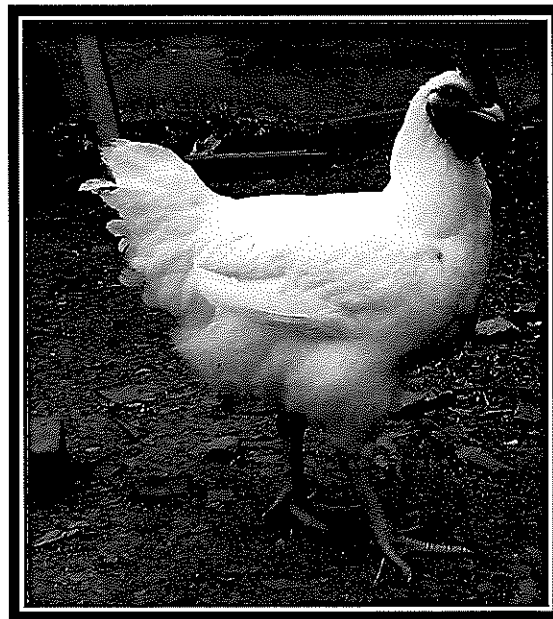# 4-H

Market Broiler

Record Book

Name: _____

4-H Age: _____

Club Name: _____

Date Project Started: _____

Date Project Completed: _____

- **End of week 1**
  Number of chicks you have =_____
  Type of Feed _____
  Weight of Feed Provided This Week: _____
  Wasted Feed: Yes or No_____ If Yes, Estimate Amount (_____)
  (Look for ways to control wasted feed, as this will negatively affect your project)

Expenses			
Date	Description & Quantity	Total Cost	Estimate
	lbs of feed fed this week		
	TOTALS:	$	$

Chores : _____

_____

_____

_____

Notes: (any extra information (example: mortality, sickness, or improvements)

_____

_____

_____

_____

_____

_____

_____

- **End of week 3**
  Number of chicks you have =_____
  Type of Feed: _____
  Weight of Feed Provided This Week. = _____
  Wasted Feed – Yes or No_____ If Yes, Estimate Amount (_____)
  (Look for ways to control wasted feed, as this will negatively affect your project)

Expenses			
Date	Description & Quantity	Cost	Estimate
	lbs of feed fed this week		
	TOTALS:	$	$

Chores :_____

_____

_____

_____

Notes: (any extra information (example: mortality, sickness, or improvements)

_____

_____

_____

_____

_____

- **End of week 5**

  Number of chicks you have =_____

  Type of Feed: _____

  Weight of Feed Provided This Week. = _____

  Wasted Feed – Yes or No_____ If Yes, Estimate Amount (_____)

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

Expenses			
Date	Description & Quantity	Cost	Estimate
	lbs of feed fed this week		
	TOTALS:	$	$

Chores : _____

_____

_____

_____

Notes: (any extra information (example: mortality, sickness, or improvements)

_____

_____

_____

_____

_____

_____

_____

- **End of week 7**
  Number of chicks you have =_____
  Type of Feed: _____
  Weight of Feed Provided This Week. = _____
  Wasted Feed – Yes or No_____ **If Yes, Estimate Amount** (_____)
  (Look for ways to control wasted feed, as this will negatively affect your project)

Expenses			
Date	Description & Quantity	Cost	Estimate
	lbs of feed fed this week		
	TOTALS:	$	$

Chores: _____

_____

_____

_____

Notes: (any extra information (example: mortality, sickness, or improvements)

_____

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Feed Conversion Rate (FCR)

Feed conversion ratio (FCR) is simply defined as the mathematical relationship between the feed an animal gains by consuming the feed. Feed conversion ratio is a measure to determine the productivity and efficiency of an animal.

Chickens can convert food into meat very efficiently, and values from 1.50 to 1.90 can be achieved. Modern broiler chickens have been genetically modified and developed to gain weight at an extremely fast pace and efficiently using all nutrients. Feed is one of the biggest expenses you will have with your broilers. The lower the # of your FCR the better your results.

A. Average Feed Consumed per Bird= _____

B. Average Live Weight Per Bird = _____

A ÷ B = _____(FCR)

Factors that affect FCR:

1. Temperature
2. Ventilation and Air Flow
3. Feed Quality
4. Water Quality
5. Diseases and Medication
6. Feeding Pattern
7. Light
8. Noise Stress

Summary of Market Broiler Project

Write a story about your Market Broiler Project. Use these questions to help you describe your experience with the broiler project this year.

1) Describe what success and failures you had during the project.
2) What things would you do different 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 any 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 the chicks?
9) Did you have any problems with varmints or predators?
10) What type of feed did you use?
11) What was the total cost of the feed?
12) What type of Feeders Use?
13) Tell about your Management of your Project, (examples: feed, water, bedding and etc.)
Add anything else you feel is important.
Summary of Project (Use additional Sheets if needed)

_____

_____

_____

_____