



Survey Module
SDG Indicator 2.4.1

Proportion of Agricultural Area under Productive and Sustainable Agriculture

Revision 11: 18 May 2021

QUESTIONNAIRE

SURVEY INFORMATION

Surveyor first name: [grid] Surname: [grid] Surveyor number: [grid]
Start time of the survey: [grid] hour [grid] minutes Date: [grid]
Holding Identification Number: [grid]

Section I: INTRODUCTION TO THE SURVEY MODULE AND IDENTIFICATION OF THE HOLDING AND HOLDER

TEXT TO READ:

Hello, my name is I work for the We collect data that the Government and other stakeholders use for planning purposes. I am visiting you to collect data on your farm. This is part of a worldwide exercise to measure progress in agriculture organised together with the Food and Agriculture Organization of the United Nations. The information you provide will be treated confidentially. It will only be used for statistical purposes and will be put together with responses from other farmers for use in the formulation of programmes and policies to promote more productive and sustainable agriculture. This interview should take approximately one hour. We appreciate your participation in answering these questions.

If you have any questions regarding this survey, you are welcome to telephone the number indicated on the visiting card of our organization that I leave for you here. I express my gratitude for your participation in this survey in advance.

I.1 Record the following information about the respondent

I.1.1 First name [grid]

I.1.2 Surname [grid]

I.1.3 Sex of the respondent

- 1 Male
2 Female

I.1.4 What is your role on the agricultural holding?

(Fill in the most appropriate)

- 1 Holder (legal and/or economically responsible for the holding) -> Go to I.2
2 Co-holder (legal and/or economically co-responsible for the holding) -> Go to I.2
3 Manager (responsible for the day-to-day decisions on the farming operations) -> Go to I.2
4 Household member working on the holding -> Go to I.1.5
5 Employee -> Go to I.1.5
6 Household member not working on the holding -> End of the interview
7 Other (specify [grid]) -> End of the interview

I.1.5 Are you able to answer questions for the agricultural holding?

- 1 Yes -> Go to I.2
2 No -> End of the interview

I.2 What is the legal status of the holder?

(Fill in one circle only)

- 1 Civil/natural person
2 Group of civil/natural persons
3 Legal person

I.3 What type of holding is this?

(Fill in one circle only)

- 1 Household
2 Non-household

I.4 Address of the holding

I.4.1 Address (street) [grid]

I.4.2 Village, town [grid]

I.4.3 Region [grid]

I.5 Holding's telephone number

I.5.1 Telephone number (cell phone) [grid]

I.5.2 Telephone number (landline) [grid]

I.6 GPS coordinates of the holding

I.6.1 Longitude [grid]

| | Livestock product name | Produced | of measure | Price per unit | Value of Production |
|-------------------------|------------------------|----------|------------|----------------|---------------------|
| <input type="radio"/> 1 | | | | | |
| <input type="radio"/> 2 | | | | | |
| <input type="radio"/> 3 | | | | | |
| <input type="radio"/> 4 | | | | | |
| <input type="radio"/> 5 | | | | | |

A.4 For each species of animal (max. 3) that are raised on this agricultural holding, list the different breeds and the number of animals they represent
 Reference year: Last calendar year
 (Leave it blank if none)

| | Species Name | Breeds/Crossbreed Name | Number of animals |
|-------------------------|--------------|------------------------|-------------------|
| <input type="radio"/> 1 | | | |
| <input type="radio"/> 2 | | | |
| <input type="radio"/> 3 | | | |

A.5 Did the holding carry out other on-farm activities than crops and livestock production? (e.g. aquaculture, agroforestry etc.)

Reference year: Last calendar year

(Fill in one circle only)

- 1 Yes
- 2 No

→ Go to A.7

A.6 What was the total value of production from other on-farm activities of the holding?

