

Household interview

**Nutrition, Food Security, Jotropha and Kitchen Garden**

Household Number \_\_\_\_\_

**THIS PORTION OF SURVEY NEEDS TO BE COMPLETED BY THE MOTHER OR PERSON WHO COOKS THE MOST IN THE HOUSEHOLD**

Person Number (respondent) FOR NUTRITION, FOOD SECURITY: \_\_\_\_\_

**A. Nutrition**

Now I would like to ask you about the types of foods eaten in the household over the last seven days, including yesterday.

1. How many days during the last seven days did most people in the household eat each of the following foods, either separately or combined with other food?

IF A FOOD TYPE WAS EATEN AT LEAST ONCE IN LAST 7 DAYS, ASK THIS BEFORE PROCEEDING TO THE NEXT ITEM:

2. In total, how many times yesterday during the day or at night did most people in this household eat:

Question	1. Number of days this was eaten in the last 7 days (max = 7)	2. Number of times this was eaten yesterday (including last night)
a. Any food made from grains (e.g., millet, sorghum, maize, rice, wheat, porridge or other local grains)		
b. Pumpkin, red or yellow yams or squash, carrots, or red sweet potatoes?		
c. Any other food made from roots or tubers (e.g., white potatoes, white yams, manioc, cassava, or other local roots/tubers)?		
d. Any green leafy vegetables?		
e. Mango, papaya?		
f. Any other fruits and vegetables (e.g., bananas, apples/sauce, fresh ("French") green beans, avocados, tomatos)		
g. Poultry or eggs?		
h. Fish or shellfish?		
i. Bushmeat?		
j. Beef, goat meat or pork?		
k. Any food made from legumes (e.g., lentils, beans, soybeans, pulses, or		

peanuts)		
l. Cheese or yogurt?		
m. fresh milk, sour milk		
n. any food made with cooking oil, fat, or butter?		

## B. Food Security

Now we will talk about the last four weeks.

1. In the past four weeks, did you worry that your household would not have enough food?  
0 = No 1 = Yes

IF YES: 2. How often did this happen?

- 1 = Rarely (once or twice in the past four weeks)
- 2 = Sometimes (three to ten times in the past four weeks)
- 3 = Often (more than ten times in the past four weeks)
- 77 = not applicable

3. In the past four weeks, were you or any household member not able to eat the kinds of foods you preferred because of a lack of resources?

- 0 = No
- 1 = Yes

IF YES: 4. How often did this happen?

- 1 = Rarely (once or twice in the past four weeks)
- 2 = Sometimes (three to ten times in the past four weeks)
- 3 = Often (more than ten times in the past four weeks)
- 77 = not applicable

5. In the past four weeks, did you or any household member have to eat a limited variety of foods due to a lack of resources?

- 0 = No
- 1 = Yes

IF YES: 6. How often did this happen?

- 1 = Rarely (once or twice in the past four weeks)
- 2 = Sometimes (three to ten times in the past four weeks)
- 3 = Often (more than ten times in the past four weeks)
- 77 = not applicable

7. In the past four weeks, did you or any household member have to eat some foods that you really did not want to eat because of a lack of resources to obtain other types of food?

- 0 = No
- 1 = Yes

IF YES: 8. How often did this happen?

- 1 = Rarely (once or twice in the past four weeks)
- 2 = Sometimes (three to ten times in the past four weeks)
- 3 = Often (more than ten times in the past four weeks)
- 77 = not applicable

9. In the past four weeks, did you or any household member have to eat a smaller meal than you felt you needed because there was not enough food?

- 0 = No
- 1 = Yes

IF YES: 10. How often did this happen?

- 1 = Rarely (once or twice in the past four weeks)
- 2 = Sometimes (three to ten times in the past four weeks)
- 3 = Often (more than ten times in the past four weeks)
- 77 = not applicable

11. In the past four weeks, did you or any household member have to eat fewer meals in a day because there was not enough food?

- 0 = No
- 1 = Yes

IF YES: 12. How often did this happen?

- 1 = Rarely (once or twice in the past four weeks)
- 2 = Sometimes (three to ten times in the past four weeks)
- 3 = Often (more than ten times in the past four weeks)
- 77 = not applicable

13. In the past four weeks, was there ever no food to eat of any kind in your household because of lack of resources to get food?

- 0 = No
- 1 = Yes

IF YES: 14. How often did this happen?

