Market Broiler Record Book

Name: ______________________________

4-H Age: ____________________________

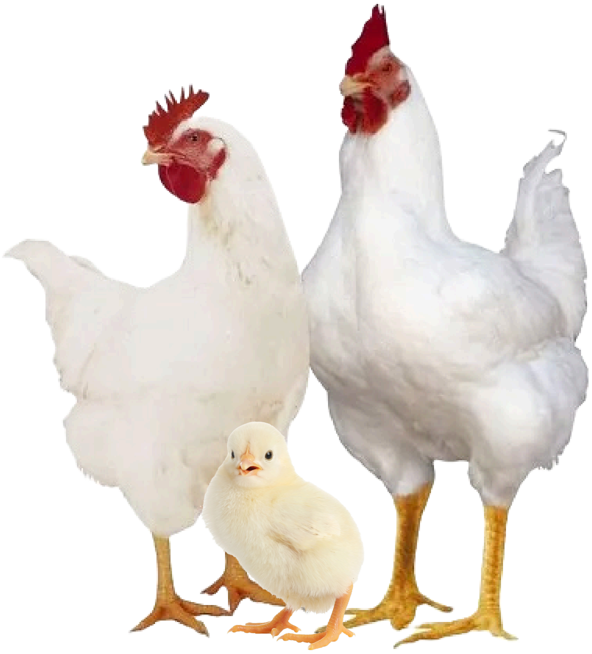
Club Name: __________________________

Date Project Started: __________________

Date Project Completed: ______________

****TIPS****

- At the end of the project you will need to total amount of feed consumed by your birds.
- You will need to weigh all feed given to your birds.
- Wasted feed, that is not consumed by your birds, will have a negative effect on your project.



My Records

Calculating cost of feed per pound:

________ ÷ ________ = ________
A B C

A: Cost of a bag of feed
B: Number of pounds of feed in the bag
C: Cost of feed per pound.

For Example: If a bag of chicken feed costs $13.49 per bag and the bag weighs 40 pounds, the cost per pound is $0.34 per pound. If I feed five pounds of feed that week, the cost of feed for the week is $0.34 x 5 = $1.69

Calculating cost of Bedding:

________ X ________ = ________
A B C

A: Cost of bedding per unit
B: Number of units used during your project
C: Cost of bedding for your project.

For Example: If a cube of pine shavings costs $7.29 per cube and you use 6 cubes over the duration of your project, the cost of bedding is $43.74.

Cost of Set-up:

- *Include items that you bought, with dollar amount.*
- *List the cost of Chicks (use $3.00 per chick)*

Expenses

Date	Description	Quantity	Cost/Estimated Cost	Extended Total
			Total	$

NOTES: *What did you do to prepare for the project? How did you set up your pen? Did you have to buy any new items?*

End of Week 1

Number of chicks you have: ___________

Type of feed: ________________________________

Weight of feed provided for this week: ____________________

Wasted feed? YES or NO. If yes, Estimated amount of waste ________

(Look for ways to control your wasted feed, as this will negatively affect your project)

Expenses				
Date	**Description**	**Quantity**	**Cost/Estimated Cost**	**Extended Total**
	Feed feed fed this week			
	Bedding used this week			
			Total	$

Chores:

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Notes:

(any extra information like mortality, sickness, or improvements)

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End of Week 2

Number of chicks you have: ___________

Type of feed: ________________________________

Weight of feed provided for this week: ___________________

Wasted feed? YES or NO. If yes, Estimated amount of waste ________

(Look for ways to control your wasted feed, as this will negatively affect your project)

Expenses				
Date	**Description**	**Quantity**	**Cost/Estimated Cost**	**Extended Total**
	Feed feed fed this week			
	Bedding used this week			
			Total	$

Chores:

Notes:

(any extra information like mortality, sickness, or improvements)

End of Week 3

Number of chicks you have: ___________
Type of feed: _______________________________
Weight of feed provided for this week: ___________________
Wasted feed? YES or NO. If yes, Estimated amount of waste ________
(Look for ways to control your wasted feed, as this will negatively affect your project)

Expenses				
Date	**Description**	**Quantity**	**Cost/Estimated Cost**	**Extended Total**
	Feed feed fed this week			
	Bedding used this week			
			Total	$

Chores:

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Notes:

(any extra information like mortality, sickness, or improvements)

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End of Week 4

Number of chicks you have: ___________
Type of feed: ________________________________
Weight of feed provided for this week: ___________________
Wasted feed? YES or NO. If yes, Estimated amount of waste ________

(Look for ways to control your wasted feed, as this will negatively affect your project)

Expenses				
Date	**Description**	**Quantity**	**Cost/Estimated Cost**	**Extended Total**
	Feed feed fed this week			
	Bedding used this week			
			Total	$

Chores:

Notes:

(any extra information like mortality, sickness, or improvements)

End of Week 5

Number of chicks you have: ___________

Type of feed: ________________________________

Weight of feed provided for this week: ____________________

Wasted feed?   YES or NO. If yes, Estimated amount of waste ________

(Look for ways to control your wasted feed, as this will negatively affect your project)

