



RESEARCH
PROGRAM ON
Livestock

More meat, milk and eggs by and for the poor

D18288

Adaptation of the RHoMIS survey model to pastoral and agro-pastoral systems-

Sub-module related to pastoral management

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Part 1. Preamble

This preamble presents the main changes that have been introduced in the RHoMIS survey which has been tested in Morocco to approach (even measure) and understand the place of the herd-mobility in the adaptive capacity of pastoral and agro-pastoral systems.

SECTION 1: Metadata

Adjust the preliminary information the case study with:

- *Interviewer's name (A B C)
- *Name of Province: insert the names of the provinces in the studied region
- *Name of municipality
- * Name of the commune (meaning name of the locality)

SECTION 2: Household information

*Household population:

Add a question for each person in the household: Is He/she working away? Yes No

SECTION 3: Farm land sizes

*Does your household own land, rent land, use common land?

Add the land area for each type of land (own, jointly owned, in rent, ..)

Add the question: How many parcels is the land divided into?

For the land jointly owned: ask the question "With how many people outside the family is it owned?"

*In total how much land did you use for growing crops during the last 12 months?

Add the Cultivated land area:

add: Unit of land area:

* Which crops were grown by your household during the last 12 months?

What crops does your household grow?

List of annual crops: henna, mint, barley, wheat, potato, walnut, kentil, maize, sousbane, alfafa, vegetables, kiker, other

What vegetables does your household grow?

Excluding any major cash crop. If none, skip this question.

Adapt the list: eggplant, pepper, zucchini, tomato, onion, other

What fruits and fruit trees does your household have?

Excluding any major cash crop. If none, skip this question.

Adapt the list: apple, prune, peach, pomegranate, date-palm, cactus, almond, orange, mandarin, watermelon, melon, other

*In which season did you plant CROP?

Change the choices: winter, summer, both, other (instead of long, short, etc..)

*Which months did you irrigate?

Add question: what is the annual cost of irrigation ?

*How did you store your crops after the harvest during the last 12 months?

Add the option: no storage

*What does your household use the trees for?

Add a question: What is the global annual income from trees?

(because they produce dates or olive or argan for the market...)

*how do you use crop residues?

add the option: straw bales --> economic valuation

SECTION 4: livestock system

Livestock Details Repeat Loop

* I'm going to ask you about each of your most important livestock in turn. Define livestock number

Add two categories: camels and camels for racing

TRANSACTIONS

* How many live animal [\${livestock_label}] did you buy (or receive) in the last 12 months?

Add:

- Total Purchasing Price :
- Be funded by: 1. Farm income; 2. Out farm income; 3. Credit
- Who takes the decision?
 - Male adult
 - Female adult
 - Male youth (15-30yrs)
 - Female youth (15-30yrs)
 - Male child (<15 yrs)
 - Female child (<15 yrs)

*How many live animal [\${livestock_label}] have you sold in the last 12 months?

Add:

- Total selling Price :
- to fund what ? (Buying food Buying possessions (clothes, household items, vehicles)
Improving the farm (livestock, fertilisers, crops, machines) Spend on people (education, health care, travel); Other (precise)
- Who takes the decision? (Male adult Female adult Male youth (15-30yrs)
Female youth (15-30yrs) Male child (<15 yrs) Female child (<15 yrs)

LIVESTOCK MANAGEMENT (New development for pastoral or agro-pastoral systems)

* During the grazing period [\${livestock_label}]:

What month do you start grazing your animals?

What month do you stop grazing your animals?

What type of land do you use for grazing? (Possibility to use different type; Add an option 'crop residues')

What is the maximum distance from the house you travel for grazing?

Unit of distance: km or hours

Who keeps the animals on the pasture land? (Option: direct link (son, father); relative (brother, cousin); shepherd)

If shepherd: monthly cost?

Then ask: are there other payment in kind? (Options: 1. Meal; 2. Milk; 3. Heads of animals; other (precise))

What do you give in exchange for the grazing? (options: Milk, Food, Nothing, Other)

The herd moved individually or with other herds?

Add: If collectively, the size of the total herd in mobility? (Options: less than 100; 100 to 200; 200 to 500; 500 to 1000; more than 1000)

What is the state of the pastureland? (Options: Good, medium or Bad quality)

Do you provide supplementary feed during the grazing period?

How frequently do you supplement during the grazing period? (Options: Daily, or more than 3 times per week; 1 to 3 times per week; 1 to 3 times per month; Never, or less than once per month)

What type of supplementation do you provide the animals? (possibility to check different supplements)

List: Waste od dates, barley grain, luzern, maize, sugar beet pulp, bran, straw, bread, cactus pads, wheat flour, olive pomace, cracked wheat

What is the total feed cost during the grazing period? (local currency)

Select unit (Options: Per week; Per month; Whole period)

What percentage is purchased? (Options: All or nearly all (90-100%); More than half of it (60-90%); About half of it (40-60%); Less than half of it (10-40%); A small amount (1-10%); None (0%))

How often do you provide tanks of water for animals' watering?

In winter: Daily, or more than 3 times per week, etc...

In summer: Daily, or more than 3 times per week, etc...

Add which "mode of watering (Options:: Motopump, Citerm, lake, shallows, other)

How much do you spend on water in total during each grazing period?

How much does he pay for using the common pastureland (including all fees)?

***Does your household keep any of [\${livestock_label}] in stables or pens? Yes/no**

If NO: move directly to grazing system

IF YES:

What types of [\${livestock_label}] did you keep in the pen or stable? (means physiological categories) (Options: Reproduction female; Male adult; Fattening animals; Young male; Young female; No weaned animals; Racing animals; All animals)

What months of the year did you keep the \${livestock_label} in the pen or stable? (select the months of the years)

Do you provide supplementary feed during the period in stable?

How frequently do you supplement during the period in stable? (Options: Daily, or more than 3 times per week; 1 to 3 times per week; 1 to 3 times per month; Never, or less than once per month)

What type of supplementation do you provide the animals in the pen? (possibility to check different supplements)

What is the total cost of supplementary feed? (in local currency)

Over what time period? (Options: Per week; Per month; Whole period)

What percentage is purchased? (Options: All or nearly all (90-100%); More than half of it (60-90%); About half of it (40-60%); Less than half of it (10-40%); A small amount (1-10%); None (0%))

How often do you provide tanks of water for animals' watering?

In winter: Daily, or more than 3 times per week, etc...

In summer: Daily, or more than 3 times per week, etc...

Add which "mode of watering (Options:: Motopump, Citerm, lake, shallows, other)

ANIMAL PRODUCTS

Does your household collect milk [\${livestock_label}] ?

**What does your household do with the [\${livestock_label}] milk? (Options: Drink it at home, sell it, make dairy products?)*

Add:

If sell, what is the frequency? (Options: 3-4 times per week; 1-2 times per week; 1-2 times per month; occasionally)

Place of selling? (Options: farm, roadside; cooperative; milk shop; grocery)

Average price per liter?

Maximum price per liter?

What type of products does he produce? (Multi choices)

- Skin
- Wool
- Leather
- Urine
- No other product

Total income for each animal produce?

*Which animals does your household give the medicines to?

After add a question: total cost of medicines, care and vaccination per year for all animals? _____

SECTION 4: Other sources of income

* What are those sources of off-farm income?

In the categories: 'Labour, not on a farm' replace by "labour out of the agricultural activities"

SECTION 5: Food security

Does your household eat the wild foods, or sell them?

Eat / Use at home Sell Give away or exchange

Add options: *Graze by animals*

Think of: food made from grains, flour, or starchy white vegetables.

(cereals, sorghum, millet, maize, rice, pasta, wheat bread, potatoe, all tubercules)

Think of: nuts or seeds.

(almond, date, olive, nuts)

Does it include the oil from nuts like argan oil, olive oil? Or do we need to consider an other question?

Think of: orange coloured vegetables or fruits.

e.g Orange, cactus fruit, melon, carrot, pumpkin

Think of: other fruits.

e.g.banana, lemon, jujubier, apple, pear, prune, kiwi, avocado, ananas, etc...

SECTION 6: Well being/ Material conditions

*How many rooms does the household occupy?

Before asking the question: Where do you live? (*Options: tent; house; Both*)

Does the household have a black-and-white TV, color TV, and a satellite dish?

No TV Black-and-white TV (regardless of color TV or dish) Only color TV Color TV with dish (without black-and-white TV)

Add option: radio

After ask: Does the household have a mobile phone?

No mobile phone basic cell phone. Smart phone

* Does your household have a bicycle, motorcycle, or other motor vehicle used for transport?