- 1 = Rarely (once or twice in the past four weeks)
- 2 = Sometimes (three to ten times in the past four weeks)
- 3 = Often (more than ten times in the past four weeks)
- 77 = not applicable

15. In the past four weeks, did you or any household member go to sleep at night hungry because there was not enough food?

- 0 = No
- 1 = Yes

IF YES: 16. How often did this happen?

- 1 = Rarely (once or twice in the past four weeks)
- 2 = Sometimes (three to ten times in the past four weeks)
- 3 = Often (more than ten times in the past four weeks)
- 77 = not applicable

17. In the past four weeks, did you or any household member go a whole day and night without eating anything because there was not enough food?

0 = No

1 = Yes

IF YES: 18. How often did this happen?

1 = Rarely (once or twice in the past four weeks)

2 = Sometimes (three to ten times in the past four weeks)

3 = Often (more than ten times in the past four weeks)

77 = not applicable

### C. Firewood

Person Number (respondent) FOR FIREWOOD SECTION \_\_\_\_\_

I'd like to show you a photograph of a woman carrying a bundle of wood.

People around here gather wood to cook with, and for other purposes.

First I want to ask you about the firewood you gather for cooking.

1. Are the bundles of firewood usually gathered by people in this household about this size, larger, or smaller? [COMPARED TO PHOTO. CHOOSE ONE:]
  - a. about this size
  - b. larger
  - c. smaller
  - d. some larger, some that size, some smaller
  - e. we only gather firewood by the cart-load (*kokoteni*) ==> SKIP to Q4
  - f. we do not gather firewood ==> SKIP to Q6

[At this point, if the TAWIRI person is present, he could ask them to put together a bundle of about that size from firewood on hand, and then he could weigh it. We could use a small sample of weights to get an average weight for the weight of wood (due to tree type, dryness etc) used in this village. He could do his data entry into a separate form with the household ID number on it. He would need forms and a scale.]

2. How many bundles of this size [LIKE IN THE PHOTO] did your household use for cooking in the last seven days?

head-loads: \_\_\_\_\_

(TYPE 88 for "don't know" OR 66 for "refused to answer")

3. Were any cart-loads of firewood gathered for cooking? 00 no 01 yes
4. IF YES: How many in the last seven days? \_\_\_\_\_ cart-loads  
(TYPE 88 for "don't know" OR 66 for "refused to answer")

5. In the past 7 days, how much time did it usually take to go one time to get a headload [or cart-load] of wood, gather it, and come back? [ASK ABOUT HEADLOADS UNLESS THEY ONLY GATHERED WOOD BY THE CARTLOAD. IF ONLY BY CARTLOAD, THIS QUESTION SHOULD BE ABOUT CARTLOADS.] [IF THEY DID NOT COLLECT FIREWOOD IN LAST 7 DAYS, ASK ABOUT THE LAST WEEK IN WHICH THEY DID COLLECT FIREWOOD.]  
                   \_\_\_\_\_ hours and/or \_\_\_\_\_ minutes
6. In the past 12 months, did you gather or cut wood for any other purpose?  
 READ LIST:
- a. To sell for firewood                    00 no 01 yes
  - b. To make charcoal                    00 no 01 yes
  - c. To make burnt bricks                00 no 01 yes
  - d. For brewing beer                    00 no 01 yes
  - e. To build                                00 no 01 yes
  - f. To sell for building poles           00 no 01 yes
  - g. To make boards for furniture or building    00 no 01 yes
7. Do you buy firewood from someone else? 00 no 01 yes
8. IF YES: How many bundles about this size did you buy in the last 7 days?  
                   number of bundles \_\_\_\_\_  
 and how many cartloads in the last 7 days? \_\_\_\_\_
9. Do you use charcoal for cooking? 00 no 01 yes
10. IF YES: How much charcoal did you use in the past 7 days?  
                   Number of 20-kg-cans: \_\_\_\_\_
11. IF YES: How many of these cans of charcoal did you buy? \_\_\_\_\_

#### **D. Jatropha Section**

1. Person Number (respondent) FOR REST OF SURVEY \_\_\_\_\_
2. Have you heard of the plant called jatropha? (PROBE: describe the plants and its uses)  
       01 Yes  
       00 No → SKIP to **Kitchen gardens section**)
3. How did you first learn about Jatropha? (CHOOSE ONE)  
       01 radio  
       02 television  
       03 from family  
       04 from trainer in the village  
       05 from trainer outside the village  
       06 from people in the village  
       07 read about it

