Food and Agriculture Organization of the United Nations

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SWM SUSTAINABLE WILDLIFE MANAGEMENT PROGRAMME

Poultry monitoring notebook

Supported by

Funded by the European Union

FONDS FRANÇAIS POUR L'ENVIRONNEMENT MONDIAL

AFD AGENCE FRANÇAISE DE DÉVELOPPEMENT

Sustainable Wildlife Management (SWM) Programme

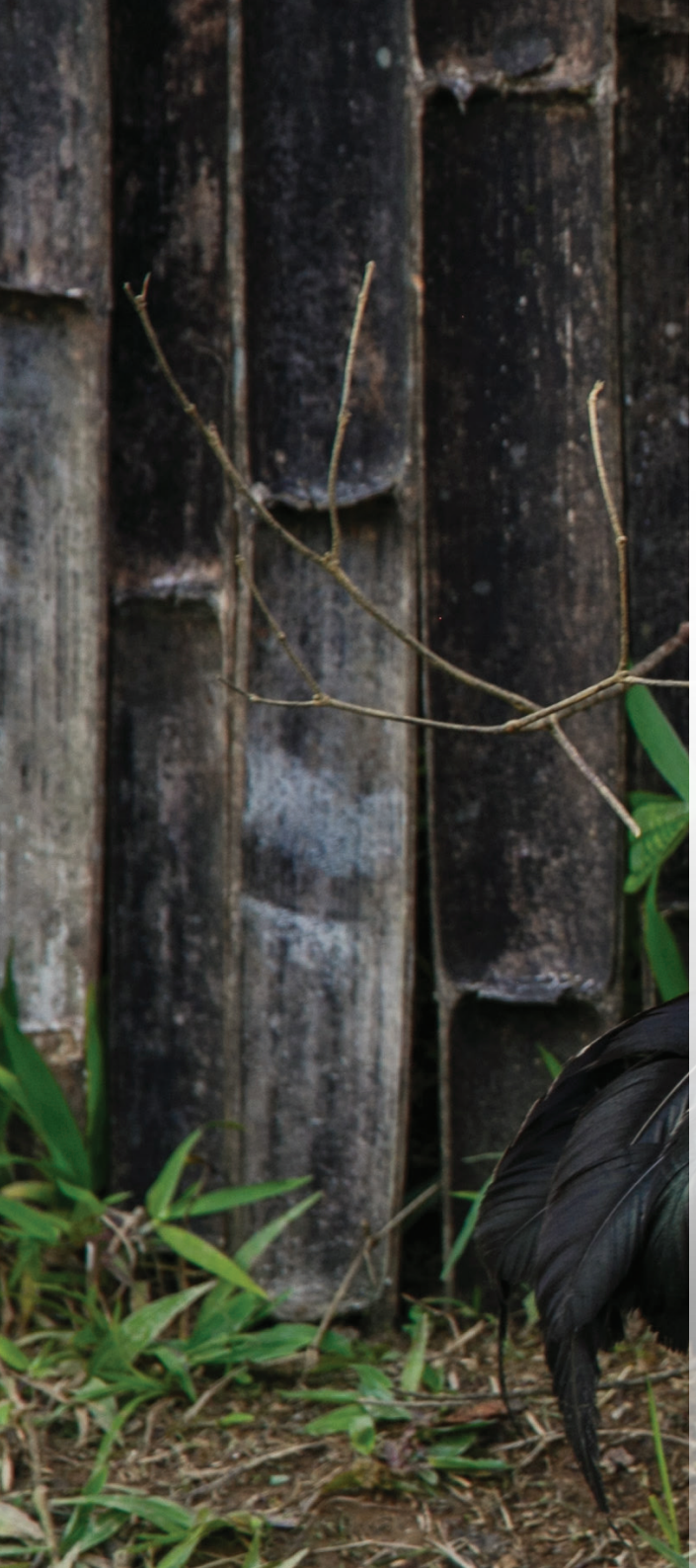
This Poultry monitoring notebook was produced by the Sustainable Wildlife Management (SWM) Programme to help rural communities in tropical and semi-tropical regions reduce their dependence on wild meat consumption and to improve family nutrition.

The SWM Programme is developing innovative, collaborative and scalable new approaches in fifteen countries to conserve wild animals and protect ecosystems, whilst at the same time improving the livelihoods of indigenous peoples and rural communities who depend on these resources. The aim is to:

a) improve how wildlife hunting is regulated;
b) increase the supply of sustainably produced meat products and farmed fish;
c) strengthen the management capacities of indigenous and rural communities;
d) reduce demand for wild meat, particularly in towns and cities.

