of Agriculture, under special project number 93-EFSQ-4096

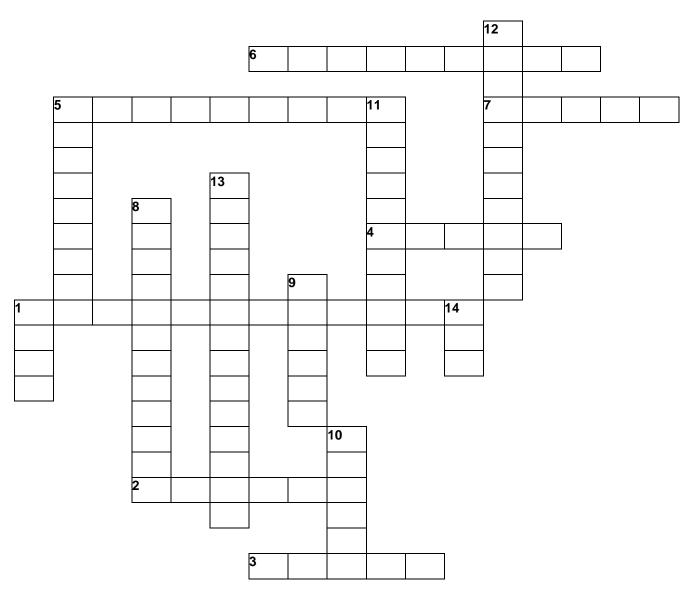
Product distribution through the Ohio Agricultural Curriculum Materials Service

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

SWINE TERMINOLOGY CROSSWORD PUZZLE



DOWN

- 1. Meat from hogs
- 5. People who buy and use a product
- 8. SQ (one way of giving injections)
- 9. The amount of feed a pig is allowed to eat in A 24-hour period
- 10. The essential amino acid that is most likely to be deficient in a standard swine diet.
- 11 The amount of money being paid for pigs on any given day
- 12. Procedures designed to minimize disease transmission from outside and inside a production unit.
- 13. Amount of feed consumed per pig to produce one pound of body weight gain.
- 14 .There are major classes of nutrients?

ACROSS

- Serious, very contagious disease spread from pig to pig through drinking water, bedding, or on shoes or clothes of people.
- 2 Soft, watery feces in swine, commonly occurring as a part of a disease.
- 3. Mating a boar & gilt or sow to produce piglet
- 4. Feature or characteristic of an animal, such as lean body or calm personality
- 5. Rich Milk produced by the sow during the first hours after farrowing.
- 6. Period in which the sow is pregnant; this period lasts 114 days in swine.
- 7. Refers to the porcine, or pig, family in general.

T F

SWINE FACTS TRUE OR FALSE

(Circle T for true and F for false)

Т	F	 Antibiotics, such as penicillin, are a good treatment for an acute attack of erysipelas.
Т	F	A sign of pneumonia is when a pig stands with its feet well under its body, giving its back an arched appearance.
Т	F	3. Vaccinations are particularly effective against parasites.
Т	F	4. Aujeszky's Disease is commonly known as Pseudorabies.
Т	F	5. Atrophic Rhinitis is a common external parasite.
Т	F	6. Whipworms are not usually a major problem in market hogs.
Т	F	A youthful haircoat can be recognized by its relatively short, sleek and shiny hair.
Т	F	8. Production traits are measured after the hog has been slaughtered.
Т	F	Dressing percentage represents the amount of the hog's live weight that is present in carcass form.
Т	F	10. Lean hogs will dress higher than fat hogs.
Т	F	 When calculating percent muscle, the loineye area, backfat depth and carcass weight are considered.
Т	F	12. Pork is hard to digest.
Т	F	13. In the modern swine industry, feeding pigs raw garbage and table scraps is very common.
Т	F	14. Pork is high in cholesterol.
Т	F	15. Body composition is evaluated by the degree of muscling and finish.
Т	F	16. When evaluating structural soundness, you should look primarily at the pig's body cavity and topline.