99 other

4. Do you have Jatropha used as a border around a garden? 00 no 01 yes
5. Do you have Jatropha as a border around a plot? 00 no 01 yes
6. Do you have Jatropha as a barrier to protect crops from animals? 00 no 01 yes
7. Do you have Jatropha as a barrier to protect livestock from predators? 00 no 01 yes
8. Do you cultivate Jatropha in a field with Jatropha only? 00 no 01 yes
9. Do you cultivate Jatropha in a field with Jatropha intercropped?  
00 no → SKIP to Q.11  
01 yes
10. IF YES: with what other crops? (LIST) \_\_\_\_\_
11. Have you planted Jatropha anywhere else? (LIST) \_\_\_\_\_
12. Did you cultivate (grow and harvest) Jatropha in the past, but do not cultivate it now?  
00 no → SKIP to Q.14  
01 yes
13. IF YES: Why did you stop cultivating Jatropha?  
a. price too low 00 no 01 yes  
b. not enough seeds produced 00 no 01 yes  
c. nowhere to sell / no market 00 no 01 yes  
d. other (SPECIFY) \_\_\_\_\_
14. IF JATROPHA NEVER PLANTED IN PAST (REPLIED “no” TO Q4-12):  
Do you plan to plant Jatropha in the future?  
01 Yes → SKIP to Q.29  
00 No → SKIP to NEXT SECTION
15. IF HAVE JATROPHA: Have you ever harvested Jatropha seeds?  
00 no → SKIP to Q.22  
01 yes
16. How many years have you been cultivating (growing and harvesting) Jatropha?  
a. Less than 1 year 00 no 01 yes  
b. Number of years: \_\_\_\_\_
17. How many kilograms of Jatropha did you harvest in the past 12 months?
18. How many kilograms did you keep for home use? \_\_\_\_\_
19. How many kilograms of Jatropha seeds did you sell in the past 12 months? \_\_\_\_\_

20. What was the price per kilogram at the time (in the last 12 months) when you sold the most seeds? \_\_\_\_\_

21. How much income did you earn from selling Jatropha in the past 12 months?  
(CHECK FOR CONSISTENCY OF INCOME AND SALES PER UNIT)

TSh \_\_\_\_\_

22. When you started growing Jatropha, did you add any new crops in addition to Jatropha?

01 Yes

00 No → SKIP TO Q26

88 Don't know → SKIP to Q26

23. IF YES: What new crops did you start to grow? \_\_\_\_\_

24. IF YES: What crops did you stop growing? \_\_\_\_\_

25. (IF Q24. IS ANSWERED) Why? \_\_\_\_\_

26. How do you store/keep Jatropha after harvest? (LIST 3 MOST IMPORTANT)

a.

b.

c.

27. What problems have you faced in Jatropha farming activities?

LIST UP TO 3 PROBLEMS AND CORRESPONDING SOLUTIONS.

Problem	What solutions have you tried?	Did it solve the problem?
a.	b.	c.
d.	e.	f.
g.	h.	i.

28. What benefits have you received from Jatropha cultivation?

a.

b.

c.

29. How did you learn to cultivate Jatropha? (CHOOSE ONE)

01 I taught myself → SKIP to NEXT SECTION

02 From a trainer who was from an organization outside the village

03 From a trainer from this village who was trained by an organization from outside the village.

04 From a farmer in the village who was growing Jatropha but was not a trainer → SKIP to NEXT SECTION

05 I have not learned yet → SKIP to NEXT SECTION

99 Other

## IF RECEIVED TRAINING:

30. What was the name of the organization? \_\_\_\_\_  
(TYPE ALL NAMES REMEMBERED. TYPE 88 FOR “don’t know”)

31. What year did you attend the training? \_\_\_\_\_  
(TYPE 88 FOR “don’t know”)

32. Did the Jatropha training include how to intercrop with other crops?  
01 Yes  
00 No

**E. Kitchen garden section**

Now I am going to ask you some questions about kitchen gardens.

