Crop Post-Harvest Project of Northern Province

Needs Assessment Household Survey

Interviewer: ***Ensure that questionnaire is filled in with women present. Explain that this is important due to the nature of this research, which is related to women's activities. Women alone can be interviewed. Men alone should only be interviewed if they are not married.***

Interviewer .....
Date .....
Questionnaire index #

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1) Region .....
2) Village .....

3) Interviewed person(s) (tick)
- Female(s) ☐
- Female(s) plus male ☐
- Male ☐

4) Age groups of interviewed persons

Female(s)
- below 30 yrs ☐
- 30 - 50 yrs ☐
- 50 yrs and above ☐

Male
- below 30 yrs ☐
- 30 - 50 yrs ☐
- 50 yrs and above ☐

5) Gender of head of household (tick)
(Who is in charge of household, legally
or as a matter of fact, due to absence of husband ?)
- Male ☐
- Female (de facto or de iure) ☐

6) Profession of head of household
- Farmer ☐
- Other .....

7) How many members does your household have ?
(People who stay there permanently, >5days/wk)
(Indicate number)
(Adults: 18 years and above)
- Adult males .....
- Adult females .....
- Children .....
- Total .....

8) How much land do you cultivate ? .....
Unit: (hectare, morgen, acres, sqm)

9) Do you own cattle ? Yes ☐ No ☐

10) Who is in charge of post-harvest activities ?
- Men ☐
- Women ☐
- Both ☐

11) Do you own granaries ? Yes ☐ No ☐

12) If yes, how many granaries do you own ?
(Indicate number and uses)
- Dulu ☐
(Granary on low stone or pole platform)
Uses .....

.....

.....

Nturuka ☐
(Raised pole structure with fire underneath)
Uses .....
.....
.....

Seshego ☐
(Woven basket structure)
Uses .....
.....
.....

Other .....
Uses .....
.....
.....

Other .....
Uses .....
.....
.....

13) How do you cultivate your land ?

Hand hoe / family labour ☐
Animal draft power / own ☐
Tractor / own ☐

Hand hoe / hired labour ☐
Animal draft power / hired ☐
Tractor / hired ☐

14) What crops have you grown in **1998/1999** ?
(Interviewer: don't read answers to farmer, just tick replies as they come !)

Make sure farmer understands that we are talking about last year's crop.

- Maize ☐
- Sorghum ☐
- Other grains (millets, wheat, etc) ☐
- Legumes (njugo beans, cow peas, etc) ☐
- Oilseeds (groundnuts, sunflower, etc) ☐
- Roots and Tubers (sweet potato, etc.) ☐
- Vegetables (pumpkin, tomato, cabbage, etc) ☐
- Fruits (mango, etc) ☐
- Other .....
- Other .....

15) How much **maize** have you harvested in 1999 ?
(Specify measurements !)

(Only if farmer has mixed up varieties and cannot distinguish)

- Traditional varieties .....
- Hybrid varieties .....
- Mixed hybrid and traditional varieties .....

16) How much of **other grains** have you harvested in 1999 ? (Specify measurements !)

(Only if farmer has mixed up varieties and cannot distinguish)

Specify what crops .....

- Traditional varieties .....
- Hybrid varieties .....
- Mixed hybrid and traditional varieties .....

17) What problems have you encountered with your **maize in 1999 after harvest** ?

(Interviewer: don't read answers to farmer, let them give up to 5 answers, in order of importance, mark ranks from 1 - 5)

(1 = most important problem)
(5 = least important problem)

- Not applicable ☐
- Lack of transport from field to farmer's house ☐
- Weevils infested grain ☐
- Rodents ate grain ☐
- Shelling too laborious ☐
- Pounding too laborious ☐
- High moisture content of grain ☐
- Not enough storage space ☐
- Grain became moulded ☐
- Termites damaged grain store ☐
- Lack of transport from farmer's house to town ☐
- Lack of mill ☐
- High milling cost ☐
- Lack of market ☐
- Low market price ☐
- Lack of bags ☐
- Other .....
- Other .....

18) How have you transported your maize from the field to the farmer's house?