17. Oats are a good energy feed for pigs.

BREEDS (write the name of the breed described on the line) Large & pure white with drooping ears. Known as the durable mother breed as they are good mothers. Black with white feet, tail and usually has a splash of white on the face. Short, erect ears. Exceptional meat quality, especially hams & bacon. Red with drooping ears. Muscular. Ability to produce large litters. Lean gain efficiency. Good sires. Exceptional meat quality. Grown quickly & efficiently. The second most recorded breed in the U.S. Very long bodied white breed with large, drooping ears pointing forward & down. Good mothers with outstanding maternal traits. Fourth most recorded breed in the U.S. Black with six white points (four legs, tail & nose). Medium-sized drooping ears. Produce meaty carcasses with large loin eyes. White-bodied pigs with black spots. Partially drooping ears. Known for producing pigs with a high growth rate (gains weight well). Is an aggressive breeder. White with erect ears. Long-bodied. Good mothers who produce large litters, known as the mother breed.. Muscular with a high proportion of lean meat & low back fat. They are the most sought after breed. Black with a white belt. Muscular. Good sires. Erect ears. Are noted for being heavy muscled. A medium size hog breed that is unique to the United States. It was developed in Iowa and Nebraska during the 1920s from Duroc, Chester White, and Poland China bloodlines. Has a color pattern of

intense red with white trim.

FEED & NUTRIENTS:

(write in the letter of the definition that matches the feed or nutrient next to it)

Water	A. Can be used as a pound-for-pound substitute for corn, but because of its relatively high cost it's seldom used.
Fats	B . This is to a pig what gasoline is to an automobile. They supply the energy or fuel the pig needs.
Oats	C . This is the most important part of a pig's diet.
Corn	D. Build bones and teeth and support other life processes in pigs.
Minerals	E. This is not a good energy feed for pigs because of the high fiber content.
Carbohydrates	F . These provide energy for movement & heat. They produce about 2 ¼ times as much energy as carbohydrates.
Proteins	G. This is an excellent energy feed for all classes of swine because it is high in digestible carbohydrates, low in fiber and very palatable.
Barley	H. This is broken down by the pig's body into amino acids which are then used by the pig to build body proteins.
Wheat	I. This is an excellent energy feed when corn is not available but because of its higher fiber content it has more bulk and is
Grain Sorghums	slightly lower in energy then corn.
Vitamins	J. Can replace corn in all swine diets. The kernel is hard and small and should be ground before mixing with other ingredients. The feeding value us approximately 95% that of corn.
	K. Just as important as other feed nutrients, but these are needed in smaller amounts.

YOUR 4-H PROJECT

Answer the following questions to the best of your abilities:

. When you selected your market hog, what factors did you consider?		
Are you happy with the breed you chose?		
What is the best feature(s) of your market hog this year?		
2. What is the best realare(s) of your market nog this year:		
3. What feature(s) of your market hog could use some improvement?		
4. What were your 4-H, and project, goals this year?		

4-H ACTIVITIES

8	
The 4-H Pledge - (fill in the blanks)

I pledge	
	······································
The 4-H MOTTO:	
What 4-H Means to Me:	
Number of club meetings held:	Number I attended:

List any club activities in which you have

- Participated in
- Responsibilities which you have assumed

(example: Community Service events, workshops, judging contests, clinics, and offices held. If none, write none)

Activity	Date	Location	Placing, Position or Comments

MY 4-H STORY

If you would like the judge to know anything special about your animal or project you may

write it here, if you choose.	 	

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 17 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 your buyer's signatures as copies need to be made by the office.

2020-Hog	Record Book	(15-19)
Page 17		

Stamp_	
Staff	

4-H MARKET LIVESTOCK POTENTIAL BUYER'S LIST SWINE PROJECT (AGES 15-19)

Name		Club	
	Please print busine	ess names and complete addresses	s 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		
0.			
		City	
	Dhono		
	Signaturo		

(Must be stamped by the MSU Extension Office)

YOUR PROJECT PICTURES

Please use this page for your project pictures. Also if you have anything special that you would like the judge to know about your project you may put it here. If you have more than 1 page of pictures please use the appendix section to include those pictures.