

_____ **INTERMEDIATE** (10-14 yrs)

_____ **SENIOR** (15-18 yrs)
(CHECK AGE GROUP)

MARKET POULTRY RECORD

_____ **CORNISH**
_____ **BROILER**

(Record book revised 2019)



NAME: _____ **AGE:** _____

YEARS IN PROJECT: _____ **YEARS IN 4H/CLUB:** _____

CLUB NAME: _____

CLUB LEADER: _____

Date Record Started: _____

Date Record Ended: _____

WHY KEEP RECORDS....

Keeping records on your project should not be dull, boring, or scary. If you start your records as soon as you receive your baby chicks, there should be no worries or scurrying around at Fair!

Good records will:

- *Help you learn about your animal, how they grow, what they eat, and how to keep them safe.
- *Help you plan future projects.
- *Let you know if you made money or lost money, and how to improve on this.
- *Help you improve your management practices.
- *Give you a record of how you did on your project from start to finish.

RECORD BOOK RULES:

1. All Record Books are to be completed BY THE EXHIBITOR. There will be a 10% deduction in market sale proceeds if the books are completed by somebody else.
2. Record books MUST contain photos from Day 1 of the project, all the way through the end of the project. If you raise your birds with another family member, do NOT use the same pictures! You are to use your own pictures.
3. Record Books must be turned in by NOON on Thursday after the Livestock Sale. Failure to turn in your record book will result in a 10% reduction in market sale proceeds.
4. Use only the APPROVED record books you were given. NO EXCEPTIONS! No 3-ring binders or folders or page protectors allowed.

Remember – Your Record Book is no better than what YOU put into them!

PHILOSOPHY AND GOALS OF THE 4H LIVESTOCK PROGRAM

“The purpose of the 4-H Livestock Program is to provide young people an opportunity to participate in a series of activities designed to improve citizenship, sportsmanship, character, competitive spirit, discipline, responsibility and livestock knowledge, while creating an atmosphere of personal development and awareness of life around us.”

PROJECT REVIEW
(To be completed by the Club Leader)

_____ (member) has completed his/her records on their own, and has turned them in to me on time.

Comments by Leader:

Date: _____ Signed (Leader): _____

PROJECT CERTIFICATION
(To be completed by Exhibitor)

I hereby certify that, as the exhibitor of this market project, I have read and understand the rules. I also certify that I have personally taken care of these animals, and that I have completed this record book on my own. I understand that this record book is a requirement, and that 10% of my market proceeds may be deducted if I fail to complete this book properly.

Youth signature: _____

This Year's PROJECT GOALS:

List three things you want to accomplish with your project this year:

How do you plan to accomplish these goals? _____

Basic Project Information

What breed of chicken did you get? _____

How many chickens did you start with? _____

When were your chickens hatched? _____

What is a baby chicken called? _____

What did each of your chickens cost? _____

What day did you pick your chickens up? _____

What is the MINIMUM weight for a Market Cornish? _____

What is the MINIMUM weight for a Market Broiler? _____

In the Beginning....DAY ONE

1. What temperature did you have your brooder set at? _____

2. Did you use a heat lamp? _____

3. What color is your heat lamp? _____

4. Did you put anything in their water at first? _____

If you did, what did you add and why? _____

5. Describe the type of brooder you used for your baby chicks: _____

6. What kind of bedding did you use in your brooder? _____

7. What causes your baby chicks to huddle up in their brooder? _____

8. Why is it important to keep your baby chicks away from drafts? _____

9. How did you keep your baby chicks draft free? _____

PROJECT EQUIPMENT

What things did you use for your project? Did you have your baby chickens in a box? In a tote? What kind of feeders did you use? What did you put in the bottom of your cage? List everything you had to use while raising your chickens for Fair.

EQUIPMENT

NEW OR USED

VALUE

1. What kind of Feeder did you use? _____

2. It is very important that your chicks have CLEAN and FRESH water all the time.

How often did you change your chick's water? _____

Did you wash their waterer? _____

3. How did you house your chickens once they were old enough to leave the Brooder?

BIRD WEIGHT RECORDS

It is very important that you weigh your birds regularly so that you can tell if they are gaining properly or if you have to change your feeding routine. Weighing regularly can also tell you if there is a flock illness that must be addressed.