Check the different options (possibility of different equipment)

- Bicycle

- Motorcycle

- Motor vehicle

- *4*4 vehicule (for desert)*

Remark (Not yet done):

Possibility to have different equipment in the same category and that changes significantly the level of living conditions.

For that we can propose to differentiate for each equipment:

New criteria: 1. Recent (< 5 years); 2. Middle age (5-10 years); 3. Old (> 10 years)

Part II. RHoMIS Morocco 2020 Version finale (D18288)

Section: METADATA

INTRODUCTION

Interviewer's name

- Justine
- Lina
- Massire
- Other

Time at beginning of survey

2020-06-03

12:45

» Location Details

Country name

- Morocco

Local currency:

- Dirham

Province name:

- Assa Zag
- Guelmim
- Tan tan
- Tinghir
- Errachidia

Name of Municipality:

- Alnif
- Assoul
- Boumalne Dades
- Tinghir

Name of Commune:

(locality)

- Ait el Farsi
- Imider
- Ouaklim
- Taghzoute N'Ait Atta
- Toudgha El Oulia
- Toudgha Essoufla

Enumerator: Introduce yourself, and then read out the following statement to the interviewee(s).

We have been employed by CIRAD to investigate XXX.

We would like to ask you some questions about your farming practices, other work you might do, foods that you eat in your household, and also who does what jobs. The interview will take about one hour. Everybody is asked the same questions. You will not be judged in any way, and your identity kept anonymous. If you don't want to answer something, that will not cause a problem. We will use the information which you give us to plan for more successful projects in your communities in the future.

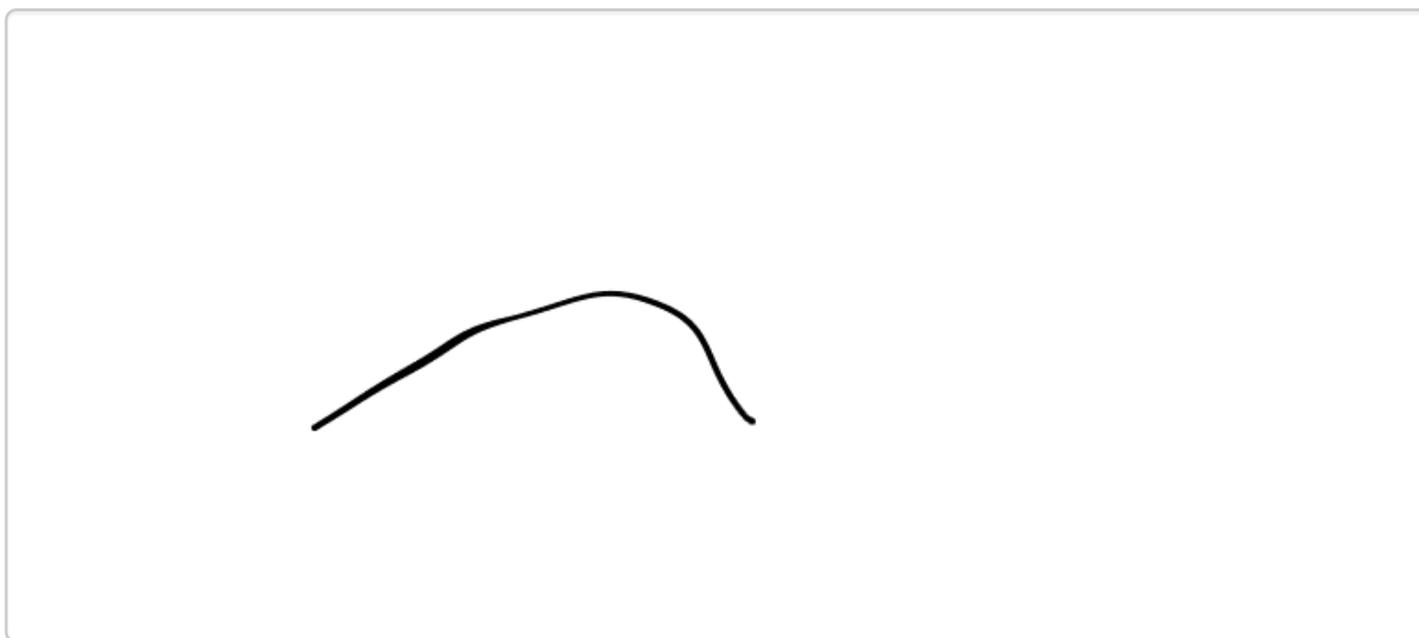
Do you have any questions?

Do you consent to provide information for this survey?

Yes

No

If you agree, please make a mark or signature here:

A large rectangular box with a thin grey border. Inside the box, there is a handwritten signature in black ink. The signature is a simple, stylized line that starts on the left, rises to a peak in the middle, and then descends on the right.

THANK THEM POLITELY FOR THEIR TIME AND LEAVE THE HOUSE

Section: Household information

HOUSEHOLD INFORMATION

First I'd like to ask some questions about who lives here.

» Respondent Details

What is the respondent's name?

In case we need to follow up

M.

Is the respondent male or female?

- Male
- Female

Is the respondent the head of the household?

Head person here means main breadwinner.

- Yes
- No

What is the name of the head of household?

How are you related to the head?

- Married to head
- Child of head
- Parent of head
- Other family member
- Not a family member

Is the head person married (or has a partner)?

- Has Partner – married or non-married
- Woman – single, widowed, divorced etc.
- Man – single, widowed, divorced etc.

Does the head person often live and work away from home?

Head person or their partner, away for more than three months per year

- No
- Man works away
- Woman works away
- Both work away

» Household Head Details

How old is the head man of the household?

if don't know enter 999

45

How old is the head woman/ senior woman of the household?

if don't know enter 999

32

What is the highest level of education the head person has completed?

- No school
- Coranic
- Primary
- Secondary
- Post-Secondary
- Adult education, literacy school or parish school

How many people live in your household?

Including the respondent. Including anyone who usually live, sleep and eat in this house or compound. It includes anyone who is temporarily away for less than 3 months, or anyone who is staying for more than 3 months.

4

Household population

1

For each person who lives in your household, please tell me their age and if they are male or female. Also please mention if they are working away.

Including the respondent

Person number 1

* Gender:

- Male
- Female

* Age in years:

If don't know make a guess

45

*** Is head of household?**

Yes

No

*** Have they completed primary school?**

Yes

No

*** Are they schooled?**

Yes

No

Is he or she working away?

Yes

No

2

For each person who lives in your household, please tell me their age and if they are male or female. Also please mention if they are working away.

Including the respondent

Person number 2

*** Gender:**

Male

Female

*** Age in years:**

If don't know make a guess

35

*** Is head of household?**

Yes

No

*** Have they completed primary school?**

Yes

No

*** Are they schooled?**

Yes

No

Is he or she working away?

Yes

No

For each person who lives in your household, please tell me their age and if they are male or female. Also please mention if they are working away.

Including the respondent

Person number 3

*** Gender:**

- Male
 Female

*** Age in years:**

If don't know make a guess

15

*** Is head of household?**

- Yes
 No

*** Have they completed primary school?**

- Yes
 No

*** Are they schooled?**

- Yes
 No

Is he or she working away?

- Yes
 No

For each person who lives in your household, please tell me their age and if they are male or female. Also please mention if they are working away.

Including the respondent

Person number 4

*** Gender:**

- Male
 Female

*** Age in years:**

If don't know make a guess

12

*** Is head of household?**

- Yes
 No

*** Have they completed primary school?**

- Yes
 No

*** Are they schooled?**

- Yes
 No

Is he or she working away?

- Yes
 No

FARM SIZE

Now I would like to ask some questions about how much land you use.

Section: Farm Land Sizes

Does your household own land, rent land, use common land?

For growing crops and grazing animals.

- Own land
- Jointly owned
- Rent in land for own use
- Rent out land to others
- Use common land
- No, don't use any land

How much land does your household own?

This includes any land they may rent out to other people, but does not include land they rent in for their own use.

3

Unit of land area:

- Acres
- Hectares
- Other

Who in the family owns your household's land?

can select multiple answers

- Male adult
- Female adult
- Male youth (15-30yrs)
- Female youth (15-30yrs)
- Male child (<15 yrs)
- Female child (<15 yrs)

Specify other area units:

How much land does your household own communally?

This includes any land they may rent out to other people, but does not include land they rent in for their own use.