The SWM Programme is an initiative of the Organisation of African, Caribbean and Pacific States (OACPS). It is funded by the European Union (EU) and co-financed by the French Facility for Global Environment (FFEM) and the French Development Agency (AFD). It is being implemented by the Food and Agriculture Organization of the United Nations (FAO), the French Agricultural Research Centre for International Development (CIRAD), the Centre for International Forestry Research (CIFOR) and the Wildlife Conservation Society (WCS).

A brighter future for people and wildlife



Poultry monitoring notebook

SWM Programme

Published by

the Food and Agriculture Organization of the United Nations

the International Cooperation Centre of Agricultural Research for Development

the Center for International Forestry Research

and

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Illustrations: Niels Poulsen

PURPOSE OF THIS DOCUMENT

This notebook belongs to:

_____

Locality: _____

_____ _____

Purpose of this document

You have chosen to keep poultry to improve your family's nutrition or income, congratulations! This monitoring notebook is designed to help you manage your poultry farm by recording the main activities carried out, costs and income. Filling it in every day will take little time and will allow you to evaluate the progress of your enterprise, its profitability, and will help you to make better decisions about the management of your flock. A few examples are provided in the booklet. The following sheets can be used as a reference but they can also be adapted based on the farmer's production system and needs.

The notebook is composed of three types of sheets:

- one for recording the incoming and outgoing animals and the related expenses and income;
- one for recording the daily activities or observations, chicken health (diseases and vaccination), egg production, and other expenses and income;
- one for the monthly summary. You can decide to do the same exercise on a different timeframe too.

To describe the activities in relation to your birds, you can write the description, use the tables with pictures in the appendix, or draw your own pictures. If you have several poultry houses, or work with several batches, fill in a different table for each house and each batch.

By observing your birds every day, and in this notebook, you will get to know them and be able to detect problems or opportunities at the right time. If you have any questions about how to fill in this booklet, please contact:

Name: _____.

Telephone: _____.

E-mail: _____.

We wish you a lot of success with your poultry enterprise!

EXAMPLES

Next are two examples of how the notebook can be used.

Example 1

Ana has been raising poultry for 2 years. She has about 25 birds now. Each day, before waking up her kids and before going to bed, she spends some time with her birds to observe them, feed them and provide them basic care.

- On Monday **2 January**, she spends 15 minutes with the birds in the morning, and 15 minutes in the evening (**0.5 hour** in total). She gives them fresh water, and feeds them with some rice grains and worms from her vermi-composts. All birds look healthy.
- On Tuesday **3 January**, during her morning observation of the birds, she notices a crack in the poultry house and a hole in the roof. During the day, she goes and buy materials to repair it. It costs her **USD 7**. In total that day, she spent **2 hours** caring for the birds and repairing the poultry house. In the evening, she notices that 2 hens have laid an egg and collects the **2 eggs**.
- On Wednesday **4 January**, more hens have laid eggs: she collects **4 eggs** that day. For dinner, the family has an omelet and eats the **4 eggs**. Her morning and evening routine to feed, water and observe the birds took her 30 minutes (**0.5 hour**) in total.
- Thursday **5 January** is market day. In the morning, Ana notices and collects **4 new eggs**. At the market, she **sells 6 eggs** (for a total of **USD 2**) as well as **6 chickens** for **USD 30**. She also buys 10 chicks at USD 1 each, which makes a total of **USD 10** for the new chicks. That day, she spent **3 hours** caring for the birds and going to the market.
- On Friday **6 January,** during her morning visit to the birds, in addition to collecting **2 new eggs**, she notices that one bird looks sick: he has lost some feathers and refuses to eat. She immediately takes it out of the flock and puts it in a smaller poultry house for quarantine. For the other 20 birds, this is the day to get their vaccine against New Castle disease. The community vaccinator comes to Ana's place and vaccinates the 20 healthy birds. Ana pays her **USD 10**. That day, she spent **2 hours** with the birds in total.
- On Saturday **7 January**, she spends **0.5 hour** to distribute feed and water to the birds. They all look healthy, even the quarantined bird looks better, but unfortunately one of the new chicks is dead.
- On Sunday **8 January**, she spends **0.5 hour** with the birds as usual, but decides to kill one of the old hens and cook it for dinner. All the family enjoys the delicious meal!