Suggested schedule: Weigh weekly for Cornish, Every 2 weeks for Broilers and Turkeys.

NOTE: This weight record is only for the birds you are using for your market project!! Use an additional sheet to record the weights of the birds throughout your project, then transfer the weight information on the birds you will be using for your market pen at Fair onto this page. Accuracy is critical! Keep track of your individual birds by marking them in some way. You can use different colors of yarn tied on their legs, or leg bands, or different colors of marker on their shanks, or a different color dot of marker on each bird's head. Just be careful to keep changing the yarn or bands on the legs regularly as the birds grow!

CORNISH PROJECT WEIGHTS:

(Remember to only record weights for the 4 birds you will be using for Fair here)

What did your Cornish chicks weigh on DAY 1? _____

Weigh at end of:	PEN WEIGHT	WEIGHT GAIN
WEEK 1		
WEEK 2		
WEEK 3		
WEEK 4		

BROILER PROJECT WEIGHTS:

(Remember to only record weights for the 3 birds you will be using for Fair here)

What did your Broiler chicks weigh on DAY 1? _____

Weigh at end of:	PEN WEIGHT	WEIGHT GAIN
WEEK 1		
WEEK 3		
WEEK 5		
WEEK 7		

FEEDING YOUR MARKET BIRDS

ATTACH A FEED TAG FROM ONE OF YOUR BAGS HERE

(NOTE: If your bag does not have a tag on it, ask your feed store to supply you with a complete ingredient printout for your feed.)

1. What type of feed did you feed your baby chicks at the start of the project?

2. What did you feed your chicks as they got older? _____

3. How often did you feed your chicks? _____

4. According to your feed tag, what is the main ingredient?

5. Look at your feed tag on your bag of chicken feed. What is the percent of the protein in your feed? _____

6. What does "withdrawal period" mean?

7. Is your chicken feed medicated? _____

If so, what is the name of the medication? (look on feed tag)

8. How long is the withdrawal period for your particular medicated feed?

9. How many total days did you feed your chickens? _____

10. What is another name for the Gizzard? _____

11. What is the function of the Gizzard? _____

12. What does "Fixed Formula" mean, when speaking of feed mixtures?

FEED RECORDS

The cost of feed is your greatest expense in your project. List all of the feed and supplements you used throughout your project.

Date	Type (starter, supplement)	Weight	COST
			TOTAL COST

****Only SENIORS need to complete FEED COSTS below****

Calculate your FEED COSTS:

A. Cost of a bag of feed \$_____ ÷ _____ lbs in the bag = \$_____ per lb. **(1)**

B. How many **total** chickens did you raise? _____ **(2)**

C. How many total bags of feed did you use during your project? _____ **(3)**

D. Take total pounds of feed used **(3 above, multiplied by the weight per bag)**, and divide that by the # of birds raised **(2)**.

This will give you the pounds of feed per bird. _____ **(4)**

E. Now multiply the lbs per bird **(4)** by the \$/lb, **(1)** and this is how much your feed costs were for your one market bird. _____ **(5)**

F. Multiply the number of birds in your pen _____ by the cost per bird **(5)** _____ to get your TOTAL FEED COST for your Pen \$ _____

PROJECT STORY

Tell us about your project. What did you learn? Do you have questions? Did something funny happen during your project? Just tell us about your project!!

[illegible]

EXPENSE RECORDS

List all expenses you had with your project this year. We included some of the most common ones. **There are lots more!** Put your thinking caps on! Make sure you are listing the expenses for your Market Birds ONLY. (NOTE: Divide total expenses by the number of birds to get the total for your market birds only. Example: If you spent a total of \$100 on bedding for 6 birds in your project, divide \$100 by 6 to get \$16.67 in bedding cost for your one market bird)

EXPENSE	\$ AMOUNT
Chick	
Bedding	
Feed	
Entry fees	
Processing fees	
Buyer's gift	
Sale Commission	

TOTAL PROJECT EXPENSES: _____

INCOME RECORDS

List below **all** of the income you had for your project.

