**A close up of a sign

Description automatically generated**

**FARMERS VOICE RADIO FOR SHEA PICKERS AND BUTTER PRODUCERS IN NORTHERN GHANA**

**BASELINE QUESTIONNAIRE**

**Name of interviewer:**

**Date of interview:**

**Community name:**

**Interview number[[1]](#footnote-2):**

**Name of respondent:**

|  |
| --- |
| **Verbal Consent** |
| Hello. My name is \_\_\_\_\_\_\_\_\_\_\_\_\_\_ and I am from ­­­­­­­­­­­­­­­­­­­­­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. We are conducting an assessment to better understand the knowledge, attitudes and practices of people involved in shea in Northern Ghana. The results of this study will help in designing radio programmes to improve access to vital information and knowledge for shea nut pickers and butter producers. This interview will take about 45 minutes. You will be asked a few questions about yourself and family members, and then about your involvement with shea, the challenges you experience and your interests and needs.  Your answers will be grouped with the answers of other people like you and we will not make any reference to your name. This study may include taking photographs or video tapes during the interview process for use in our reports and/or project website. If you do not wish to be photographed or videotaped, please tell me and we will not take any. There are no known risks associated with participating in this research project. You are free to participate only if you wish. |

Have you explained (i) the purpose of the interview (ii) confidentiality and anonymity (iii) that participation is completely voluntary? Yes / No

Have the interviewees given their consent? Yes / No

1. **Socio-demographics**

|  |  |  |
| --- | --- | --- |
| 1. Are you the Head of Household? | 1=Yes | 2=No |
| 1. Sex of respondent | 1=Male | 2=Female |
| 1. Age of respondent | Age: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Don’t know |
| 1. Marital Status of respondent | 1= Single/never married | 3= Living with partner/married |
| 2= Divorced/ separated | 4= Widowed |
| 1. Highest level of formal education of respondent | 1= No formal education | 3= Secondary education |
| 2= Primary education | 4= College and above |
| 1. Can you or anyone else in your household read and write? | 1= Yes, self | 2= Yes, another HH member (who?) |
| 3= No |
| 1. Which languages are spoken in your household? | Main language: | Others: |

1. What were your household’s 3 main sources of income in the last year?



Sources: 1=Crop sales, 2=Livestock sales, 3=Firewood /charcoal sales, 4=Shea kernels, 5=Shea butter, 6=Petty trade/other small business, 7=Casual labour (on-farm), 8=Casual labour (off-farm) 9=Income transfers (cash for work etc.), 10=Salaried farm job, 11=Salaried non-farm job, 12=Beer-brewing, 13=Brick-making, 14=Loans, 15=Remittances, 16=Pensions, 17=Land rentals, 18=other (specify)

1. **Shea nut picking**
2. Do you pick shea nuts? 1= Yes / 2= No
3. Where do you pick (circle all that apply)?

1= Own land

2= Other privately-owned land (please specify whose)

3= Bush land

4= Community land

5= Other (please specify \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ )

1. Do you wear any of the following protective clothing whilst picking (circle all that apply)?

1= Boots

2= Hat

3= Raincoat

4= Gloves

5= Other (please specify \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ )

1. If you do not wear any of the above, please state why not (circle all that apply)

1= Cannot afford

2= Not available to buy where I live

3= Not comfortable

4= Other (please specify \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ )

1. Which of the following difficulties have you experienced while picking shea nuts over the last three years?

|  |  |
| --- | --- |
| **Challenge** | **Experienced in last 3 years? \*** |
| a. Competition with other pickers |  |
| b. Accessing the trees due to land ownership |  |
| c. Accessing the trees due to distance |  |
| d. Trees being cut down or burned |  |
| e. Diseased/infested/very old trees |  |
| f. Snake bites |  |
| g. Falls from trees |  |
| h. Illness due to extreme weather (sun/rain) |  |
| i. Other injuries (please specify) |  |
| j. Other (please specify) |  |

\* Possible answers: 1=No / 2=Yes, just once / 3=Yes, more than once / 4= Always

1. Of the above list, which in your opinion are the three worst problems, in order of severity:

2. a) Are there any new trees growing in the area? 1= Yes / 2= No

b) If you answered yes, are these 1= seeded naturally?

2= planted/transplanted by hand? (by whom? \_\_\_\_\_\_\_\_\_\_\_\_\_\_ )

3= a mixture of the two?

1. a) If you see young shea trees do you do anything to protect or encourage them?

1= Yes, wherever they occur

2= Yes, but only if they are on my own land

3= No

b) If you answered 1 or 2, please describe what you do[[2]](#footnote-3)

1. a) Do you use any chemical fertilisers or pesticides around the shea trees?

1= Yes

2= No

b) If you answered yes, do you take any measures to prevent contamination?

1= Yes (please describe \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ )

2= No

1. Have you or anyone in your household cut down a shea tree in the last 6 months to make charcoal?

1= Yes

2= No

1. **Shea nut processing**
2. a) Please describe how you process the shea nuts following collection (primary processing only, not butter production).

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b) How many days following collection of the nuts is the processing usually completed? \_\_\_\_\_\_\_\_\_\_\_

c) How long do you boil the nuts for? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

d) What is the usual source of firewood or charcoal for boiling the water?

e) What is the usual source of water (circle all that apply)?

1= Pump/standpipe/tap

2= River

3= Harvested rainwater (how? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ )

4= Other (please specify \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ )

f) How/where do you dry the nuts (circle all that apply)?