Reference year: Last calendar year

(Fill in all that apply)

Name the main 5 on-farm productions (other than crops and livestock) and their total value (e.g. aquaculture, agroforestry etc.)

| | Other on-farm products name | Quantity Produced | Quantity unit of measure | Average or latest Price per unit | Total Value of Production |
|-------------------------|-----------------------------|-------------------|--------------------------|----------------------------------|---------------------------|
| <input type="radio"/> 1 | | | | | |
| <input type="radio"/> 2 | | | | | |
| <input type="radio"/> 3 | | | | | |
| <input type="radio"/> 4 | | | | | |
| <input type="radio"/> 5 | | | | | |

A.7 How often was this holding profitable? (profitable means that the value of production was greater than total costs, fixed and variable)

Reference year: Last 3 calendar years

(Fill in one circle only)

- 1 Unprofitable for all three years
- 2 Profitable in one out of the three years
- 3 Profitable in two out of the three years
- 4 Profitable in three out of the three years

A.8 Did this holding have access to or avail any of the following mechanisms for protection against external shocks?

Reference year: Last calendar year

(Read all options and fill in all that apply)

- This holding had access to or availed credit (i.e. formal and/or informal) for protection against external shocks
- This holding had access to or availed insurance for protection against external shocks
- Neither the holding had access to nor availed any of the above mechanisms for protection against external shocks

Section B: ENVIRONMENTAL DIMENSION OF THE HOLDING

Skip B.1 to B.16, if A.1 = 2

B.1 Have you experienced any of the following soil degradation threats on your holding?

Reference year: Last 3 calendar years

(Read all options and fill in all that apply)

- 1 Soil erosion (loss of topsoil through wind or water erosion)
- 2 Reduction in soil fertility
- 3 Waterlogging, including by floods
- 4 Salinization of irrigated land
- 5 Other (specify _____)
- 6 None of the above

→ Go to B.3

B.2 What is the total area of the holding affected by any of the threats identified above?

Reference year: Last 3 calendar years

Total area affected

| Area |
|------|
| |

| Unit of measure |
|-----------------|
| |

B.3 Did this agricultural holding use water to irrigate crops?

Reference year: Last 3 calendar years

(Fill in one circle only)

- 1 Yes (indicate the area or percentage of the total area of the holding that was irrigated)
- 2 No, I don't need irrigation
- 3 No, I can't afford irrigation
- 4 No, there is no water available

→ Go to B.5

→ Go to B.5

→ Go to B.5

| Area |
|------|
| |

| Unit of measure |
|-----------------|
| |

B.4 Are you observing any reduction in water availability from well or other sources i.e. lake, canal and river?

Reference year: Last 3 calendar years

(Fill in one circle only)

- 1 No, water is always available in sufficient quantity when I need it
- 2 Yes, water level in my well(s) is progressively going down
- 3 Yes, water in river, lake or canal is getting scarce and I can't have reliable supply when I need it
- 4 I do not know

→ Go to B.6

B.5 Are there organizations dealing with water allocation in the area where this holding is located?

Reference year: Last 3 calendar years

(Fill in one circle only)

- 1 Yes, and they are working well
- 2 Yes, but they are not working well (specify why)
- 3 No, there are none
- 4 I don't know

B.6 Did this agricultural holding use any synthetic or mineral fertilizer or animal manure/slurry for crops?

Reference year: Last calendar year

(Fill in one circle only)

- 1 Yes
- 2 No

→ Go to B.10

B.7 Are you aware of the environmental risks associated with the excessive use or misuse of fertilizer?

Reference year: Last calendar year

(Fill in one circle only)

- 1 Yes
- 2 No

B.8 Did this agricultural holding take specific measures to mitigate the environmental risks associated with the use of synthetic and mineral fertilizers?

Reference year: Last calendar year

(Fill in one circle only)

- 1 Yes
- 2 No

→ Go to B.10

B.9 If so, which specific measures did the agricultural holding take or adopt?

Reference year: Last calendar year

(Read all options and fill in all that apply)

- 1 Follow protocols as per extension service or retail outlet directions or local regulations, not exceeding recommended doses
- 2 Use organic source of nutrients (including manure or composting residues) alone, or in combination with synthetic or mineral fertilizers
- 3 Use legumes as a cover crop, or component of a multi/crop or pasture system to reduce fertilizer inputs
- 4 Distribute synthetic or mineral fertilizer application over the growing period
- 5 Consider soil type and climate in deciding fertilizer application doses and frequencies
- 6 Use soil sampling at least every 5 years to perform nutrient budget calculations
- 7 Perform site-specific nutrient management or precision farming
- 8 Use buffer strips along water courses.