1

Unit of land area:

- Acres
- Hectares
- Other

With how many people outside the family is it owned? *Enter '0' if none*

3

Specify other area units:

How much communal land does your household use?

This includes any land they may rent out to other people, but does not include land they rent in for their own use.

Unit of land area:

- Acres Hectares
 Other

Specify other area units:

About how much land does your household rent?

Unit of land area:

- Acres Hectares
 Other

About how much land does your household rent out for other people to use?

Includes allowing other people to use your land under sharecropping

Unit of land area:

- Acres Hectares
 Other

Specify other area units:

In total, how much land did you use for growing crops during the last 12 months?

This includes all of your crops, in any fields close to your house or far from your house

3

Unit of land area:

- Acres Hectares
 Other

Specify other area units:

How many parcels is the land divided into?

3

Who works on your land - household members or other people too? Consider crops, livestock, any farm activities.

can select multiple answers

- Household members
- Labour arrangements with family, friends or neighbours
- Hired labour
- Shepherd for herd mobility

Is your land mostly flat (straight), sloping or steep slopes?

Can select multiple, e.g. if some land is flat and some is sloping. Terraces count as flat land.

- Flat (or almost flat)
- Sloping
- Steep Slopes

Does your household have a kitchen garden or other place where you grow vegetables and fruits for home consumption?

e.g. for vegetables or fruits you eat in the house

- Yes
- No

CROP PRODUCTIVITY

Next, some questions about the crops you grow.

Does your household grow any crops?

- Yes
- No

Section: Crop productivity

» Cataloguing the crops

CROP PRODUCTIVITY

Which crops were grown by your household during the last 12 months?

- henna
- mint
- Barley
- Wheat
- Potato
- Walnut
- Lentils
- Maize
- Sousbane
- Alfalfa
- Fruits
- Vegetables
- Kiker
- Other 1
- Other 2
- Other 3

» Other Crops

Specify other crop #1 :

Specify other crop #2:

Specify other crop #3:

Who decided which crops to plant?

can select multiple answers

- Male adult
- Female adult
- Male youth (15-30yrs)
- Female youth (15-30yrs)
- Male child (<15 yrs)
- Female child (<15 yrs)
- Advice from a project, NGO, or government

What vegetables does your household grow?

Excluding any major cash crop. If none, skip this question.

- Eggplant
- Pepper
- Zucchini
- Tomato
- Onion
- Other vegetables

Specify other vegetable

potato

What fruits and fruit trees does your household have?

Excluding any major cash crop. If none, skip this question.

- Apple
- argan
- Prune
- Peach
- Pomegranate
- date-palm
- Cactus
- Almond
- orange tree
- olive
- Mandarin
- Watermelon
- Melon
- Other fruit

Specify other fruit

Did you harvest any of your crops early during the last 12 months?

Before the crop was fully mature

Yes

No

Which crops did you harvest early?

Barley

Wheat

Why did you harvest the crops early?

Fear of Theft

Hunger

Needed Income

Drought

Erratic rainfall or poor weather

High market price for crop

Other

Define "other":

Out of all of the crops grown by your household in the last 12 months, which were the MOST IMPORTANT?

Important in terms of quantity, bringing food into the home, or making money. Maximum 5 crops allowed.

Barley

Wheat

» Crop Details Repeat Loop

1

*** I'm going to ask you about each of these most important crops now. Define crop number 1:**

Barley Wheat

» » Crop Details

Crop number 1: Wheat

In which season did you plant Wheat?

Winter

Summer

*** During the 12 months, was the Wheat harvest good or bad?**

Good harvest

Normal harvest

Bad harvest

*** About how much Wheat did you harvest during the last 12 months?**

900

Crop yield Units:

- Kg Abra Tonnes
 Other

Did you grow Wheat intercropped with other plants?

- Grow alone
 Intercropped

*** About how much of your land did you use for growing Wheat during the last 12 months?**

Even if intercropped, think of whole land area where Wheat was planted.

- All or nearly all (90-100%)
 More than half of it (60-90%)
 About half of it (40-60%)
 Less than half of it (10-40%)
 A small amount (1-10%)
 None (0%)

Crop number 1: Wheat

*** Specify the crop yield 'other' units:**

» » Crop Use

Crop number 1: Wheat

*** What did you do with the main harvest of Wheat during the last 12 months? Did you eat it, use at home, sell it?**

You can select multiple answers

- Eat or Use at home
- Sell
- Feed to livestock
- Keep seed
- Give away or exchange
- There was no harvest

Crop number 1: Wheat

*** About how much of the Wheat was consumed or used by the household during the last 12 months?**

- All or nearly all (90-100%)
- More than half of it (60-90%)
- About half of it (40-60%)
- Less than half of it (10-40%)
- A small amount (1-10%)
- None (0%)

*** About how much of the Wheat was sold during the last 12 months?**

- All or nearly all (90-100%)
- More than half of it (60-90%)
- About half of it (40-60%)
- Less than half of it (10-40%)
- A small amount (1-10%)
- None (0%)

*** About how much of the Wheat was fed to livestock during the last 12 months?**

- All or nearly all (90-100%)
- More than half of it (60-90%)
- About half of it (40-60%)
- Less than half of it (10-40%)
- A small amount (1-10%)
- None (0%)

*** About how much of the Wheat was saved for seed during the last 12 months?**

- All or nearly all (90-100%)
- More than half of it (60-90%)
- About half of it (40-60%)
- Less than half of it (10-40%)
- A small amount (1-10%)
- None (0%)

Crop number 1: Wheat

* **How much money did you make from selling Wheat during the last 12 months?**

dirham

1500

* **sale price units:**

- Total income for the year Price per kg
 Price per bag (50 kg) Price per tonne
 Other

Crop number 1: Wheat

* **Specify the crop sale price 'other' units:**

Crop number 1: Wheat

* **Who usually decides what do to with the income from selling the Wheat?**

- Male adult
 Female adult
 Male youth (15-30yrs)
 Female youth (15-30yrs)
 Male child (<15 yrs)
 Female child (<15 yrs)

*** Who usually decides when to eat the Wheat?**

- Male adult
- Female adult
- Male youth (15-30yrs)
- Female youth (15-30yrs)
- Male child (<15 yrs)
- Female child (<15 yrs)

Crop number 1: Wheat

*** What did you do with the crop residues from the Wheat during the last 12 months?**

This includes residues in the field after the main harvest, and after processing crops.

- Leave it in the fields or return to soil
- Burn it in the fields
- Use it as a fuel
- Feed it to animals
- Make compost
- Use as construction materials
- Sell it

*** About how much money did you make from selling crop residues, during the last 12 months?**

dirham

0

* I'm going to ask you about each of these most important crops now. Define crop number 2:

Barley Wheat

» » Crop Details

Crop number 2: Barley

In which season did you plant Barley?

Winter
 Summer

* During the 12 months, was the Barley harvest good or bad?

Good harvest
 Normal harvest
 Bad harvest

* About how much Barley did you harvest during the last 12 months?

0

Crop yield Units:

Kg Abra Tonnes
 Other

Did you grow Barley intercropped with other plants?

- Grow alone
- Intercropped

*** About how much of your land did you use for growing Barley during the last 12 months?**

Even if intercropped, think of whole land area where Barley was planted.

- All or nearly all (90-100%)
- More than half of it (60-90%)
- About half of it (40-60%)
- Less than half of it (10-40%)
- A small amount (1-10%)
- None (0%)

Crop number 2: Barley

*** Specify the crop yield 'other' units:**

» » Crop Use

Crop number 2: Barley

*** What did you do with the main harvest of Barley during the last 12 months? Did you eat it, use at home, sell it?**

You can select multiple answers

- Eat or Use at home
- Sell
- Feed to livestock
- Keep seed
- Give away or exchange
- There was no harvest

Crop number 2: Barley

*** About how much of the was consumed or used by the household during the last 12 months?**

- All or nearly all (90-100%)
- More than half of it (60-90%)
- About half of it (40-60%)
- Less than half of it (10-40%)
- A small amount (1-10%)
- None (0%)

*** About how much of the was sold during the last 12 months?**

- All or nearly all (90-100%)
- More than half of it (60-90%)
- About half of it (40-60%)
- Less than half of it (10-40%)
- A small amount (1-10%)
- None (0%)

*** About how much of the was fed to livestock during the last 12 months?**

- All or nearly all (90-100%)
- More than half of it (60-90%)
- About half of it (40-60%)
- Less than half of it (10-40%)
- A small amount (1-10%)
- None (0%)

*** About how much of the was saved for seed during the last 12 months?**

- All or nearly all (90-100%)
- More than half of it (60-90%)
- About half of it (40-60%)
- Less than half of it (10-40%)
- A small amount (1-10%)
- None (0%)

Crop number 2: Barley

* **How much money did you make from selling during the last 12 months?**

dirham

* **sale price units:**

- Total income for the year Price per kg
 Price per bag (50 kg) Price per tonne
 Other

Crop number 2: Barley

* **Specify the crop sale price 'other' units:**

Crop number 2: Barley

* **Who usually decides what do to with the income from selling the Barley?**

- Male adult
 Female adult
 Male youth (15-30yrs)
 Female youth (15-30yrs)
 Male child (<15 yrs)
 Female child (<15 yrs)

*** Who usually decides when to eat the Barley?**

- Male adult
- Female adult
- Male youth (15-30yrs)
- Female youth (15-30yrs)
- Male child (<15 yrs)
- Female child (<15 yrs)

Crop number 2: Barley

*** What did you do with the crop residues from the Barley during the last 12 months?**

This includes residues in the field after the main harvest, and after processing crops.

