

# KENTUCKY 4-H



# LAYER PROJECT

## Record Book

Name \_\_\_\_\_

Age (as of September 1) \_\_\_\_\_

County \_\_\_\_\_

I certify that I have personally kept records and completed this record book

Signed: \_\_\_\_\_  
Member Date

I certify that this youth is an active member of the \_\_\_\_\_  
4-H Club. This book has been completed by the youth and is an accurate record of the project

Signed: \_\_\_\_\_  
Club leader or Parent Date

**GENERAL INFORMATION**

Why did you choose to participate in the 4-H Layer project?

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What breed(s) are your chickens? \_\_\_\_\_

When did you receive your chicks? \_\_\_\_\_

When did you get your first egg? \_\_\_\_\_

Did you sell any of the eggs produced? \_\_\_\_\_

If so, what price did you charge? \_\_\_\_\_

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What were your goals for your 4-H Layer in project?

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Did you achieve your goals?

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Besides club meetings, list the 4-H events and activities that you participated in this?

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**ANIMAL CARE AND MANAGEMENT**

What did you do to take care of your 4-H Layer Project chickens?

Activity	Check the column(s) that applies		
	Daily	Weekly	Monthly
Feed			
Water			
Clean feeder			
Clean waterer			
Rake pen			
Add new bedding			
Remove used litter			
Observe the chickens' behavior			
Collect eggs			

Add a photo of you taking care of your flock:

**FEED TAG INFORMATION**

Attach a feed tag from your layer ration.

**FEED TAG INFORMATION**

Use your feed tag attached above to answer the following questions.

What is the minimum crude protein content of this feed? \_\_\_\_\_

What are the **main** ingredients in this feed?

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**MORTALITY RECORDS**

**Layer:**

Initial number of pullets: \_\_\_\_\_

DATE	#HEN(S) LOST	REASON*	REMARKS	#HENS LEFT

*\*Reason could be died, culled, predator, etc.*

$$\text{PERCENT MORTALITY} = \frac{\text{Number of hens that died}}{\text{Number of hens at the beginning}} \times 100$$

Calculate percent mortality for your flock:

\_\_\_\_\_ X 100 = \_\_\_\_\_ %

Would you consider the level of mortality you had high or low? \_\_\_\_\_

If high, what could you have done differently to reduce the level of mortality?

\_\_\_\_\_

\_\_\_\_\_

Add a photograph of one of two of your hens:

**MONTH:** \_\_\_\_\_

**EGG PRODUCTION**

Number of hens at the beginning: \_\_\_\_\_

Date of first egg: \_\_\_\_\_

DAY OF THE MONTH	# GOOD EGGS	# BROKEN EGGS	TOTAL EGGS PRODUCED
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<b>TOTAL</b>			

**MONTHLY PERCENT EGG PRODUCTION ON HENS-HOUSED BASIS:**

$\frac{\text{Total number of eggs produced}}{\text{Initial number of hens} \times \text{Total number of days}} \times 100 = \text{_____} \%$

**MONTHLY PERCENT SALEABLE EGGS**

$\frac{\text{Total number of GOOD eggs produced}}{\text{Total number of eggs produced}} \times 100 = \text{_____} \%$





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**PROJECT SUMMARY**

**MONTHLY EGG PRODUCTION**

MONTH	#HENS	#TOTAL EGGS	#GOOD EGGS	EGGS CONSUMED	DOZENS SOLD	\$/DOZEN	INCOME
<b>TOTAL</b>							

**EQUIPMENT (ASSETS) FOR THE PROJECT:** Before getting your chickens, you needed a variety of different pieces of equipment specific for growing your pullets. Since this equipment can be used over and over again, they are not a project-specific cost, but an investment that was made. What equipment did you get and what did they cost (or what are they worth if you already had them)?