Income	Amount

TOTAL PROJECT INCOME: _____

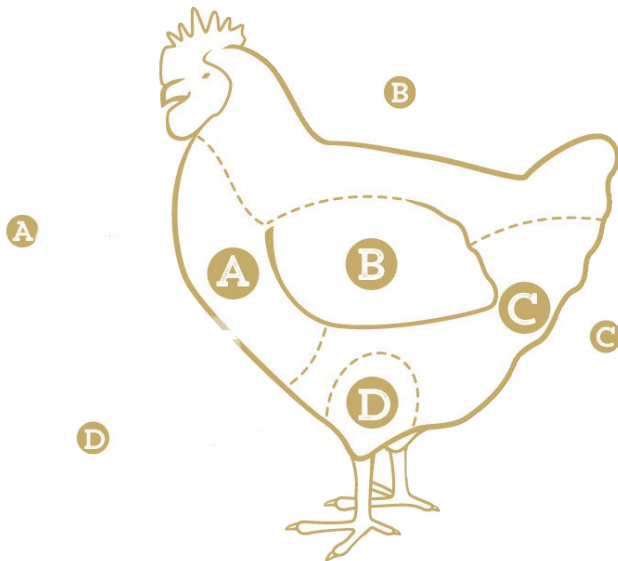
1. When discussing Processing Yields, will a fat animal give a greater yield than a lean animal? _____

Explain: _____

2. Will a lean pen make you more money at the Livestock Sale, or will a fat pen make you more money?

POULTRY BUTCHER PARTS AND WING PARTS

****THIS PAGE FOR SENIORS ONLY****



Label the diagram of
Chicken Butcher Cuts
from the list below.....

Thigh
Wing
Breast
Leg/Drumstick

Name the parts of a chicken wing...

- 1 _____
- 2 _____
- 3 _____
- 4 _____
- 5 _____
- 6 _____
- 7 _____
- 8 _____
- 9 _____



Flight coverts
Primary coverts
Greater Wing bow coverts
Wing Bar (Lower wing coverts)
Scapulars (Shoulder butt)
Secondaries
Axial feather
Primaries
Median Wing bow coverts

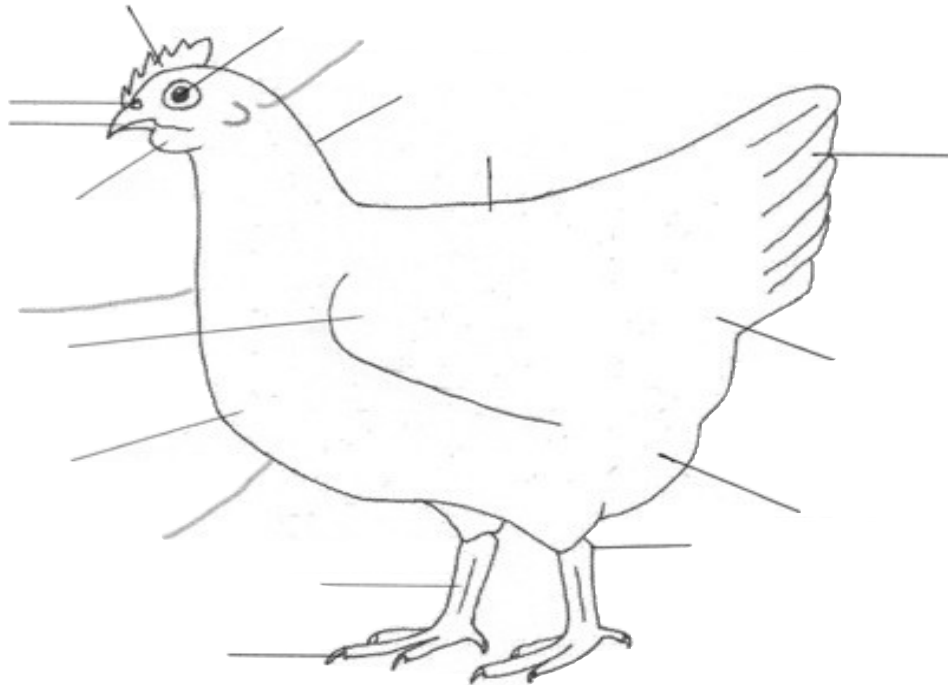
Parts of a Chicken

Label the chicken diagram from the list below....