- Leave it in the fields or return to soil
- Burn it in the fields
- Use it as a fuel
- Feed it to animals
- Make compost
- Use as construction materials
- Sell it

*** About how much money did you make from selling crop residues, during the last 12 months?**

dirham

0

Did you make any crop products during the last 12 months?

e.g. flour, beer

Yes

No

What products did you make?

Maize flour

Barley flour

Wheat flour

Date syrup

Other

Define 'other' crop products:

LAND MANAGEMENT AND AGRICULTURAL INPUTS

Did you use any crop inputs during the last 12 months? What did you use?

read examples

Fertilisers

Manures

Composts

Pesticides (includes herbicides, fungicides etc)

Improved Seed Varieties

Other

None

Agricultural Inputs

Define "other" agricultural input:

On which crops did you use fertilisers during the last 12 months?

Barley

Wheat

How much fertiliser in total was used during the last 12 months?

Enter "-999" if don't know

Fertiliser amount units:

Kg

Bags (50kg)

Litres

Other

What types of fertiliser does your household normally use?

- Urea
- NPK 16-8-8
- D-compound
- Super phosphate
- Potassium sulphate K₂ SO₄
- Potassium chloride
- NPK 13-13-13
- Liquid fertiliser 20-20-20
- Ammonium nitrate
- None
- Other

Specify other fertiliser amount units:

Specify other fertiliser type:

On which crops did you use manures or compost during the last 12 months?

includes allowing animals to dung in the fields

- Barley
- Wheat

On which crops did you use pesticides during the last 12 months?

Includes herbicides, insecticides, fungicides and similar chemicals

Barley

Wheat

For which crops did you use improved seed varieties during the last 12 months?

Barley

Wheat

How did you store your crops after the harvest during the last 12 months?

In sacks

Sealed bags (hermetic bags)

Hard container (plastic, clay, metal)

Traditional granary

No storage

Other

Define "other":

Which crops did you store during the last 12 months?

Barley

Wheat

Did you add anything to help preserve the crops in the storage?

Yes

No

What did you add to help preserve the crops?

Insecticide / Chemicals

Traditional (e.g. ash, leaves)

Other

Define 'other' substance added during crop storage:

Did you grow any crops under irrigation during the last 12 months?

Including pouring water from a bucket, or pipe, or stream.

Yes

No

Which crops did you irrigate during the last 12 months?

Barley

Wheat

What type of irrigation method did you use?

- Pouring water by hand (using container)
- Basin dug around plant
- Gravity-fed (river diversion)
- Sprinkler
- Drip
- Electric or diesel pump
- Private well
- Collective well
- Drilling
- Other

Define 'other' irrigation method:

Which months did you irrigate?

- Jan
- Feb
- Mar
- Apr
- May
- Jun
- Jul
- Aug
- Sep
- Oct
- Nov
- Dec

What is the cost of irrigation?

(in terms or right of access) dirham

0

Did your household till or plough your land?

During the last 12 months

- Yes
- No

Did you do the tillage by hand? Or use animals, or machines?

During the last 12 months

- By hand
- Use animal power
- Use a machine

Does your household use legumes (peas, beans) to improve your soil fertility?

During the last 12 months

- No, don't grow any.
- No, just grow them as a crop for food or sale
- Yes. Grow legumes mixed with other crops.
- Yes. Grow legumes before/after other crops.

Does your household grow trees and crops mixed together?

(Agroforestry – e.g. palm or olive planted under shade, fruit trees in pasture fields)

- Yes
- No

Does your household practice any methods of soil and water conservation?

- Soil bunds or stone bunds
- Check dams (wooden, stone, gabion)
- Percolation pit
- Micro basin (half-moon/eyebrow)
- Cut off drain
- Water harvesting ponds
- Ridge and furrow drainage practices
- Contour ploughing
- Stone terraces
- Strip planting (grasses, trees)
- Hill side afforestation
- None
- Other

Define 'other' water conservation practice:

Do you still experience problems with lack of water or too dry soils?

- Yes
- No

Do you still experience problems with soil loss and erosion on your land?

- Yes
- No

Do you still experience problems with soil fertility on your land?

Yes

No

Does your household make use of any trees on your land?

Yes

No

Only cut trees to clear land

What does your household use the trees for?

read examples if needed

Food or fruits

Fuel wood

Timber

Animal food

Good for land (soil, water, shelter etc)

Sales

Other

Define 'other' tree use:

What is the annual income from

trees? dirham . Enter "0" if none.

5000

LIVESTOCK

Thank you so much. Now I would like to talk about any livestock you keep.

Does your household own any livestock or animals?

Yes

No

Section: Livestock

Which livestock does your household keep?

Camel

Cattle

Sheep

Goats

Donkey or horse

Chicken

Rabbits

Bees

Other 1

» Section: Livestock

Specify other poultry:

Specify other livestock #1:

Specify other livestock #2:

Specify other livestock #3:

Do you know the exact number of livestock that you have?

Yes

No

How many head of cattle does your household own?

How many head of sheep does your household own?

100

How many head of goats does your household own?

120

How many head of camel does your household own?

How many head of chicken does your household own?

How many head of rabbit does your household own?

How many head of donkeys (or similar) does your household own?

How many bee hives does your household own?

How many head of does your household own?

Approximately how many head of cattle does your household own?

- 1 - 10
- 11 - 30
- 31 - 50
- 51 - 100
- 101 - 200
- 201 - 500
- More than 500

Approximately how many head of sheep does your household own?

- 1 - 10
- 11 - 30
- 31 - 50
- 51 - 100
- 101 - 200
- 201 - 500
- More than 500

Approximately how many head of goats does your household own?

- 1 - 10
- 11 - 30
- 31 - 50
- 51 - 100
- 101 - 200
- 201 - 500
- More than 500

Approximately how many head of camel does your household own?

- 1 - 10
- 11 - 30
- 31 - 50
- 51 - 100
- 101 - 200
- 201 - 500
- More than 500

Approximately how many head of chicken does your household own?

- 1 - 10
- 11 - 30
- 31 - 50
- 51 - 100
- 101 - 200
- 201 - 500
- More than 500

Approximately how many head of rabbit does your household own?

- 1 - 10
- 11 - 30
- 31 - 50
- 51 - 100
- 101 - 200
- 201 - 500
- More than 500

Approximately how many head of donkeys (or similar) does your household own?

- 1 - 10
- 11 - 30
- 31 - 50
- 51 - 100
- 101 - 200
- 201 - 500
- More than 500

Approximately how many bee hives does your household own?

- 1 - 10
- 11 - 30
- 31 - 50
- 51 - 100
- 101 - 200
- 201 - 500
- More than 500

Approximately how many head of does your household own?

- 1 - 10
- 11 - 30
- 31 - 50
- 51 - 100
- 101 - 200
- 201 - 500
- More than 500

Does your household use any grazing land for your animals?

- Yes
- No

Does your household keep any of your Sheep in stables or pens?

even for a small amount of time

- Yes
- No

What are the MOST IMPORTANT livestock your household owns?

Important in terms of bringing food into the home, or making money. Maximum 4 types of livestock allowed.

Sheep

Goats

» Livestock Details Repeat Loop

1

* I'm going to ask you about each of your most important livestock in turn.
Define livestock number 1:

Sheep

* How many **female reproductive adult** Sheep do you have?

50

* How many **male adult** Sheep do you have?

10

* How many Sheep **fattening animals** do you have?

25

* How many **young male** Sheep do you have?

* How many **young female** Sheep do you have?