Next is how Ana has filled in her notebook. Instead of writing out the activities entirely, she could also have used the letters from the activity guide indicated in brackets.

Daily observations, chicken health, egg production and other expenses and income

Reference of the batch:			Chicken health								Egg production				Other expenses or income	
Date	Activity/Observation: *any kind of activity or observation in relation with your poultry production. (*)*	Time spent for the birds (hours)	Diseases		Expenses for vaccine or medicine (treatment or prevention)		Vaccination		Vaccination		Eggs laid	Eggs eaten by the family	Eggs sold		Expenses for inputs, materials, feed…	Other income: sale of poultry manure, …
			Number of sick birds	Type of disease (or symptom if the disease is unknown)	Type of product	USD	Number of vaccinated birds	Name of the vaccine	Date next dose due (date)	Administered by	Number	Number	Number	USD	USD	USD
2 Jan 20	Observation (F)	0.5													USD 7	
3 Jan 20	Buy materials (A), repair chicken house (D), eggs laid (G)	2									2					
4 Jan 20	Eggs laid (G), eggs eaten (R)	0.5									4	4				
5 Jan 20	Eggs laid (G), sell eggs (V), sell chickens (T), buy chicks (J)	3									4		6	USD 2		
6 Jan 20	Eggs laid (G). 1 sick bird (M). Vacccinated 20 birds against Newcastle disease (C)	2	1	feather loss, does not eat		USD 10	20	ITA-NEW	7/6/21	Community vaccinator	2					
7 Jan 20	One chick dead (N)	0.5														
8 Jan 20	One hen eaten (P)	0.5														
TOTAL		**9**				**10**	**20**				**12**	**4**	**6**	**USD 2**	**USD 7**	**USD 0**
						(3)						**(6)**		**(4)**	**(3)**	**(4)**

(*) The colmun can be filled in either by writing a description of the activities or by using the letters in the activity guide.
Changes related to the number of birds should be recorded in the next table.
Values in red are references used for the synthesis.

Incoming and outgoing animals

	Incoming birds						Outgoing birds							
Date	Chicks hatched	Chicks bought		Pullets/adult birds bought		Chicks, pullets or adult birds received by another way	Chicks dead	Pullets/ adult birds dead	Pullets/ adult birds eaten	Chicks sold		Pullets/adult birds sold		Chicks, pullets and adult birds out for other reasons (given, lost, stolen…)
	Number	Number	USD	Number	USD	Number	Number	Number	Number	Number	USD	Number	USD	Number
5 Jan 20		10	USD 10									6	USD 30	
7 Jan 20							1							
8 Jan 20									1					
TOTAL	0	10	USD 10	0	USD 0	0	1	0	1	0	USD 0	6	USD 30	0
	(1)	(1)	(3)	(1)	(3)	(1)	(2)	(2)	(2) (5)	(2)	(4)	(2)	(4)	(2)

Synthesis for January 2 - January 8, 2020

Total number of birds at the beginning of the period (0)	
Total incoming birds (1)	
Total outgoing birds (2)	
Total new birds (7) = (1) - (2)	
Total number of birds at the end of the period = (0) + (7)	
Total income (4)	
Total cost (3)	
Total revenue = (4) - (3)	

Total birds eaten (5)	
Total eggs eaten (6)	

Values in red are references used for the synthesis.

In total, this week, Ana has **earned USD 5** and has gained **2 new birds** in her flock.

Additionally, her family has **eaten 4 eggs and 1 chicken**.

Example 2

Alec is the owner of a flock of 30 birds. Every day, he observes his birds and takes notes in his monitoring notebook.

- On Monday **7 February**, Alec goes to buy some feed at the nearest farm, which costs him **USD 8.** He lets the birds scavenge in his yard during the day, but every evening he feeds them with some complementary commercial feed. In total that day, he spent **1.5 hour** for the birds.
- Tuesday **8 February** is market day. Alec sells a few bags of manure and earns **USD 10**. He also sells 5 chickens for **USD 25**. The observation of the birds and selling at the market took him **3 hours** that day.
- On Wednesday **9 February**, Alec's best friend comes to visit him and helps him work in his bean field. To thank him, Alec gives him one chicken and kills and cooks one that they eat together. That day, the total time spent with the birds is **0.5 hour**.
- On Thursday **10 February**, as every day, Alec observes his birds and notices that 5 of them are starting to look sick. They cough and have unusually watery faeces. He isolates them immediately in a smaller poultry house and thoroughly cleans the main house. This takes him **1 hour a**ltogether.
- On Friday **11 February**, the sick birds look worse. They have now lost their appetite and are showing signs of nervosity. Alec thinks it could be Newcastle disease, since he did not vaccinate his birds this year. The total time spent with the birds is **0.5 hour**.
- On Saturday **12 February**, the **5 sick birds die**. Alec buries them at a distance from the house, and spends **1 hour** in total for his birds.
- On Sunday **13 February,** when observing his birds, Alec is happy to note that the other birds look healthy. He and his family eat **5 hard boiled eggs** that they collected from his flock the week before. Alec spent **0.5 hour** with his birds.