Toe
Shank
Hock
Keel bone
Breast
Wing

Wattles
Eye
Back
Comb
Neck
Nostril

Tail
Abdomen
Vent area
Ear
Crop
Beak



QUESTIONS FOR CORNISH & BROILER PROJECTS

1. What TWO places on a live meat bird do you want to check for meat quality? _____

2. How long is the Market Cornish project? _____
How long is the Market Broiler project? _____
3. What is another name for the breastbone in poultry? _____
4. What is the single most important nutrient you can give your bird? _____
5. How long does it take a chicken egg to hatch? _____

6. Define the following:

Cockerel _____

Rooster _____

Pullet _____

Hen _____

Capon _____

Molt _____

7. Why is it important to keep your chickens' pen clean at all times? _____

8. How did you keep your birds safe during your project? _____

9. What kind of bedding did you use for your chickens once they graduated from the brooder ? _____

10. How often did you clean your food and water dishes? _____

11. Do you do anything special with your birds before the show? Explain: _____

12. What is Bumble Foot, and what causes it? _____

13. List three (3) ways to avoid heat stress in birds:

14. When you bring your birds to the Fair, they have to be blood tested before they can enter the barn. What is this blood test called and what are we testing for?

15. Name TWO parasites that commonly affect poultry. _____

16. What causes breast blisters on meat birds, and how do you prevent them?

17. What is the function of grit in the diet? _____

****SENIORS ONLY COMPLETE CARCASS YIELD BELOW****

Calculate your approximate CARCASS YIELD here.....

1. Live weight of your PEN at weigh-in _____ lbs.
2. Processed carcass weight of your PEN _____ lbs.
(We will weigh your processed birds when delivered from the butcher)
3. Processed weight _____ ÷ Live weight _____ X 100 equals
(#2 above) (#1 above)

Approximate Carcass Yield Percentage of _____ %

PROJECT SUMMARY

1. My BEGINNING pen weight was _____ Lbs/Oz
2. My ENDING pen weight was _____ lbs/oz
- Total WEIGHT GAIN (#2 minus #1) _____ lbs/oz

3. My pen was bought for \$_____ per pound

4. My pen brought a total of \$_____

5. My BUYER was _____

TOTAL INCOME (from page 14) \$_____

TOTAL EXPENSES (from page 13) \$ _____

PROFIT/LOSS (Income minus expenses)\$_____

Did you make money on your project? _____

Do you consider your project a success?_____

What was your favorite part of this project? _____

PROJECT PICTURES

You must include pictures from Day 1 and throughout your project, including the end of the project. Do NOT use a family member's photos for your record book!

PROJECT PICTURES

RECORD BOOK SCORE SHEET
(To be completed by the Record Book Judges)

PAGE		POSSIBLE POINTS	YOUR POINTS
Cover	Cover Sheet (all info complete)	5	
3	Project Review/Certification (Complete and signed)	5	
4	Project Goals & Info (Neat and Complete)	5	
5	In the Beginning (Answer all questions)	5	
6	Equipment Inventory (Complete)	5	
7	Weight Records (Accurate, complete, questions answered)	10	
8-9-10	Feeding (Questions answered, tag included)	5	
11	Project Story (Complete – more than a couple lines)	5	
12	Project Expenses (Complete)	5	
13	Project Income (Complete)	5	
14	Butcher Parts/Wing Parts (SENIORS ONLY)	With page 15 points	
15	Chicken Parts (Neat and complete)	10	
15-16-17	Project Questions (Complete)	10	
18	Project Questions Carcass Yield (SENIORS ONLY) (Complete and accurate)	5	
18	Project Summary (Complete and accurate)	10	
19-20	Project Pictures (From start to finish. Several)	10	
	TOTAL POINTS	100	
	A: 100-90		
	B: 89-80		
	C: 79-60		
	DQ: below 60		