15

* How many **non-weaned** Sheep do you have?

* Is the ownership of the herd of Sheep individual or collective?

- Individual
- Collective with family members
- Collective with associate

* How many people does the herd of Sheep belong to?

* How many female reproductive adult Sheep do you have?

Approximately

- 1 - 10
- 11 - 30
- 31 - 50
- 51 - 100
- 101 - 200
- 201 - 500
- More than 500

*** How many male adult Sheep do you have?**

Approximately

- 1 - 10
- 11 - 30
- 31 - 50
- 51 - 100
- 101 - 200
- 201 - 500
- More than 500

*** How many Sheep fattening animals do you have?**

Approximately

- 1 - 10
- 11 - 30
- 31 - 50
- 51 - 100
- 101 - 200
- 201 - 500
- More than 500

*** How many young male Sheep do you have?**

Approximately

- 1 - 10
- 11 - 30
- 31 - 50
- 51 - 100
- 101 - 200
- 201 - 500
- More than 500

*** How many young female Sheep do you have?**

Approximately

- 1 - 10
- 11 - 30
- 31 - 50
- 51 - 100
- 101 - 200
- 201 - 500
- More than 500

*** How many non-weaned Sheep do you have?**

Approximately

- 1 - 10
- 11 - 30
- 31 - 50
- 51 - 100
- 101 - 200
- 201 - 500
- More than 500

Livestock number 1: Sheep

How many Sheep does your household use for draught power?

(pulling ploughs, carrying heavy loads)

*** Are they local**

breeds? *Sheep*

- Local breeds
- Cross-bred or exotic breeds
- Both

How many bee hives does your household have at the moment?

Livestock number 1: Sheep

* **How many Sheep did you buy (or receive) in the last 12 months?**

Enter '0' if none

10

* **How much money did you spend on Sheep in the last 12 months?** *dirham*

6000

* **How did you fund the purchase of Sheep?**

- Farm income
- Non farm income
- Loan from the family or tribe
- Loan from the sector (feed supplier, butcher)
- Credit

* **Who usually decides how to fund the purchase of Sheep?**

- Male adult
- Female adult
- Male youth (15-30yrs)
- Female youth (15-30yrs)
- Male child (<15 yrs)
- Female child (<15 yrs)

* **How many live Sheep have you sold in the last 12 months?**

30

Livestock number 1: Sheep

*** How much money did you make from selling live Sheep in the last 12 months?**

dirham

40000

*** What did you do with the money earned from selling Sheep?**

- Buying food
- Buying possessions (clothes, household items, vehicles)
- Improving the farm (livestock, fertilisers, crops, machines)
- Spend on people (education, health care, travel)
- Other

Please specify other spending

Livestock number 1: Sheep

*** Who in the household owns the Sheep?**

You can select multiple answers

- Male adult
- Female adult
- Male youth (15-30yrs)
- Female youth (15-30yrs)
- Male child (<15 yrs)
- Female child (<15 yrs)

* **Who usually decides what do to with the income from selling the live Sheep?**

- Male adult
- Female adult
- Male youth (15-30yrs)
- Female youth (15-30yrs)
- Male child (<15 yrs)
- Female child (<15 yrs)

* **Did any of the Sheep die during the last 12 months? How many?**

Enter '0' if none. This does not include chicks or newborn animals.

5

Livestock number 1: Sheep

* **How many Sheep have you slaughtered for meat in the last 12 months?**

Enter '0' if none

3

Livestock number 1: Sheep

* **What did you do with the meat? Eat it, sell it?**

- Eat / Use at home
- Sell
- Give away or exchange

Livestock number 1: Sheep

*** About how much did you eat?**

- All or nearly all (90-100%)
- More than half of it (60-90%)
- About half of it (40-60%)
- Less than half of it (10-40%)
- A small amount (1-10%)
- None (0%)

*** About how much did you sell?**

- All or nearly all (90-100%)
- More than half of it (60-90%)
- About half of it (40-60%)
- Less than half of it (10-40%)
- A small amount (1-10%)
- None (0%)

*** How much money did you make from selling the Sheep meat in the last 12 months?**

dirham

Livestock number 1: Sheep

*** Who usually decides what do to with the income from selling the meat?**

- Male adult
- Female adult
- Male youth (15-30yrs)
- Female youth (15-30yrs)
- Male child (<15 yrs)
- Female child (<15 yrs)

*** Who usually decides when to eat meat?**

- Male adult
- Female adult
- Male youth (15-30yrs)
- Female youth (15-30yrs)
- Male child (<15 yrs)
- Female child (<15 yrs)

*** What months do your Sheep**

graze? *can select multiple answers*

- Jan
- Feb
- Mar
- Apr
- May
- Jun
- Jul
- Aug
- Sep
- Oct
- Nov
- Dec

*** What type of land do you use for grazing?**

- Jamoua owned
- Habous owned
- Guich owned
- Use crop residues
- Domain lands
- Other (please specify)

*** Other type of grazing land:**

* **What is the maximum distance from the house you travel for grazing?**

50

Unit of distance:

- KM
- Hours

* **Who keeps the Sheep on the pasture land?**

- Male adult
- Female adult
- Male youth (15-30yrs)
- Female youth (15-30yrs)
- Male child (<15 yrs)
- Female child (<15 yrs)

What is this person's link with the head of household?

- Direct link (e.g. son, father)
- Relative (e.g. brother, cousin)
- Shepherd

* **How much is the shepherd paid per month?**

dirham

*** Is there payment in kind?**

- Meal
- Milk
- Heads of animal
- No payment in kind
- Other (please specify)

Other form of payment:

*** Is the herd moved individually or with other herds?**

- Individually
- With other herds

*** How many Sheep are in the collective herd?**

- Less than 100
- 101 - 200
- 201 - 500
- 501 - 1000
- More than 1000

*** What is the state of the pastureland?**

- Good quality
- Intermediary quality
- Bad quality

*** Do you provide supplementary feed during the grazing period?**

Yes

No

*** Which time of the year do you provide supplementary feed?**

Winter

Summer

*** How frequently do you supplement during the grazing period in the winter?**

Daily, or more than 3 times per week

1 to 3 times per week

1 to 3 times per month

Never, or less than once per month

*** How frequently do you supplement during the grazing period in the summer?**

Daily, or more than 3 times per week

1 to 3 times per week

1 to 3 times per month

Never, or less than once per month

*** What type of supplementation do you provide the Sheep?**

- Waste of dates
- Barley grain (with subsidies or no)
- Luzern (in green or hay)
- Maize (mainly green)
- Sugar beet pulp
- Bran
- Straw
- Bread
- Cactus pads
- Wheat flour
- Olive pomace
- Cracked wheat

*** What is the total feed cost during the grazing period? dirham**

5000

Select unit

- Per week
- Per month
- Whole period

*** What percentage is purchased?**

- All or nearly all (90-100%)
- More than half of it (60-90%)
- About half of it (40-60%)
- Less than half of it (10-40%)
- A small amount (1-10%)
- None (0%)

*** How often do you provide tanks of water for Sheep watering in WINTER?**

- Daily, or more than 3 times per week
- 1 to 3 times per week
- 1 to 3 times per month
- Never, or less than once per month

*** How often do you provide tanks of water for Sheep watering in SUMMER?**

- Daily, or more than 3 times per week
- 1 to 3 times per week
- 1 to 3 times per month
- Never, or less than once per month

*** How much do you spend on water in total during each grazing period? *dirham***

1000

*** How do you provide water while grazing?**

- Motopump
- Citerm
- Lake
- Shallows
- Well
- Water network
- Other

Other:

*** What do you give in exchange for the grazing?**

- Money
- Milk
- Food
- Nothing
- Other

Specify other item:

*** How much money do you pay for the total grazing period?**

Including all fees (pastureland access, tent, transportation of animals, watering, other equipment or costs) dirham

* **How much milk do you give?**

Unit:

- Kg
- Litres
- Cups
- Other

Unit:

* **How much food do you give?**

- One meal a day
- Two meals a day
- Three meals a day
- Other

Other food exchange:

* **How much of do you give?**

Please specify quantity AND unit of measurement

*** How much time are the Sheep kept inside a pen or stable?**

If this changes during the year make a guess at the average.