1. Have you ever received training on how to grow a kitchen garden?  
01 Yes  
00 No → SKIP to Q3
2. IF TRAINED: What year did you attend the kitchen garden training?  
Year: \_\_\_\_\_ (CODE 88 for “don’t know”)
3. Do you currently have a kitchen garden?  
01 Yes  
00 No → SKIP to Q.17
4. How did you learn to cultivate a kitchen garden? (CHOOSE ONE)  
01 I taught myself → SKIP to Q.6  
02 From a trainer who was from an organization from outside the village  
03 From a trainer from this village who was trained by an organization from outside the village  
04 From another person in this village who has a kitchen garden. → SKIP to Q.6  
99 Other

5. IF TRAINED: What was the name of the organization? (TYPE ALL REMEMBERED) \_\_\_\_\_

6. What do you currently grow in your garden?  
(DO NOT READ LIST. PROMPT: “anything else?”)
- a. legumes (lentils, beans, soybeans, pulses, peanuts, etc) 00 no 01 yes
  - b. tomatoes
  - c. maize
  - d. green leafy vegetables (spinach, mchicha, Chinese, salad greens, etc.)
  - e. green peppers
  - f. okra
  - g. onions and garlic



- h. greentomato (ngogwe) and eggplant
- i. pumpkins, red or yellow yams, squash, carrots, sweet potatoes
- j. cabbage
- k. watermelon
- l. roots/tubers (white potatoes, white yams, manioc, cassava, etc.)
- m. others (LIST) \_\_\_\_\_

7. How much of the kitchen garden produce do the people in your household consume? (READ ENTIRE SCALE, CHOOSE ONE).

- 01 All
- 02 More than half
- 03 About half
- 04. Less than half
- 05. None

8. How much of the kitchen garden produce do you sell? (READ ENTIRE SCALE, CHOOSE ONE)

- 01 All produce
- 02 More than half
- 03 About half
- 04 Less than half
- 05 None

9. What happens to the kitchen garden produce that is not consumed by your household or sold? (DO NOT PROMPT, except "anything else?")

- |  |       |        |
|--|-------|--------|
| a. Nothing is left over                            | 00 no | 01 yes |
| b. Given to other people in exchange for something | 00 no | 01 yes |
| c. Given to other people as a gift                 | 00 no | 01 yes |
| d. Given to animals                                | 00 no | 01 yes |
| e. Composted / left in the garden to decompose     | 00 no | 01 yes |
| f. Thrown away                                     | 00 no | 01 yes |
| g. Store it to eat later or for seed               | 00 no | 01 yes |
| h. Other   | 00 no | 01 yes |

10. Have you had any problems with this kitchen garden?

- 00 No ==> SKIP to Q12
- 01 Yes

11. What are the problems you have experienced?

LIST UP TO 3 PROBLEMS. FOR EACH PROBLEM:

What solutions have you tried?

Did it solve the problem? 01 yes 00 no

Problem	What solutions have you tried?	Did it solve the problem?
a.	b.	c. Yes      No
d.	e.	f. Yes      No

g.	h.	i. Yes	No
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12. Have you ever used a solar dryer or other means for drying vegetables?

01 Yes\_\_\_\_\_ 00 No\_\_\_\_\_

13. How did you learn to use a solar dryer to dry vegetables?

01 I taught myself → SKIP TO Q15

02 From a trainer who was from an organization from outside the village

03 From a trainer from this village who was trained by an organization from outside the village

04 From another person in this village who has a kitchen garden. → SKIP TO Q15

14. IF TRAINED: What organization trained you how to use a solar dryer to dry vegetables?

Name of organization: \_\_\_\_\_ [type 88 for “Don’t Know”]

15. Do you currently use a solar dryer to dry vegetables?

01 yes

00 No → SKIP to Q.17

16. IF YES: About how many (KG) of fresh vegetables did you dry in the last 12 months?\_\_\_\_\_

17. What is the name of the best male farmer who cooperates with other people in this village? \_\_\_\_\_

18. Why? [DO NOT PROMPT. MULTIPLE RESPONSES ACCEPTED.]

- a. He/she is very dedicated. 00 no 01 yes
- b. His/her crop yield is high / gets a big harvest.
- c. He/she follows good agricultural practices.
- d. He/she uses modern agricultural methods.
- e. He/she uses sustainable agricultural methods.
- f. He/she has a big farm / many farms.
- g. He/she is wealthy enough to be able to afford needed agricultural inputs (supplies, equipment, casual labourers, etc.)
- h. No one person is better – we are all the same
- i. There is no one
- j. Others

19. What is the name of the best female farmer who cooperates with other people in this village? \_\_\_\_\_

20. Why? [USE SAME LIST AS ABOVE]

END OF INTERVIEW. THANK THE RESPONDENT(S).