

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?

What breed(s) are your chickens? _____

When did you receive your chicks? _____

When did you get your first egg? _____

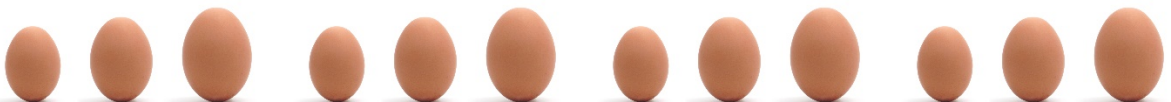
Did you sell any of the eggs produced? _____

If so, what price did you charge? _____

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

Did you achieve your goals?

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



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?

MORTALITY RECORDS

Layer:

Initial number of pullets: _____

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

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

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
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
TOTAL			

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

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

FEED PURCHASES DURING THE MONTH**FEED USED DURING THE MONTH**

MISCELLANEOUS EXPENSES (e.g., bedding material, egg cartons, etc.)

DATE	ITEM	COST
TOTAL MISCELLANEOUS EXPENSES		\$

FINANCIAL SUMMARY FOR THE MONTH***Project Income***

Value of eggs consumed	\$	_____
Vale of eggs given away	\$	_____
Eggs sold	\$	_____
Total Project Income	\$	_____

Project Expenses

Feed expenses	\$	_____
Veterinary expenses	\$	_____
Miscellaneous expenses (e.g., bedding)	\$	_____
Total Project Expenses	\$	_____

TOTAL PROFIT OR LOSS	\$	_____
-----------------------------	-----------	--------------

MONTH: _____

EGG PRODUCTION

Number of hens at the beginning: _____

DAY OF THE MONTH	# GOOD EGGS	# BROKEN EGGS	TOTAL EGGS PRODUCED
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
TOTAL			

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

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

MISCELLANEOUS EXPENSES (e.g., bedding material, egg cartons, etc.)

DATE	ITEM	COST
TOTAL MISCELLANEOUS EXPENSES		\$

FINANCIAL SUMMARY FOR THE MONTH***Project Income***

Value of eggs consumed	\$	_____
Vale of eggs given away	\$	_____
Eggs sold	\$	_____
Total Project Income	\$	_____

Project Expenses

Feed expenses	\$	_____
Veterinary expenses	\$	_____
Miscellaneous expenses (e.g., bedding)	\$	_____
Total Project Expenses	\$	_____

TOTAL PROFIT OR LOSS	\$	_____
-----------------------------	-----------	--------------

MONTH: _____

EGG PRODUCTION

Number of hens at the beginning: _____

DAY OF THE MONTH	# GOOD EGGS	# BROKEN EGGS	TOTAL EGGS PRODUCED
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
TOTAL			

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

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

MISCELLANEOUS EXPENSES (e.g., bedding material, egg cartons, etc.)

DATE	ITEM	COST
TOTAL MISCELLANEOUS EXPENSES		\$

FINANCIAL SUMMARY FOR THE MONTH***Project Income***

Value of eggs consumed	\$	_____
Vale of eggs given away	\$	_____
Eggs sold	\$	_____
Total Project Income	\$	_____

Project Expenses

Feed expenses	\$	_____
Veterinary expenses	\$	_____
Miscellaneous expenses (e.g., bedding)	\$	_____
Total Project Expenses	\$	_____

TOTAL PROFIT OR LOSS	\$	_____
-----------------------------	-----------	--------------

MONTH: _____

EGG PRODUCTION

Number of hens at the beginning: _____

DAY OF THE MONTH	# GOOD EGGS	# BROKEN EGGS	TOTAL EGGS PRODUCED
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
TOTAL			

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

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

MISCELLANEOUS EXPENSES (e.g., bedding material, egg cartons, etc.)