- In at night
- In at night and half of the day
- In all the time
- Never

*** What type of Sheep did you keep in the pen or stable?**

- Reproduction female
- Male adult
- Fattening animals
- Young male
- Young female
- No weaned animals
- Racing animals
- All animals

* **What months of the year did you keep the Sheep in the pen or stable?** *You can select multiple answers*

- Jan
- Feb
- Mar
- Apr
- May
- Jun
- Jul
- Aug
- Sep
- Oct
- Nov
- Dec

* **Do you provide supplementary feed during the period in the pen?** *for Sheep*

- Yes
- No

* **How frequently do you supplement during the period in the pen?** *for Sheep*

- Daily, or more than 3 times per week
- 1 to 3 times per week
- 1 to 3 times per month
- Never, or less than once per month

*** What type of supplementation do you provide the animals when in the pen?**

for Sheep

- Waste of dates
- Barley grain (with subsidies or no)
- Luzern (in green or hay)
- Maize (mainly green)
- Sugar beet pulp
- Bran
- Straw
- Bread
- Cactus pads
- Wheat flour
- Olive pomace
- Cracked wheat

*** What is the total cost of supplementary feed? dirham**

10000

*** Over what time period?**

- Per week
- Per month
- Whole period

* **What percentage is**

purchased? *for Sheep*

- All or nearly all (90-100%)
- More than half of it (60-90%)
- About half of it (40-60%)
- Less than half of it (10-40%)
- A small amount (1-10%)
- None (0%)

* **How often do you provide tanks of water for animals' watering in WINTER in the pen?**

for Sheep

- Daily, or more than 3 times per week
- 1 to 3 times per week
- 1 to 3 times per month
- Never, or less than once per month

* **How often do you provide tanks of water for animals' watering in SUMMER in the pen?**

for Sheep

- Daily, or more than 3 times per week
- 1 to 3 times per week
- 1 to 3 times per month
- Never, or less than once per month

* **How much do you spend on water in total during each period in the pen?** *dirham*

* **How do you provide water to the pen?** *for Sheep*

- Motopump
- Citerm
- Lake
- Shallows
- Well
- Water network
- Other

Other:

Livestock number 1: Sheep

* **Does your household collect milk from the Sheep?**

- Yes
- No

Livestock number 1: Sheep

* **How many Sheep did you milk per day?**

* **About how much milk do the Sheep produce when they are milking well?**

Unit:

- Litres per animal per day Total litres per day
- Other

*** About how much milk do the Sheep produce when they are not milking well?**

(if no difference, put same value as good season)

Livestock number :

Define milk production 'other' units:

Livestock number 1: Sheep

*** What does your household do with the Sheep milk? Drink it at home, sell it, make dairy products?**

- Drink it / consume at home
- Sell it
- Make dairy products
- Give away or exchange

*** What dairy products do you make?**

- Cheese
- Butter
- Yoghurt
- Other

Other dairy product

Livestock number :

*** About how much of the milk does the household consume?**

In the last 12 months

- All or nearly all (90-100%)
- More than half of it (60-90%)
- About half of it (40-60%)
- Less than half of it (10-40%)
- A small amount (1-10%)
- None (0%)

*** About how much milk does your household use for dairy products?**

In the last 12 months

- All or nearly all (90-100%)
- More than half of it (60-90%)
- About half of it (40-60%)
- Less than half of it (10-40%)
- A small amount (1-10%)
- None (0%)

*** About how much milk does your household sell?**

In the last 12 months

- All or nearly all (90-100%)
- More than half of it (60-90%)
- About half of it (40-60%)
- Less than half of it (10-40%)
- A small amount (1-10%)
- None (0%)

*** How frequently is the milk sold?**

In the last 12 months

- Daily, or more than 3 times per week
- 1 to 3 times per week
- 1 to 3 times per month
- Never, or less than once per month

*** Where is the milk sold?**

In the last 12 months

Farm, roadside

Cooperative

Milk shop

Grocery

*** What is the AVERAGE price per litre that you get from selling milk?**

In the last 12 months

*** What is the MAXIMUM price per litre that you get from selling milk?**

In the last 12 months

Livestock number :

*** How much money does your household make from selling the milk?**

per:

Year

Month

Week

Day

Other

*** Specify 'other' time units:**

Livestock number :

*** Who usually decides what do to with the income from selling the milk?**

- Male adult
- Female adult
- Male youth (15-30yrs)
- Female youth (15-30yrs)
- Male child (<15 yrs)
- Female child (<15 yrs)

*** Who usually decides when to eat the milk?**

- Male adult
- Female adult
- Male youth (15-30yrs)
- Female youth (15-30yrs)
- Male child (<15 yrs)
- Female child (<15 yrs)

Livestock number 1: Sheep

*** Does your household collect eggs from the Sheep?**

- Yes
- No

Livestock number :

* **How many eggs do the usually produce, during the good season?**

Unit:

- Eggs per animal per day Eggs per day
 Eggs per week Eggs per month Other

* **How many eggs do the usually produce, during the bad season?**

(if no difference, put same value as good season)

Specify 'other' eggs production units:

Livestock number :

* **What does your household do with the eggs? Do you consume them, use them in the home, sell them?**

Use in the home includes eggs for hatching chicks.

- Eat / Use at home
 Hatch into chicks
 Sell
 Exchange
 Give away

Livestock number :

* **How much money does your household make from selling the eggs?**

per:

(can be changed)

Year

Month

Week

Day

Other

Specify 'other' time units:

Livestock number :

* **Who usually decides what do to with the income from selling the eggs?**

Male adult

Female adult

Male youth (15-30yrs)

Female youth (15-30yrs)

Male child (<15 yrs)

Female child (<15 yrs)

*** Who usually decides when to eat the eggs?**

- Male adult
- Female adult
- Male youth (15-30yrs)
- Female youth (15-30yrs)
- Male child (<15 yrs)
- Female child (<15 yrs)

Livestock number 1: Sheep

*** How much honey did you collect in in the last 12 months?**

In the last 12 months

Unit:

- Kg
- Litres
- Other

*** What did you do with the honey? Eat it, sell it?**

- Eat / Use at home
- Sell
- Give away or exchange

Specify 'other' honey units:

Livestock number :

*** About how much honey was consumed?**

In the last 12 months

- All or nearly all (90-100%)
- More than half of it (60-90%)
- About half of it (40-60%)
- Less than half of it (10-40%)
- A small amount (1-10%)
- None (0%)

*** About how honey much was sold?**

In the last 12 months

- All or nearly all (90-100%)
- More than half of it (60-90%)
- About half of it (40-60%)
- Less than half of it (10-40%)
- A small amount (1-10%)
- None (0%)

Livestock number 1: Sheep

*** How much money was made from selling the honey?**

In the last 12 months

Livestock number 1: Sheep

* Who usually decides what do to with the income from selling the honey?

- Male adult
- Female adult
- Male youth (15-30yrs)
- Female youth (15-30yrs)
- Male child (<15 yrs)
- Female child (<15 yrs)

* Who usually decides when to eat the honey?

- Male adult
- Female adult
- Male youth (15-30yrs)
- Female youth (15-30yrs)
- Male child (<15 yrs)
- Female child (<15 yrs)

* Do you produce any skins, wool or leather from your

Sheep? *During the last 12 months*

- Skin
- Wool
- Leather
- None

* What is the total income from the sale of these items from

Sheep? *During the last 12 months dirham*

500

Did you buy or use any medicines for your livestock?

During the last 12 months

Yes

No

What medicines does your household use?

Vaccinations

De-Worming

Antibiotics

Traditional Medicines

Other

Define 'other' livestock medicine:

Which animals does your household give the medicines to?

Sheep

Goats

What is the total cost of ALL medicines and vaccinations for all your animals? *During the last 12 months*

2500

What does your household do with the manure from the animal's stables or pens?

can select multiple options

- Put directly on soil
- Store in a pile (for more than one month) before use
- Store in an enclosed space (for more than one month) before use
- Use as a fuel
- Sell it
- Dispose of it
- Bio-Digester

Does your household practice racing activities with camels?

- Yes
- No

How many camels do you keep for racing?

How much money did you make from racing over the last 12 months?

dirham

Does your household practice touristic activities with camels?

- Yes
- No

How much money did you make from this in the last 12 months?

dirham

RESOURCES GATHERED FROM THE NATURAL ENVIRONMENT

Now I would like to ask you about other products from the landscape that your household collects. For example, collecting wild fruits and plants, hunting, or firewood

Section: Wildfoods

WILD FOODS

Next I have a few questions about any foods you or your household might gather from the land.

Does your household gather any wild foods?

e.g. Forest fruits, mushrooms, honey, fishing, hunting, gathering plants?

Yes

No

What types of foods did you gather in the last 12 months?