- By headload / family labour ☐
- Animal -cart / own ☐
- Bakkie / own ☐
- Tractor - trailor / own ☐

- By headload / hired labour ☐
- Animal - cart / hired ☐
- Bakkie / hired ☐
- Tractor - trailor / hired ☐

- Other .....

				Out of 10 scores
19)	How have you utilised your maize harvest in 1999 ?	Traditional varieties	Food	.....
			Sales	.....
	(Interviewer: ask farmer to score out of 10.		Seed	.....
	Use your fingers or stones as counts !)		Feed	.....
			Other	.....
		Hybrid varieties	Food	.....
			Sales	.....
			Seed	.....
			Feed	.....
			Other	.....
	(Only if farmer has mixed up	Mixed hybrid	Food	.....
	varieties and cannot distinguish)	and traditional	Sales	.....
		varieties	Seed	.....
			Feed	.....
			Other	.....

20) Did you store your maize in 1999 ? Yes ☐ No ☐
(Explain to farmer that at this point we are not interested in seed maize, but **only maize for food** !)

If yes, where did you store your maize ?
- In granary ☐
- In house ☐
- With NTK (deposit) ☐
- Other .....

21) For how many **months** did you store your maize harvested in 1999 ?
- In granary .....
- In house .....
- With NTK (deposit) .....
- Other .....

22) How many **weeks** after harvest did you deposit your maize at NTK in 1999? .....

23) How often do you collect maize meal at NTK ?
(only those who have deposited maize)
- Not applicable ☐
- Every week ☐
- Every two weeks ☐
- Every month ☐
- Less often ☐
- Other .....

24) What materials is your granary constructed from ?
- Not applicable ☐
- Poles ☐
- Mud + poles ☐
- Bricks + poles ☐
- Other .....
- Other .....

25) How high is it raised from the ground ?
- Not raised ☐
- Raised on stones ☐
- Raised on posts, less than 1m ☐
- Raised on posts, more than 1m ☐
- Other .....

26) What is the granary roof made of ?
- Thatched grass ☐
- Corrugated iron / zinc ☐
- Tiles ☐
- No roof ☐
- Other .....

27) Which type of maize did you mostly store in 1999?
- Traditional varieties ☐
- Hybrid varieties ☐
- Mixed varieties ☐

28) If you stored your maize at home (in house or in granary) in 1999, in what form did you store it ?
- On the cob ☐
- Shelled, loose ☐
- Shelled, in bags ☐
- Other .....

29) Did you protect your stored maize against insect damage in 1999? Yes ☐ No ☐

30) If yes, how did you protect it against insects ?
- Organo phosphate (Phostoxin tablets) ☐
- Actellic ☐
- Ash ☐
- Plant materials (Aloe, etc) ☐
- Smoke ☐
- Other .....

31) Did you use any prevention methods against rodent damage in 1999? Yes ☐ No ☐

32) If yes, what methods did you apply ?
- Ratex (chemical) ☐
- Traps ☐
- Cats ☐
- Other .....
- Other .....

33) How did you process your stored maize in 1999?
- By hand (pounding) ☐
- By hand + milling ☐
- Milling ☐
- Other .....

34) How did you store your **seed maize** in 1999?

- Not at all ☐
- In the kitchen ☐
- In granary above fire ☐
- In granary situated over kitchen ☐
- In house (other than kitchen) ☐
- Other .....

35) How did you protect your stored **seed maize** against insect damage in 1999?

- Not at all ☐
- Organo phosphate (Phostoxin tablets) ☐
- Actellic ☐
- Ash ☐
- Plant materials (Aloe, etc) ☐
- Smoke ☐
- Paraffin ☐
- Other .....

36) What problems have you encountered with **other grains** (sorghum, etc) in 1999 after harvest ?