B.10 Did this agricultural holding use any pesticides for crop or livestock production?

Reference year: Last calendar year

(Fill in one circle only)

- 1 Yes
- 2 No

→ Go to B.17

B.11 What type of pesticides did this agricultural holding used?

Reference year: Last calendar year

(Fill in one circle only)

- 1 Moderately or slightly hazardous
- 2 Highly, extremely hazardous or illegal pesticides

→ Go to B.17

B.12 Are you aware of the environmental and health risks associated with the use of pesticides?

Reference year: Last calendar year

(Fill in one circle only)

- 1 Yes
- 2 No

B.13 Did this agricultural holding take specific measures to protect people from health-related risks?

Reference year: Last calendar year

(Fill in one circle only)

- 1 Yes
- 2 No

→ Go to B.15

B.14 Which of the following measures did this agricultural holding adopt to protect people from health-related risks?

Reference year: Last calendar year

(Read all options and fill in all that apply)

- 1 Adherence to label directions for pesticide use (including use of protection equipment)
- 2 Maintenance and cleansing of protection equipment after use
- 3 Safe disposal of waste (cartons, bottles and bags)

B.15 Did this agricultural holding adopt specific measures to avoid environment-related risks?

Reference year: Last calendar year

(Fill in one circle only)

- 1 Yes
- 2 No

→ Go to B.17

B.16 Which of the following measures did this agricultural holding adopt in relation to pest control? (plant pest and animal diseases)

Reference year: Last calendar year

(Read all options and fill in all that apply)

- 1 Adherence to label directions for pesticide application
 - 2 Adjustment of planting time
 - 3 Application of crop spacing
 - 4 Application of crop rotation
 - 5 Application of mixed cropping
 - 6 Application of inter-cropping
 - 7 Perform biological pest control
 - 8 Use of biopesticides
 - 9 Adopting pasture rotation to suppress livestock pest population
 - 10 Systematic removal of plant parts attacked by pests
 - 11 Maintenance and cleansing of spray equipment after use
 - 12 Use one pesticide no more than two times or in mixture in a season to avoid pesticide resistance.
-

B.17 In this agricultural holding, are there areas covered by natural or diverse vegetation? including one or a combination of the following:

Reference year: Last calendar year

(Read all options and fill in all that apply)

- 1 Natural pasture or grasslands
- 2 Wildflower strips
- 3 Stone or wood heaps
- 4 Trees or hedgerows
- 5 Natural ponds or wetlands
- 6 None of the above

→ Go to B.19

B.18 What is the total area of the holding covered by any of the natural or diverse vegetation identified above?

(Please cross-check with II.2)

Reference year: Last calendar year

Total area covered

| Area | | | | |
|------|--|--|--|--|
| | | | | |

| Unit of measure | | | | |
|-----------------|--|--|--|--|
| | | | | |

B.19 Are you using medically important antimicrobials as growth promoter for your livestock?

Reference year: Last calendar year

(Fill in one circle only)

- 1 Yes
- 2 No
- 3 I don't know

B.20 What is the percentage of the agricultural area on which crop rotation or crop/pasture rotation involving at least two different crops/pastures of two different plant genus is practiced?

Reference year: Last three calendar years

(Leave it blank if not practiced)

1 Percentage of agricultural area

Percentage Area

| | | | | |
|--|--|--|--|--|
| | | | | |
|--|--|--|--|--|

B.21 Did the holding produce crops and/or livestock that are certified organic or under going the organic certification process during the reference period?

- 1 Yes
- 2 No

→ Go to C.1

B.22 Answer the following questions about the holding's organic certification.