Forest Fruits

Mushrooms

Honey

Hunt animals

Catch Fish

Insects

Plants, leaves, roots

Nuts or seeds

What times of year does your household collect wild foods?

mushrooms plants

- Jan
- Feb
- Mar
- Apr
- May
- Jun
- Jul
- Aug
- Sep
- Oct
- Nov
- Dec

Does your household eat the wild foods, or sell them?

mushrooms plants

- Eat / Use at home
- Sell
- Give away or exchange
- Graze by animals

About how much money did you make from selling wild foods during the last 12 months?

mushrooms plants

Who usually decides what do to with the income from the wild foods?

mushrooms plants

- Male adult
- Female adult
- Male youth (15-30yrs)
- Female youth (15-30yrs)
- Male child (<15 yrs)
- Female child (<15 yrs)

Approximately how much of your household's food comes from wild foods?

mushrooms plants

- All or nearly all (90-100%)
- More than half of it (60-90%)
- About half of it (40-60%)
- Less than half of it (10-40%)
- A small amount (1-10%)
- None (0%)

Section: Food Security Status

FOOD SECURITY

Now I'd like to ask some questions about the food you eat in your household.

» Food Security

Is there a time of year when there is a less food compared to other times?

- Yes
- No

Which months were there food shortages in the last 12 months?

In the last 12 months

Jan

Feb

Mar

Apr

May

Jun

Jul

Aug

Sep

Oct

Nov

Dec

Which is the worst month of the year for food?

Jan

Feb

Mar

Apr

May

Jun

Jul

Aug

Sep

Oct

Nov

Dec

Which is the best month of the year for food?

- Jan
- Feb
- Mar
- Apr
- May
- Jun
- Jul
- Aug
- Sep
- Oct
- Nov
- Dec

» Section: FIES (Food Security Experience)

Think back over the last 12 months. Was there a time when, because of lack of money or other resources...

You were worried you would not have enough to eat?

- Yes
- No

You were unable to eat healthy and nutritious food?

- Yes
- No

You ate only a few kinds of foods?

Yes

No

You had to skip a meal?

Yes

No

You ate less than you thought you should?

Yes

No

Your household ran out of food?

Yes

No

You were hungry but did not eat?

Yes

No

You went without eating for a whole day?

Yes

No

» SECTION: Nutritional Diversity

I'm going to ask you some questions about how often your family ate different kinds of foods, during the WORST MONTH, AND during the BEST MONTH.

I'm going to ask you some questions about how often your family ate different kinds of foods, DURING THE LAST MONTH

Think of: food made from grains, flour, or starchy white vegetables.

e.g. cereals, sorghum, millet, maize, rice, pasta, wheat bread, potatoe, all tubercules

Did you personally eat any of these foods in the last 24 hours?

Yes

No

How often were these eaten in your household during the best month in the last 12 months?

Nov

Daily, or more than 3 times per week

1 to 3 times per week

1 to 3 times per month

Never, or less than once per month

How often were these eaten in your household during the worst month in the last 12 months?

Daily, or more than 3 times per week

1 to 3 times per week

1 to 3 times per month

Never, or less than once per month

How often were these eaten in your household during the last month?

- Daily, or more than 3 times per week
- 1 to 3 times per week
- 1 to 3 times per month
- Never, or less than once per month

Where did this food come from...

During the best month?

Nov

- Produced on farm
- Bought
- Gift, gathered, or exchanged
- Not eaten

During the worst month?

- Produced on farm
- Bought
- Gift, gathered, or exchanged
- Not eaten

During the last month?

- Produced on farm
- Bought
- Gift, gathered, or exchanged
- Not eaten

Think of: beans, peas, lentils.

e.g. Field beans, Solwezi beans, cow pea.

Did you personally eat any of these foods in the last 24 hours?

Yes

No

How often were these eaten in your household during the best month in the last 12 months?

Nov

Daily, or more than 3 times per week

1 to 3 times per week

1 to 3 times per month

Never, or less than once per month

How often were these eaten in your household during the worst month in the last 12 months?

Daily, or more than 3 times per week

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- Gift, gathered, or exchanged
- Not eaten

During the last month?

- Produced on farm
- Bought
- Gift, gathered, or exchanged
- Not eaten

Think of: nuts or seeds.

e.g. almond, date, olive, nuts

Did you personally eat any of these foods in the last 24 hours?

- Yes
- No

How often were these eaten in your household during the best month in the last 12 months?

Nov

- Daily, or more than 3 times per week
- 1 to 3 times per week
- 1 to 3 times per month
- Never, or less than once per month

How often were these eaten in your household during the worst month in the last 12 months?

- Daily, or more than 3 times per week
- 1 to 3 times per week
- 1 to 3 times per month
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- Gift, gathered, or exchanged
- Not eaten

During the last month?

- Produced on farm
- Bought
- Gift, gathered, or exchanged
- Not eaten

Think of: leafy green vegetables.

e.g. Rape, Kale, Cabbage, Spinach, Greens.

Did you personally eat any of these foods in the last 24 hours?

- Yes
- No

How often were these eaten in your household during the best month in the last 12 months?

Nov

- Daily, or more than 3 times per week
- 1 to 3 times per week
- 1 to 3 times per month
- Never, or less than once per month

How often were these eaten in your household during the worst month in the last 12 months?

- Daily, or more than 3 times per week
- 1 to 3 times per week
- 1 to 3 times per month
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- Not eaten

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- Bought
- Gift, gathered, or exchanged
- Not eaten

Think of: orange coloured vegetables or fruits.

e.g Orange, cactus fruit, melon, carrot, pumpkin

Did you personally eat any of these foods in the last 24 hours?

- Yes
- No

How often were these eaten in your household during the best month in the last 12 months?

Nov

- Daily, or more than 3 times per week
- 1 to 3 times per week
- 1 to 3 times per month
- Never, or less than once per month

How often were these eaten in your household during the worst month in the last 12 months?

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- Not eaten

During the last month?

- Produced on farm
- Bought
- Gift, gathered, or exchanged
- Not eaten

Think of: other vegetables.

e.g. Eggplant, mushrooms, onion, tomato, cucumber.

Did you personally eat any of these foods in the last 24 hours?

- Yes
- No

How often were these eaten in your household during the best month in the last 12 months?

Nov

- Daily, or more than 3 times per week
- 1 to 3 times per week
- 1 to 3 times per month
- Never, or less than once per month

How often were these eaten in your household during the worst month in the last 12 months?

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- Not eaten

During the last month?

- Produced on farm
- Bought
- Gift, gathered, or exchanged
- Not eaten

Think of: other fruits.

e.g. banana, lemon, jujubier, apple, pear, prune, kiwi, avocado, ananas, etc...

Did you personally eat any of these foods in the last 24 hours?

- Yes
- No

How often were these eaten in your household during the best month in the last 12 months?

Nov

- Daily, or more than 3 times per week
- 1 to 3 times per week
- 1 to 3 times per month
- Never, or less than once per month

How often were these eaten in your household during the worst month in the last 12 months?

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- Gift, gathered, or exchanged
- Not eaten

During the last month?

- Produced on farm
- Bought
- Gift, gathered, or exchanged
- Not eaten

Think of: meat, poultry or fish.

e.g. Chicken, guinea fowl, goat, fish, kalukuluku, kapenta, lusipa, beef, mice, grasshopper, caterpillar.

Did you personally eat any of these foods in the last 24 hours?

- Yes
- No

How often were these eaten in your household during the best month in the last 12 months?

Nov

- Daily, or more than 3 times per week
- 1 to 3 times per week
- 1 to 3 times per month
- Never, or less than once per month

How often were these eaten in your household during the worst month in the last 12 months?

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- Gift, gathered, or exchanged
- Not eaten

During the last month?

- Produced on farm
- Bought
- Gift, gathered, or exchanged
- Not eaten

Think of: eggs.

e.g. chicken eggs, guinea fowl eggs, duck eggs, kalukuluku eggs, any eggs.

Did you personally eat any of these foods in the last 24 hours?

- Yes
- No

How often were these eaten in your household during the best month in the last 12 months?

Nov

- Daily, or more than 3 times per week
- 1 to 3 times per week
- 1 to 3 times per month
- Never, or less than once per month

How often were these eaten in your household during the worst month in the last 12 months?

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- Bought
- Gift, gathered, or exchanged
- Not eaten

During the last month?

- Produced on farm
- Bought
- Gift, gathered, or exchanged
- Not eaten

Think of milk: or dairy foods.

e.g. cow milk, goat milk, sour milk, yoghurt.

Did you personally eat any of these foods in the last 24 hours?