(Interviewer: don't read answers to farmer, let them give up to 5 answers, in order of importance, mark ranks from 1 - 5)

(1 = most important problem)
(5 = least important problem)

- Not applicable ☐
- Lack of transport from field to farmer's house ☐
- Weevils infested grain ☐
- Rodents ate grain ☐
- High moisture content of grain ☐
- Not enough storage space ☐
- Grain became moulded ☐
- Termites damaged grain store ☐
- Lack of transport from farmer's house to town ☐
- Lack of mill ☐
- High milling cost ☐
- Lack of market ☐
- Low market price ☐
- Lack of bags ☐
- Other ☐

37) What are the problems you encountered with **njugo beans, cow peas, and other legumes** in 1999 after harvest ?

(Interviewer: don't read answers to farmer, let them give up to 5 answers, in order of importance, mark ranks from 1 - 5)

(1 = most important problem)
(5 = least important problem)

- Not applicable ☐
- Lack of transport from field to farmer's house ☐
- Insect pests ☐
- Rodents ☐
- Problems with drying ☐
- Mould ☐
- Termites ☐
- Problems with processing ☐
- Lack of transport from farmer's house to town ☐
- Lack of market ☐
- Low market price ☐
- Other .....

38) What are the problems you encountered with **groundnuts and other oilseeds** in 1999 after harvest ?

(Interviewer: don't read answers to farmer, let them give up to 5 answers, in order of importance, mark ranks from 1 - 5)

(1 = most important problem)
(5 = least important problem)

- Not applicable ☐
- Lack of transport from field to farmer's house ☐
- Insect pests ☐
- Rodents ☐
- Problems with drying ☐
- Mould ☐
- Termites ☐
- Problems with processing ☐
- Lack of transport from farmer's house to town ☐
- Lack of market ☐
- Low market price ☐
- Other .....

39) What are the problems you encountered with **sweet potatoes and other roots/tubers** in 1999 after harvest ?

(Interviewer: don't read answers to farmer, let them give up to 5 answers, in order of importance, mark ranks from 1 - 5)

(1 = most important problem)
(5 = least important problem)

- Not applicable ☐
- Lack of transport from field to farmer's house ☐
- Insect pests ☐
- Rodents ☐
- Problems with drying ☐
- Mould ☐
- Termites ☐
- Problems with processing ☐
- Lack of transport from farmer's house to town ☐
- Lack of market ☐
- Low market price ☐
- Other .....

40) What are the problems you encountered with **vegetables (including dried cow pea and pumpkin leaves)** in 1999 after harvest ?

(Interviewer: don't read answers to farmer, let them give up to 5 answers, in order of importance, mark ranks from 1 - 5)

(1 = most important problem)
(5 = least important problem)

- Not applicable ☐
- Lack of transport from field to farmer's house ☐
- Insect pests ☐
- Rodents ☐
- Problems with drying ☐
- Mould ☐
- Termites ☐
- Problems with processing ☐
- Lack of transport from farmer's house to town ☐
- Lack of market ☐
- Low market price ☐
- Other .....

41) What are the problems you encountered with **fruits** in 1999 after harvest ?

(Interviewer: don't read answers to farmer, let them give up to 5 answers, in order of importance, mark ranks from 1 - 5)

(1 = most important problem)
(5 = least important problem)

- Not applicable ☐
- Lack of transport from field to farmer's house ☐
- Insect pests ☐
- Rodents ☐
- Problems with drying ☐
- Mould ☐
- Termites ☐
- Problems with processing ☐
- Lack of transport from farmer's house to town ☐
- Lack of market ☐
- Low market price ☐
- Other .....

42) What are the problems you encountered **with other crops** in 1999 after harvest ?

Specify what crops .....

(Interviewer: don't read answers to farmer, let them give up to 5 answers, in order of importance, mark ranks from 1 - 5)

(1 = most important problem)
(5 = least important problem)

- Not applicable ☐
- Lack of transport from field to farmer's house ☐
- Insect pests ☐
- Rodents ☐
- Problems with drying ☐
- Mould ☐
- Termites ☐
- Problems with processing ☐
- Lack of transport from farmer's house to town ☐
- Lack of market ☐
- Low market price ☐
- Other .....

Discuss solutions to these problems with farmers. Ask them if they have any additional questions and points to raise.

Take note of their recommendations !

Thank the interviewed family for the information provided !

Notes:

Appendix 3 Questionnaire

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