Next is how Alec has filled in his notebook. Alec has used the letters from the activity guide; he could also have written out a description of the activities.

Daily observations, chicken health, egg production and other expenses and income

Reference of the batch:			Chicken health								Egg production				Other expenses or income	
Date	Activity/Observation: *any kind of activity or observation in relation with your poultry production. (*)*	Time spent for the birds (hours)	Diseases		Expenses for vaccine or medicine (treatment or prevention)		Vaccination		Vaccination		Eggs laid	Eggs eaten by the family	Eggs sold		Expenses for inputs, materials, feed…	Other income: sale of poultry manure, …
			Number of sick birds	Type of disease (or symptom if the disease is unknown)	Type of product	USD	Number of vaccinated birds	Name of the vaccine	Date next dose due (date)	Administered by	Number	Number	Number	USD	USD	USD
7 Feb 20	B	1.5													USD 8	
8 Feb 20	W, T	3														USD10
9 Feb 20	U, P	0.5														
10 Feb 20	M	1	5	cough, unusually watery faeces												
11 Feb 20	M	0.5	5	same + nervosity, loss of appetite												
12 Feb 20	O	1														
13 Feb 20	R	0.5										5				
TOTAL		**8**				**0**	**0**				**0**	**5**	**0**	**USD 0**	**USD 8**	**USD 10**
						(3)						**(6)**		**(4)**	**(3)**	**(4)**

(*) The colmun can be filled in either by writing a description of the activities or by using the letters in the activity guide.
Changes related to the number of birds should be recorded in the next table.
Values in red are references used for the synthesis.

Incoming and outgoing animals

	Incoming birds						Outgoing birds							
Date	Chicks hatched	Chicks bought		Pullets/adult birds bought		Chicks, pullets or adult birds received by another way	Chicks dead	Pullets/ adult birds dead	Pullets/ adult birds eaten	Chicks sold		Pullets/adult birds sold		Chicks, pullets and adult birds out for other reasons (given, lost, stolen…)
	Number	Number	USD	Number	USD	Number	Number	Number	Number	Number	USD	Number	USD	Number
8 Feb 20												5	USD 25	
9 Feb 20									1					1
12 Feb 20								5						
TOTAL	0	0	USD 0	0	USD 0	0	0	5	1	0	USD 0	5	USD 25	1
	(1)	(1)	(3)	(1)	(3)	(1)	(2)	(2)	(2) (5)	(2)	(4)	(2)	(4)	(2)

Synthesis for February 6 - February 12, 2020

Total number of birds at the beginning of the period (0)	
Total incoming birds (1)	
Total outgoing birds (2)	
Total new birds (7) = (1) - (2)	
Total number of birds at the end of the period = (0) + (7)	
Total income (4)	
Total cost (3)	
Total revenue = (4) - (3)	

Total birds eaten (5)	
Total eggs eaten (6)	

In total, this week, Alec has earned **USD 27** but his flock has **decreased by 12 birds**.

Additionally, his family has eaten **1 chicken** and **5 eggs.**

Now, it is your turn to fill in this notebook with your activities!

ACTIVITY NOTEBOOK AND MONTHLY SYNTHESIS

Reference of the batch:			Chicken health								Egg production				Other expenses or income	
Date	Activity/Observation: *any kind of activity or observation in relation with your poultry production. (*)*	Time spent for the birds (hours)	Diseases		Expenses for vaccine or medicine (treatment or prevention)		Vaccination		Vaccination		Eggs laid	Eggs eaten by the family	Eggs sold		Expenses for inputs, materials, feed…	Other income: sale of poultry manure, …
			Number of sick birds	Type of disease (or symptom if the disease is unknown)	Type of product	USD	Number of vaccinated birds	Name of the vaccine	Date next dose due (date)	Administered by	Number	Number	Number	USD	USD	USD
Total																
						(3)						(6)		(4)	(3)	(4)

(*) The colmun can be filled in either by writing a description of the activities or by using the letters in the activity guide.
Changes related to the number of birds should be recorded in the next table.
Values in red are references used for the synthesis.