- Report the holding's Organic Registration Number
- Report the name of the certifying body

| |
|--|
| |
| |

Section C: SOCIAL DIMENSION OF THE HOLDING

C.1 Did this agricultural holding hire any worker for carrying out simple and routine tasks?

Reference year: Last calendar year

(Fill in one circle only)

- 1 Yes
- 2 No

→ Go to C.3

C.2 How much did this agricultural holding pay on average in cash and/or in-kind to a worker performing simple and routine tasks per day (of 8 hours)?

Reference year: Last calendar year

(Read all options and fill in all that apply)

- 1 Daily average wage in local currency units
- 2 Daily average wage paid in-kind and converted in local currency units

Daily average wage

| | | | | |
|--|--|--|--|--|
| | | | | |
| | | | | |

(Skip questions C.3 to C.10 if the answer to question I.3 was 2)

C.3 During the last 12 months, was there a time when you (or any other member in the household) were worried that you would not have enough food to eat because of a lack of money or other resources?

Reference year: Last 12 months

(Fill in one circle only)

- 1 Yes
- 2 No
- 3 I don't know
- 4 I don't want to answer

C.4 Still thinking about the last 12 months, was there a time when you (or any other member in the household) were unable to eat healthy and nutritious food because of a lack of money or other resources?

Reference year: Last 12 months

(Fill in one circle only)

- 1 Yes
- 2 No
- 3 I don't know
- 4 I don't want to answer

C.5 Was there a time when you (or any other member in the household) ate only a few kinds of foods because of a lack of money or other resources?

Reference year: Last 12 months

(Fill in one circle only)

- 1 Yes
- 2 No
- 3 I don't know
- 4 I don't want to answer

C.6 Was there a time when you (or any other member in the household) had to skip a meal because there was not enough money or other resources to get food?

Reference year: Last 12 months

(Fill in one circle only)

- 1 Yes
- 2 No
- 3 I don't know
- 4 I don't want to answer

C.7 Still thinking about the last 12 months, was there a time when you (or any other member in the household) ate less than you thought you should because of a lack of money or other resources?

Reference year: Last 12 months

(Fill in one circle only)

- 1 Yes
- 2 No
- 3 I don't know
- 4 I don't want to answer

C.8 Was there a time when your household ran out of food because of a lack of money or other resources?

Reference year: Last 12 months

(Fill in one circle only)

- 1 Yes
- 2 No
- 3 I don't know
- 4 I don't want to answer

C.9 Was there a time when you (or any other member in the household) were hungry but did not eat because there was not enough money or other resources for food?

Reference year: Last 12 months

(Fill in one circle only)

- 1 Yes
- 2 No
- 3 I don't know
- 4 I don't want to answer

C.10 During the last 12 months, was there a time when you (or any other member in the household) went without eating for a whole day because of a lack of money or other resources?

Reference year: Last 12 months

(Fill in one circle only)

- 1 Yes
- 2 No
- 3 I don't know
- 4 I don't want to answer

C.11 Does the holder/holding have a formal document for any of the agricultural land that it holds (alternatively 'possess, use, occupy) issued by the Land Registry/Cadastral Agency?

Reference year: Last calendar year

(Read all options and fill in all that apply)

- 1 Yes
- 2 No
- 3 Don't know
- 4 Refuses to respond

C.12 Is the name of the holder or any other member of the holding is listed as an owner or use right holder on any of the legally recognized documents?

Reference year: Last calendar year

(Fill in one circle only)

- 1 Yes
- 2 No
- 3 Don't know
- 4 Refuses to respond

C.13 Does the holder/holding have the rights to sell any of the parcel of the holding (alternatively 'parcel possessed, used or occupied')?

Reference year: Last calendar year

(Fill in one circle only)

- 1 Yes
- 2 No
- 3 Don't know
- 4 Refuses to respond

C.14 Does the holder/holding have the rights to bequeath any of the parcel of the holding (alternatively 'parcel possessed, used or occupied')?

Reference year: Last calendar year

(Fill in one circle only)

- 1 Yes
- 2 No
- 3 Don't know
- 4 Refuses to respond

END OF THE SURVEY

End time of the survey: hour minutes