1= Bare floor

2= Mat/tarpaulin

3= Raised drying table (uncovered)

4= Raised drying table (covered)

5= Other (please specify \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ )

g) What do you do with the pulp and husks removed from the nuts?

h) Do you sort the nuts to remove bad nuts and impurities (e.g. sand, stones, sticks etc.)? 1= Yes, always

2= Yes, sometimes

2= Never

i) How/where do you store the nuts (circle all that apply)?

1= At home

2= In a community warehouse

3= In sacks (made of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ )

4= On the floor

5= Raised off the floor (on what \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ )

6= Other (please specify \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ )

j) How long do you store your nuts? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Do you process nuts into butter? 1= Yes

2= No

*If you answered yes, proceed to Q.20. If you answered no, proceed to Q.24.*

1. Please describe how you process the shea nuts into butter

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Do you use any mechanical equipment during processing (circle all that apply)?

1= None

2= Crusher

3= Grinder/mill

4= Kneader

5= Other (please specify \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ )

1. Do you process butter (circle all that apply)?

1= Individually, using my own nuts

2= Individually, using my own nuts plus those bought from others

3= As a group, but each processing our own nuts

4= As a group, and we combine our nuts and share the butter

1. Have you ever been injured during butter production?

1= Yes (please describe \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ )

2= No

1. **Shea nut usage and marketing**
2. Of the nuts you collect, approximately how much is for home consumption and how much do you sell? \_\_\_ % home consumption

\_\_\_ % sale

1. Of the nuts you sell, approximately how much is sold as kernels and how much as butter?

\_\_\_ % kernels

\_\_\_ % butter

1. Do you use the shea fruits for anything other than processing to nuts and butter?

1= Yes (please describe \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ )

2= No

1. Approximately what quantity of shea nuts did you sell last year as kernels? [[3]](#footnote-4) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Approximately what quantity of shea nuts did you sell last year as butter? 3 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Are you a member of a cooperative/association/processing centre?

1= Yes (please state which one \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ )

2= No

1. Who is/are the main buyer(s) of your nuts/butter?
   1. Nuts:
   2. Butter:
2. Where do you go to sell your nuts and/or butter (circle all that apply)?

1= Nowhere; buyer comes to the house/compound

2= A central point in the village

3= The nearest big town (distance \_\_\_\_\_\_\_\_\_\_\_\_\_\_ km)

4= Other (please specify \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ )

1. When do you sell your nuts and/or butter (please state if different for nuts and butter)?

1= Immediately following picking and processing

2= Later, when I need money

3= Regularly throughout the year

4= Other (please specify \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ )

1. In your experience, how important are the following factors in terms of their impact on the price per kg/bowl you receive for your nuts and/or butter (1= not at all important; 3= very important)

|  |  |  |
| --- | --- | --- |
| **Factor** | **Nuts** | **Butter** |
| a) Quality (including moisture) |  |  |
| b) Amount you have available to sell |  |  |
| c) Time of year you are selling |  |  |
| d) Size of the buyer |  |  |
| e) Whether you know the buyer |  |  |
| f) Location of the buyer |  |  |
| g) How the product is packaged |  |  |
| h) Other (please specify) |  |  |

1. How do you decide when, where and to whom to sell your nuts and/or butter?
2. Do you know what happens to your nuts and/or butter after you have sold it, i.e. do you know who the end buyer is? 1= Yes (please state who \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ) 2= No
3. a) Have you received any assistance from other organisations with shea nut collection, processing or marketing? 1= Yes

2= No

b) If you answered yes, please state what assistance you have received and from whom

1. What would you most like to hear about in a radio programme about shea?
2. **Radio and Phone access and use**
3. Do you or someone in your household own a radio? 1= Yes / 2= No
4. How often do you listen to the radio?

1= More than once a day

2= Once a day

3= Once a week

4= Other (please specify \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ )

1. What radio station do you listen to most?
2. What radio programmes do you listen to on a regular basis?
3. a) Do you or someone in your household own a mobile phone? 1= Yes / 2= No

b) If yes, what kind of phone is it? 1= basic handset

2= internet enabled smartphone

1. What is the phone used for? (circle all that apply) 1= Voice calls

2= SMS

3= WhatsApp

4= Other web-based apps

5= Radio

6= Camera/video

7= Other (please specify)

1. a) Have you ever sent an SMS or made a phone call to a radio station in response to a programme you have heard on the radio? 1= Yes / 2= No

b) If yes, please give details:

1. **Male involvement**
2. Have men in your household or community been involved in the following activities in the last 6 months:

|  |  |
| --- | --- |
| **Involvement of men in this activity** | **Involvement in the last 6 months** |
| a) Shea nut picking |  |
| b) Planting shea trees |  |
| c) Protecting shea trees |  |
| d) Primary processing of shea nuts |  |
| e) Processing shea nuts into butter |  |
| f) Selling shea nuts or butter |  |
| g) Negotiating price for shea nuts or butter |  |
| h) Sending an SMS or making a phone call to a radio station |  |
| Other (please specify) |  |

\* Possible answers: 1=No / 2=Yes, just once / 3=Yes, more than once / 4= Always

1. a) Has the involvement of men been positive or negative in your opinion?

1= Positive / 2= Negative

b) Please explain why:

1. Either JAW/01, JAW/02 etc. or TAR/01, TAR/02 etc. [↑](#footnote-ref-2)
2. Should include control of weeds, thinning saplings, protection from trampling and bush fires, pruning, control of mistletoe and other diseases [↑](#footnote-ref-3)
3. Please state unit, e.g. bowl, cup etc. and approximate equivalent in grams/kg [↑](#footnote-ref-4)