DATE	ITEM	COST
TOTAL MISCELLANEOUS EXPENSES		\$

FINANCIAL SUMMARY FOR THE MONTH***Project Income***

Value of eggs consumed	\$	_____
Vale of eggs given away	\$	_____
Eggs sold	\$	_____
Total Project Income	\$	_____

Project Expenses

Feed expenses	\$	_____
Veterinary expenses	\$	_____
Miscellaneous expenses (e.g., bedding)	\$	_____
Total Project Expenses	\$	_____

TOTAL PROFIT OR LOSS	\$	_____
-----------------------------	-----------	--------------

MONTH: _____

EGG PRODUCTION

Number of hens at the beginning: _____

DAY OF THE MONTH	# GOOD EGGS	# BROKEN EGGS	TOTAL EGGS PRODUCED
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
TOTAL			

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

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

MISCELLANEOUS EXPENSES (e.g., bedding material, egg cartons, etc.)

DATE	ITEM	COST
TOTAL MISCELLANEOUS EXPENSES		\$

FINANCIAL SUMMARY FOR THE MONTH***Project Income***

Value of eggs consumed	\$	_____
Vale of eggs given away	\$	_____
Eggs sold	\$	_____
Total Project Income	\$	_____

Project Expenses

Feed expenses	\$	_____
Veterinary expenses	\$	_____
Miscellaneous expenses (e.g., bedding)	\$	_____
Total Project Expenses	\$	_____

TOTAL PROFIT OR LOSS	\$	_____
-----------------------------	-----------	--------------

MONTH: _____

EGG PRODUCTION

Number of hens at the beginning: _____

DAY OF THE MONTH	# GOOD EGGS	# BROKEN EGGS	TOTAL EGGS PRODUCED
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
TOTAL			

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

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

MISCELLANEOUS EXPENSES (e.g., bedding material, egg cartons, etc.)

DATE	ITEM	COST
TOTAL MISCELLANEOUS EXPENSES		\$

FINANCIAL SUMMARY FOR THE MONTH***Project Income***

Value of eggs consumed	\$	_____
Vale of eggs given away	\$	_____
Eggs sold	\$	_____
Total Project Income	\$	_____

Project Expenses

Feed expenses	\$	_____
Veterinary expenses	\$	_____
Miscellaneous expenses (e.g., bedding)	\$	_____
Total Project Expenses	\$	_____

TOTAL PROFIT OR LOSS	\$	_____
-----------------------------	-----------	--------------

MONTH: _____

EGG PRODUCTION

Number of hens at the beginning: _____

DAY OF THE MONTH	# GOOD EGGS	# BROKEN EGGS	TOTAL EGGS PRODUCED
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
TOTAL			

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

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

FEED PURCHASES DURING THE MONTH

FEED USED DURING THE MONTH

Number of bags (full or partial) at start of month: _____

Number of bags added during the month: _____

Number of bags (full or partial) at end of month: _____

Number of bags (full or partial) used during the month: _____

Pounds of feed per bag: _____

Pounds of feed consumed during the month: _____

Cost per pound of feed: \$ _____

Feed costs during the month: \$ _____

MISCELLANEOUS EXPENSES (e.g., bedding material, egg cartons, etc.)

DATE	ITEM	COST
TOTAL MISCELLANEOUS EXPENSES		\$

FINANCIAL SUMMARY FOR THE MONTH***Project Income***

Value of eggs consumed	\$	_____
Vale of eggs given away	\$	_____
Eggs sold	\$	_____
Total Project Income	\$	_____

Project Expenses

Feed expenses	\$	_____
Veterinary expenses	\$	_____
Miscellaneous expenses (e.g., bedding)	\$	_____
Total Project Expenses	\$	_____

TOTAL PROFIT OR LOSS	\$	_____
-----------------------------	-----------	--------------

MONTH: _____

EGG PRODUCTION

Number of hens at the beginning: _____

DAY OF THE MONTH	# GOOD EGGS	# BROKEN EGGS	TOTAL EGGS PRODUCED
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
TOTAL			

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

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

MISCELLANEOUS EXPENSES (e.g., bedding material, egg cartons, etc.)