	Incoming birds						Outgoing birds							
Date	Chicks hatched	Chicks bought		Pullets/adult birds bought		Chicks, pullets or adult birds received by another way	Chicks dead	Pullets/ adult birds dead	Pullets/ adult birds eaten	Chicks sold		Pullets/adult birds sold		Chicks, pullets and adult birds out for other reasons (given, lost, stolen…)
	Number	Number	USD	Number	USD	Number	Number	Number	Number	Number	USD	Number	USD	Number
TOTAL	0	0	USD 0	0	USD 0	0	0	5	1	0	USD 0	5	USD 25	1
	(1)	(1)	(3)	(1)	(3)	(1)	(2)	(2)	(2) (5)	(2)	(4)	(2)	(4)	(2)

Synthesis for (period) _____

Total number of birds at the beginning of the period (0)	
Total incoming birds (1)	
Total outgoing birds (2)	
Total new birds (7) = (1) - (2)	
Total number of birds at the end of the period = (0) + (7)	
Total income (4)	
Total cost (3)	
Total revenue = (4) - (3)	

Total birds eaten (5)	
Total eggs eaten (6)	

Reference of the batch:			Chicken health								Egg production				Other expenses or income	
Date	Activity/Observation: *any kind of activity or observation in relation with your poultry production. (*)*	Time spent for the birds (hours)	Diseases		Expenses for vaccine or medicine (treatment or prevention)		Vaccination		Vaccination		Eggs laid	Eggs eaten by the family	Eggs sold		Expenses for inputs, materials, feed…	Other income: sale of poultry manure, …
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Total																
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	Number	Number	USD	Number	USD	Number	Number	Number	Number	Number	USD	Number	USD	Number
TOTAL	0	0	USD 0	0	USD 0	0	0	5	1	0	USD 0	5	USD 25	1
	(1)	(1)	(3)	(1)	(3)	(1)	(2)	(2)	(2) (5)	(2)	(4)	(2)	(4)	(2)

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Total eggs eaten (6)	

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Total																
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	Number	Number	USD	Number	USD	Number	Number	Number	Number	Number	USD	Number	USD	Number
TOTAL	0	0	USD 0	0	USD 0	0	0	5	1	0	USD 0	5	USD 25	1
	(1)	(1)	(3)	(1)	(3)	(1)	(2)	(2)	(2) (5)	(2)	(4)	(2)	(4)	(2)

Synthesis for (period) _____

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Total income (4)	
Total cost (3)	
Total revenue = (4) - (3)	

Total birds eaten (5)	
Total eggs eaten (6)	

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Total																
						(3)						(6)		(4)	(3)	(4)

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	Number	Number	USD	Number	USD	Number	Number	Number	Number	Number	USD	Number	USD	Number
TOTAL	0	0	USD 0	0	USD 0	0	0	5	1	0	USD 0	5	USD 25	1
	(1)	(1)	(3)	(1)	(3)	(1)	(2)	(2)	(2) (5)	(2)	(4)	(2)	(4)	(2)

Synthesis for (period) _____

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Total eggs eaten (6)	

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Total																
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	Number	Number	USD	Number	USD	Number	Number	Number	Number	Number	USD	Number	USD	Number
TOTAL	0	0	USD 0	0	USD 0	0	0	5	1	0	USD 0	5	USD 25	1
	(1)	(1)	(3)	(1)	(3)	(1)	(2)	(2)	(2) (5)	(2)	(4)	(2)	(4)	(2)

Synthesis for (period) _____

Total number of birds at the beginning of the period (0)	
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Total																
						(3)						(6)		(4)	(3)	(4)

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	Number	Number	USD	Number	USD	Number	Number	Number	Number	Number	USD	Number	USD	Number
TOTAL	0	0	USD 0	0	USD 0	0	0	5	1	0	USD 0	5	USD 25	1
	(1)	(1)	(3)	(1)	(3)	(1)	(2)	(2)	(2) (5)	(2)	(4)	(2)	(4)	(2)

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			Number of sick birds	Type of disease (or symptom if the disease is unknown)	Type of product	USD	Number of vaccinated birds	Name of the vaccine	Date next dose due (date)	Administered by	Number	Number	Number	USD	USD	USD
Total																
						(3)						(6)		(4)	(3)	(4)

(*) The colmun can be filled in either by writing a description of the activities or by using the letters in the activity guide.
Changes related to the number of birds should be recorded in the next table.
Values in red are references used for the synthesis.