Expenses				
Date	**Description**	**Quantity**	**Cost/Estimated Cost**	**Extended Total**
	Feed feed fed this week			
	Bedding used this week			
			Total	$

Chores:

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Notes:

(any extra information like mortality, sickness, or improvements)

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End of Week 6

Number of chicks you have: ___________

Type of feed: ________________________________

Weight of feed provided for this week: ___________________

Wasted feed? YES or NO. If yes, Estimated amount of waste ________

(Look for ways to control your wasted feed, as this will negatively affect your project)

Expenses				
Date	**Description**	**Quantity**	**Cost/Estimated Cost**	**Extended Total**
	Feed feed fed this week			
	Bedding used this week			
			Total	$

Chores:

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Notes:

(any extra information like mortality, sickness, or improvements)

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End of Week 7

Number of chicks you have: ___________

Type of feed: ________________________________

Weight of feed provided for this week: ____________________

Wasted feed?   YES or NO. If yes, Estimated amount of waste ________

(Look for ways to control your wasted feed, as this will negatively affect your project)

Expenses				
Date	**Description**	**Quantity**	**Cost/Estimated Cost**	**Extended Total**
	Feed feed fed this week			
	Bedding used this week			
			Total	$

Chores:

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Notes:

(any extra information like mortality, sickness, or improvements)

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End of Week 8

Number of chicks you have: ___________

Type of feed: ________________________________

Weight of feed provided for this week: ___________________

Wasted feed? YES or NO. If yes, Estimated amount of waste ________

(Look for ways to control your wasted feed, as this will negatively affect your project)

Expenses

Date	Description	Quantity	Cost/Estimated Cost	Extended Total
	Feed feed fed this week			
	Bedding used this week			
			Total	$

Chores:

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Notes:

(any extra information like mortality, sickness, or improvements)

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Feed Conversion Ratio (FCR)

****TIPS****
- To get your average consumed feed per bird, take the total amount of feed divided by the number of birds you have.
- To get an average live weight of your birds, weigh three or four birds our of your flock and divide that number by the number of birds you weighed. that will equal your average live weight

Feed Conversion Ratio (FCR) is essentially the math behind how much weight an animal puts on from the feed it eats. It’s a key measure to assess an animal's productivity and efficiency.

Chickens are super efficient at turning food into meat, with conversion rates ranging from 1.5 to 1.9. Today’s broiler chickens have been bred to pack on weight rapidly and make the most out of their nutrients. One of the biggest costs when raising broilers is the feed, so keeping your feed conversion ratio (FCR) low is key to achieving great results.

A. Average feed consumed per bird = ______________________

B. Average live weight per bird = _________________________

A ÷ B = _______________ (FCR)

<u>Factors that affect FCR</u>

- Temperature
- Ventilation and Air Flow
- Feed Quality
- Water Quality
- Disease and Medication
- Feeding Pattern
- Light
- Noise Stress

Figuring Your Profit

Typically, a whole chicken gives you about 60-70% meat. To calculate the processed weight, just take the live weight of your chickens and multiply it by 65% for the final figure.

For example: If all 10 of your birds reached processing day and they weighed 75 pounds in total, you'd calculate the processed weight by multiplying 75 by 65%, resulting in 48.75 pounds. (75 x 0.65 = 48.75 lbs)

________ x 0.65 = ________
Birds Average Live Weight *Processed Weight*

To calculate your gross profit, start by determining the current market price per pound. You can check prices at your local grocery store or ask a producer. Once you have the market price, just multiply it by the total weight of your processed birds to get your gross profit.

For Example: You looked into your grocery store and found out they’re selling whole birds for $2.47 per pound. In the previous exercise, we determined the total processed weight to be 48.75 pounds. So, to find the gross profit, we multiply 2.47 by 48.75, which equals 120.4125 or $120.41.

________ x ________ = ________
Market Price *Processed Weight* *Gross Profit*

Net Profit can be figured out by taking Gross Profit and subtracting Total Expenses. Looking back at your records you will need to add up all of your expenses including startup and all expenses during the duration of your project.

For Example: The previous exercise we figured our gross profit was $120.41. Looking back through your project

Expenses	
	Weekly Expenses
Startup	
Week 1	
Week 2	
Week 3	
Week 4	
Week 5	
Week 6	
Week 7	
Week 8	
Total	

________ - ________ = ________
Gross Profit *Total Expenses* *Net Profit*

Summary of Market Broiler Project

In the following pages, detail your market broiler project. Utilize these questions to guide you in describing your experiences with the project this year.

1. Describe what success and failures you dad during this project.
2. What things would you do differently next time.
3. What parts of the project did you find you needed assistance with (from parents, leaders, friends, etc.)?
4. Did the weather play a part in problems you may have had?
5. What type of house did you brood in?
6. What type of brooder heat source did you use?
7. What type of bedding did you use?
8. How long did you brood your chicks
9. Did you have any problems with varmints or predators?
10. What kind of feed did you use?
11. What was the total cost of feed?
12. What type of feeders did you use?
13. Tell about your management of your project. Examples: feed, water, bedding, etc.
14. Add anything else you feel is important.

Use any additional sheets if needed.