DATE	ITEM	COST
TOTAL MISCELLANEOUS EXPENSES		\$

FINANCIAL SUMMARY FOR THE MONTH***Project Income***

Value of eggs consumed	\$	_____
Vale of eggs given away	\$	_____
Eggs sold	\$	_____
Total Project Income	\$	_____

Project Expenses

Feed expenses	\$	_____
Veterinary expenses	\$	_____
Miscellaneous expenses (e.g., bedding)	\$	_____
Total Project Expenses	\$	_____

TOTAL PROFIT OR LOSS	\$	_____
-----------------------------	-----------	--------------

MONTH: _____

EGG PRODUCTION

Number of hens at the beginning: _____

DAY OF THE MONTH	# GOOD EGGS	# BROKEN EGGS	TOTAL EGGS PRODUCED
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
TOTAL			

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

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

FEED PURCHASES DURING THE MONTH

FEED USED DURING THE MONTH

Number of bags (full or partial) at start of month: _____

Number of bags added during the month: _____

Number of bags (full or partial) at end of month: _____

Number of bags (full or partial) used during the month: _____

Pounds of feed per bag: _____

Pounds of feed consumed during the month: _____

Cost per pound of feed: \$ _____

Feed costs during the month: \$ _____

MISCELLANEOUS EXPENSES (e.g., bedding material, egg cartons, etc.)

DATE	ITEM	COST
TOTAL MISCELLANEOUS EXPENSES		\$

FINANCIAL SUMMARY FOR THE MONTH***Project Income***

Value of eggs consumed	\$	_____
Vale of eggs given away	\$	_____
Eggs sold	\$	_____
Total Project Income	\$	_____

Project Expenses

Feed expenses	\$	_____
Veterinary expenses	\$	_____
Miscellaneous expenses (e.g., bedding)	\$	_____
Total Project Expenses	\$	_____

TOTAL PROFIT OR LOSS	\$	_____
-----------------------------	-----------	--------------

MONTH: _____

EGG PRODUCTION

Number of hens at the beginning: _____

DAY OF THE MONTH	# GOOD EGGS	# BROKEN EGGS	TOTAL EGGS PRODUCED
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
TOTAL			

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

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

FEED PURCHASES DURING THE MONTH

FEED USED DURING THE MONTH

Number of bags (full or partial) at start of month: _____

Number of bags added during the month: _____

Number of bags (full or partial) at end of month: _____

Number of bags (full or partial) used during the month: _____

Pounds of feed per bag: _____

Pounds of feed consumed during the month: _____

Cost per pound of feed: \$ _____

Feed costs during the month: \$ _____

MISCELLANEOUS EXPENSES (e.g., bedding material, egg cartons, etc.)

DATE	ITEM	COST
TOTAL MISCELLANEOUS EXPENSES		\$

FINANCIAL SUMMARY FOR THE MONTH***Project Income***

Value of eggs consumed	\$	_____
Vale of eggs given away	\$	_____
Eggs sold	\$	_____
Total Project Income	\$	_____

Project Expenses

Feed expenses	\$	_____
Veterinary expenses	\$	_____
Miscellaneous expenses (e.g., bedding)	\$	_____
Total Project Expenses	\$	_____

TOTAL PROFIT OR LOSS	\$	_____
-----------------------------	-----------	--------------

PROJECT SUMMARY**MONTHLY EGG PRODUCTION**

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

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	
TOTAL ASSETS	\$

Donated Items

DATE	DESCRIPTION	DOLLAR VALUE
TOTAL VALUE OF DONATED ITEMS		\$

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 OF FEED	COST OR VALUE
TOTAL FEED EXPENSES			\$

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
TOTAL VETERINARY EXPENSES		\$

Miscellaneous expenses (e.g., bedding material)

MONTH	ITEM(S)	COST
TOTAL MISCELLANEOUS EXPENSES		\$

FINANCIAL SUMMARY***Project Income***

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

Project Expenses

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

Total Profit or Loss

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

MAJOR LEARNING EXPERIENCES

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

What skills did you develop working with your layer project?

LET'S SEE WHAT YOU LEARNED

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

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

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

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

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)

CREATIVE PROJECT DOCUMENTATION

CREATIVE PROJECT DOCUMENTATION