ITEM	COST OR VALUE
Housing	
Feeders	
Waterers	
Buckets	
Tools	
Nest boxes	
<b>TOTAL ASSETS</b>	<b>\$</b>

**Donated Items**

DATE	DESCRIPTION	DOLLAR VALUE
<b>TOTAL VALUE OF DONATED ITEMS</b>		<b>\$</b>

**PROJECT EXPENSES:** An expense is something that you pay for or that costs you money. Your project expenses include the cost or value of your animals at the beginning of the project, what you paid for feed, what you paid for veterinary bills, and what you paid to show your animals. If siblings are sharing a poultry coop, each should declare half of the expenses.

**Animal Expenses**

Value of pullets at start of project: \$ \_\_\_\_\_

Value of spent hens at end of project: \$ \_\_\_\_\_

**Feed Expenses**

MONTH	POUNDS OF FEED CONSUMED	COST PER POUND OFFEED	COST OR VALUE
<b>TOTAL FEED EXPENSES</b>			<b>\$</b>

**FEED EFFICIENCY / FEED CONVERSION**

Amount of layer feed consumed during egg production \_\_\_\_\_ lb.

Total number of eggs produced \_\_\_\_\_ eggs

**Feed efficiency** = \_\_\_\_\_ eggs produced ÷ \_\_\_\_\_ lb. of feed = \_\_\_\_\_ **eggs/lb. feed**

**Feed conversion** = \_\_\_\_\_ lb. feed ÷ \_\_\_\_\_ eggs produced = \_\_\_\_\_ **lb. feed/egg**

**Feed efficiency per dozen** ( \_\_\_\_\_ eggs produced ÷ 12) doz. eggs ÷ \_\_\_\_\_ lb. of feed = \_\_\_\_\_ **doz. eggs/lb. feed**

**Feed conversion per dozen** = \_\_\_\_\_ lb. of feed ÷ ( \_\_\_\_\_ eggs produced ÷ 12) doz. Eggs = \_\_\_\_\_ **lb. feed/dozen eggs**

Were your hens efficient at converting feed to eggs? \_\_\_\_\_

**Veterinary Expenses**

MONTH	TREATMENT OR MEDICATION	COST
<b>TOTAL VETERINARY EXPENSES</b>		<b>\$</b>

**Miscellaneous expenses (e.g., bedding material)**

MONTH	ITEM(S)	COST
<b>TOTAL MISCELLANEOUS EXPENSES</b>		<b>\$</b>

**FINANCIAL SUMMARY*****Project Income***

Value of spent hens end of project	\$ _____
Egg income	\$ _____
Show prize money	\$ _____
Other income	\$ _____
<b><i>Total Project Income</i></b>	<b>\$ _____</b>

***Project Expenses***

Initial value of ready-to-lay pullets	\$ _____
Feed expenses	\$ _____
Veterinary expenses	\$ _____
Miscellaneous expenses (e.g. bedding)	\$ _____
<b><i>Total Project Expenses</i></b>	<b>\$ _____</b>

***Total Profit or Loss***

<b><i>Total project income</i></b>	<b>\$ _____</b>
<b><i>minus</i></b>	
<b><i>Total project expenses</i></b>	<b>\$ _____</b>
<b>TOTAL PROFIT OR LOSS</b>	<b>\$ _____</b>

**MAJOR LEARNING EXPERIENCES**

What did participation in the layer project teach you about egg production?

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What skills did you develop working with your layer project?

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**LET'S SEE WHAT YOU LEARNED**

1. What does it mean when a breed is said to be dual purpose?

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2. List five (5) chicken breeds that would be good for a backyard egg laying flock?

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3. What does a chick need to keep it comfortable, healthy, and growing?

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4. What is the right height for feeders to make sure the feed is not contaminated or wasted?

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**CREATIVE PROJECT DOCUMENTATION**

- Include news clippings, flyers, agendas or programs from any educational workshops that you attended related to your project
- Include photos of your project from beginning to end (include captions for each photo)

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