- Yes
- No

How often were these eaten in your household during the best month in the last 12 months?

Nov

- Daily, or more than 3 times per week
- 1 to 3 times per week
- 1 to 3 times per month
- Never, or less than once per month

How often were these eaten in your household during the worst month in the last 12 months?

- Daily, or more than 3 times per week
- 1 to 3 times per week
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- Not eaten

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- Produced on farm
- Bought
- Gift, gathered, or exchanged
- Not eaten

During the last month?

- Produced on farm
- Bought
- Gift, gathered, or exchanged
- Not eaten

And finally, in the last 24 hours have you personally eaten...

Any foods with oils and fats. Such as...

e.g. Oil; fats or butter added to food or used for cooking, including extracted oils from nuts, fruits and seeds; and all animal fat

- Yes
- No

Any savoury and fried snacks. Such as...

e.g. crisps and chips, fried dough or other fried snacks

Yes

No

Any sweets. Such as...

e.g. sugary foods, such as chocolates, candies, cookies/sweet biscuits and cakes, sweet pastries or ice cream

Yes

No

Any sugar-sweetened beverages. Such as...

e.g. sweetened fruit juices and "juice drinks", so drinks/fizzy drinks, chocolate drinks, malt drinks, yoghurt drinks or sweet tea or coffee with sugar

Yes

No

Any condiments and seasonings. Such as...

e.g. ingredients used in small quantities for flavour, such as chilies, spices, herbs, fish powder, tomato paste, flavour cubes or seeds

Yes

No

Any other packaged foods. Such as...

e.g. other foods wrapped in plastic or foil, like noodles

Yes

No

AID

Next a few questions about any aid or gifts you might receive from the government, NGOs, friends or family.

Have you received aid from the government, NGOs or other organisations in the last 12 months?

(e.g. food, fertilisers, seeds, animals, cash)

Yes

No

Have you received any gifts from family, friends, neighbours in the past year?

(e.g. food, fertilisers, seeds, animals, cash)

Yes

No

Aid Received

What types of aid have the household received during the last 12 months, from government or organisations?

Food

Agricultural Inputs (fertiliser, seeds, crops etc.)

Animals

Subsidized food for animals

Water for animals

Cash

Other

Specify other type of aid:

from government or organisations

About how much of the food eaten by your household was from aid sources?

In the last 12 months

- All or nearly all (90-100%)
- More than half of it (60-90%)
- About half of it (40-60%)
- Less than half of it (10-40%)
- A small amount (1-10%)
- None (0%)

About how much of the feed used by your farm was from subsidies?

In the last 12 months

- All or nearly all (90-100%)
- More than half of it (60-90%)
- About half of it (40-60%)
- Less than half of it (10-40%)
- A small amount (1-10%)
- None (0%)

Gifts

What types of gifts have the household received during the last 12 months, from family, friends, neighbours?

- Food
- Agricultural Inputs (fertiliser, seeds, crops etc.)
- Animals
- Subsidized food for animals
- Water for animals
- Cash
- Other

Specify other type of gift:

About how much of the food eaten by your household was from gifts, from family, friends, neighbours?

In the last 12 months

- All or nearly all (90-100%)
- More than half of it (60-90%)
- About half of it (40-60%)
- Less than half of it (10-40%)
- A small amount (1-10%)
- None (0%)

What types of gifts have the household given?

In the last 12 months

- Food
- Animals
- Inputs
- Cash
- None
- Other (please specify)

Specify other type of gift:

For which occasion do you give gift?

- Zaka
- Difficulty of the person
- Celebrations or ceremonies (marriage, Birth, religion)
- Other

Does your household have any credit, debts or loans, or did you have any in the last 12 months?

Could be formal with organisations or could be informal with individuals.

- Yes
- No

Did you ever find it difficult to pay the debts in the last 12 months?

- Yes
- No

Did your household give any loans in the last 12 months?

Yes

No

Did you ever have difficulties to be reimbursed?

Yes

No

OFF-FARM INCOME

Now some questions about other sources of cash income you might have.

Does your household have any sources of income apart from selling what you produce on the farm?

Yes

No

Section: Off-farm income

What are those sources of off-farm income?

- Labour on other farms
- Labour, out of the agricultural activities
- Work in local business
- Have own business
- Remittances (send money)
- Work for government or public institution
- Rent out land to others
- Rent out equipment or animals to others
- Other

Specify other off farm income:

» Off Farm Income Details Repeat Loop

1

* I'm going to ask you about each of your off farm income sources in turn.
Define off farm income number 1:

(select one)

- Labour on other farms

Off farm income number 1: Labour on other farms

*** Does your household earn money from Labour on other farms ALL YEAR LONG?**

Yes

No

Off farm income number 1: Labour on other farms

*** Which months does your household earn money from Labour on other farms?**

Jan

Feb

Mar

Apr

May

Jun

Jul

Aug

Sep

Oct

Nov

Dec

Off farm income number 1: Labour on other farms

*** Who decides how to spend the money from Labour on other farms?**

- Male adult
- Female adult
- Male youth (15-30yrs)
- Female youth (15-30yrs)
- Male child (<15 yrs)
- Female child (<15 yrs)

Consider all the money earned in the last 12 months from selling farm produce, and from the cash activities we just discussed. Did more money come from sales of farm produce, or more from the off farm cash activities?

Consider all off farm incomes against all incomes from farm produce

- Almost All from farm
- Most from farm
- Half from off-farm
- Most from off-farm
- All or almost all from off-farm

When spending the money that is earned FROM OFF-FARM sources, what sorts of things does your household spend it on?

- Buying food
- Buying possessions (clothes, household items, vehicles)
- Improving the farm (livestock, fertilisers, crops, machines)
- Spend on people (education, health care, travel)
- Other

Please specify other spending

When spending the money that is earned FROM SALES OF FARM PRODUCE, what sorts of things does your household spend it on?

- Buying food
- Buying possessions (clothes, household items, vehicles)
- Improving the farm (livestock, fertilisers, crops, machines)
- Spend on people (education, health care, travel)
- Other

Please specify other spending

FINAL HOUSEHOLD QUESTIONS

These are the last questions now. I just need to check these final things.

SECTION PROGRESS OUT OF POVERTY

How many members does the household have?

- Eight or more
- Seven
- Six
- Five
- Four
- One, two, or three

How many household members 10-years-old or older do not know how to read and write in any language?

- Four or more
- Two or three
- One
- None

How many household members are currently working?

- None
- One or two
- Three or more

How many rooms does the household occupy?

- One
- Two
- Three
- Four
- Five or more

Does the household have a wash basin?

- No
- Yes

Does the household have a clothes-washing machine?

- No
- Yes

Does the household have an oven for bread (electric or gas), a stand-alone oven (electric or gas), or a stove/oven combo (electric or non- electric)?

- No
- Only bread
- Only stand-alone
- Only bread and stand-alone
- Stove/oven combo (regardless of others)

Does the household have a refrigerator or freezer?

- No
- Yes

Does the household have a black-and-white TV, color TV, and a satellite dish?

- No TV
- Black-and-white TV (regardless of color TV or dish)
- Only color TV
- Color TV with dish (without black-and-white TV)

Does your household have a bicycle, motorcycle, or other motor vehicle used for transport?

- No
- Yes

What vehicle does the household have?

- Bicycle
- Motorcycle
- Motor vehicle
- 4x4 vehicle (for desert)

Approximately how many years old is the car?

Where do you live?

- Tent
- House

Does the household have a mobile phone?

- Basic phone
- Smart phone
- No mobile phone

Section: Closing the Survey

CLOSE

Thank you very much, we are now finished with the questions. Do you have any questions or comments for me?

Try to answer their questions yourself.

Would you allow us to telephone you for a short conversation (5 or 10 minutes only), to follow up on this survey?

Yes

No

Please give phone number:

Enter '0' if none

Household GPS Coordinates

latitude (x.y °)

longitude (x.y °)

altitude (m)

précision (m)

ENUMERATOR: How many people contributed to answering the survey?

ENUMERATOR: In your opinion, how easily did you establish rapport with the respondent?

- Easily
- OK
- Difficult
- Very Difficult

ENUMERATOR: How reliable do you think these answers are? Consider the accuracy and willingness to answer.

Did the respondent always know the exact answers or did they have to guess?

- Very reliable
- Reliable
- Ok
- Occasional doubts
- Regular or serious doubts

What time did you finish the survey?

yyyy-mm-dd

hh:mm

Do you have any notes or comments from the interview?

Survey Complete !