	Incoming birds						Outgoing birds							
Date	Chicks hatched	Chicks bought		Pullets/adult birds bought		Chicks, pullets or adult birds received by another way	Chicks dead	Pullets/ adult birds dead	Pullets/ adult birds eaten	Chicks sold		Pullets/adult birds sold		Chicks, pullets and adult birds out for other reasons (given, lost, stolen…)
	Number	Number	USD	Number	USD	Number	Number	Number	Number	Number	USD	Number	USD	Number
TOTAL	0	0	USD 0	0	USD 0	0	0	5	1	0	USD 0	5	USD 25	1
	(1)	(1)	(3)	(1)	(3)	(1)	(2)	(2)	(2) (5)	(2)	(4)	(2)	(4)	(2)

Synthesis for (period) _____

Total number of birds at the beginning of the period (0)	
Total incoming birds (1)	
Total outgoing birds (2)	
Total new birds (7) = (1) - (2)	
Total number of birds at the end of the period = (0) + (7)	
Total income (4)	
Total cost (3)	
Total revenue = (4) - (3)	

Total birds eaten (5)	
Total eggs eaten (6)	

Reference of the batch:			Chicken health								Egg production				Other expenses or income	
Date	Activity/Observation: *any kind of activity or observation in relation with your poultry production. (*)*	Time spent for the birds (hours)	Diseases		Expenses for vaccine or medicine (treatment or prevention)		Vaccination		Vaccination		Eggs laid	Eggs eaten by the family	Eggs sold		Expenses for inputs, materials, feed…	Other income: sale of poultry manure, …
			Number of sick birds	Type of disease (or symptom if the disease is unknown)	Type of product	USD	Number of vaccinated birds	Name of the vaccine	Date next dose due (date)	Administered by	Number	Number	Number	USD	USD	USD
Total																
						(3)						(6)		(4)	(3)	(4)

(*) The colmun can be filled in either by writing a description of the activities or by using the letters in the activity guide.
Changes related to the number of birds should be recorded in the next table.
Values in red are references used for the synthesis.

	Incoming birds						Outgoing birds							
Date	Chicks hatched	Chicks bought		Pullets/adult birds bought		Chicks, pullets or adult birds received by another way	Chicks dead	Pullets/ adult birds dead	Pullets/ adult birds eaten	Chicks sold		Pullets/adult birds sold		Chicks, pullets and adult birds out for other reasons (given, lost, stolen…)
	Number	Number	USD	Number	USD	Number	Number	Number	Number	Number	USD	Number	USD	Number
TOTAL	0	0	USD 0	0	USD 0	0	0	5	1	0	USD 0	5	USD 25	1
	(1)	(1)	(3)	(1)	(3)	(1)	(2)	(2)	(2) (5)	(2)	(4)	(2)	(4)	(2)

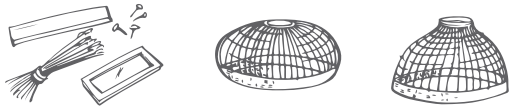
Synthesis for (period) _____

Total number of birds at the beginning of the period (0)	
Total incoming birds (1)	
Total outgoing birds (2)	
Total new birds (7) = (1) - (2)	
Total number of birds at the end of the period = (0) + (7)	
Total income (4)	
Total cost (3)	
Total revenue = (4) - (3)	

Total birds eaten (5)	
Total eggs eaten (6)	

ACTIVITY GUIDE

Pictures and letters that can be used to describe the activities

Activity	Letter	Picture
Buy materials	A	
Buy feed	B	
Buy vaccine / medicine or vaccinate birds	C	
Build or repair the poultry house	D	
Clean the poultry house	E	
Daily care of the birds (feed, water, observation, collect eggs…)	F	
Eggs laid	G	
Brooding hens	H	

Activity	Letter	Picture
Chicks hatched	I	
Buy chicks	J	
Buy pullet or adult bird	K	
Receive chicks, pullet or adult bird (gift, exchange…)	L	
Sick birds	M	
Dead chicks	N	
Dead pullet / adult bird	O	
Eat chicken	P	
Chicken lost by predation, thefts or other	Q	
Eat eggs	R	
Sell chicks	S	
Sell pullet or adult bird	T	
Give or exchange chicks, pullets or adult birds	U	
Sell eggs	V	

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