CCAFS Baseline Household Level Questionnaire

# Introduction and consent by main respondent

**Before the beginning of the interview read out the following paragraph and ensure that the respondent understands before asking for consent.**

*“Good morning/afternoon. We are coming from (\_partner organization’s name\_)\_\_ with permission from the local government. We are conducting a survey* ***looking at farming practices and how they change over time****. We would like to ask you some questions that should take no more than one to one and half hours of your time. We would like to share some of this information widely in order that more people understand how food is grown and used in this region and the issues that you face regarding food production and soil, water and land management.*

*Your name will not appear in any data that is made publicly available. The information you provide will be used purely for research purposes; your answers will not affect any benefits or subsidies you may receive now or in the future. Do you consent to be part of this study? You may withdraw from the study at any time and if there are questions that you would prefer not to answer then we respect your right not to answer them.*

|  |  |  |
| --- | --- | --- |
| Has consent been given? *(01=Yes, 00=No)* | [ \_\_ \_\_ ] | CONSENT |

# Section 0 – Data Handlers

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Name 🖎 | Code | Date (d/m/y) | Signature |
| Interviewer |  | [ \_\_ \_\_ ] | \_\_ \_\_ / \_\_ \_\_ / \_\_ \_\_ \_\_ \_\_ |  |
|  |  | FLDCODE | FLDDAY, FLDMTH,FLDYEAR |  |
| Supervisor |  | [ \_\_ \_\_ ] | \_\_ \_\_ / \_\_ \_\_ / \_\_ \_\_ \_\_ \_\_ |  |
|  |  | SUPCODE | SUPDAY,SUPMTH,SUPYEAR |  |
| 1st Data entry clerk |  | [ \_\_ \_\_ ] | \_\_ \_\_ / \_\_ \_\_ / \_\_ \_\_ \_\_ \_\_ |  |
|  |  | DE1CODE | DE1DAY, DE1MTH,DE1YEAR |  |
| 2nd Data entry clerk |  | [ \_\_ \_\_ ] | \_\_ \_\_ / \_\_ \_\_ / \_\_ \_\_ \_\_ \_\_ |  |
|  |  | DE2CODE | DE2DAY, DE2MTH,DE2YEAR |  |
| GPS coordinates (UTM)  ***(to be filled in by site supervisor)*** | | | N: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | GPSN |
| S: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | GPSS |
| E: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | GPSE |
| W: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | GPSW |

# Section I: - Household Respondent and Type

***Ideal respondent: household head and/or spouse. Most of these questions can be completed without having to question the respondent directly. Be sensitive about the way you gather this information.***

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **1. Name of household head**   * 1. First name (more than 1 if needed)   2. Last name | | HEADNAM1  HEADNAM2 | 🖎\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  🖎\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| **2. Name of Main respondent**   * 1. First name (more than 1 if needed)   2. Last name | | RESPNAM1  RESPNAM2 | 🖎\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  🖎\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| **3. Sex of the respondent *(01=Male, 02=Female)*** | | RESPSEX |  | [ \_\_ \_\_ ] |
| **4. What is the relationship of main respondent to household head** | | RESPREL  SPECREL |  | [ \_\_ \_\_ ] |
| *(00=Head, 01=Spouse, 02=Parent, 03=Child, 04=Grandchild,* | *05=Nephew/Niece, 06=Son/daughter-in-law, 07=Brother/sister, 96= Other related (specify) 97=Other unrelated (specify)* | 🖎\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| **5. Household community/ethnicity/caste  *(see code sheet)*** | | HHETHNIC |  | [ \_\_ \_\_ ] |
| **6. Household type**  *01=Male headed, with a wife or wives,*  *02=Male headed, divorced, single or widowed,*  *03=Female headed, divorced, single or widowed,*  *04=Female headed, husband away, husband makes most household/agricultural decisions,*  *05=Female headed, husband away, wife makes most household/agricultural decisions,*  *06=Child headed (age 16 or under)/Orphan*  *96=Other, specify* | | HHTYPE  SPECTYPE |  | [ \_\_ \_\_ ] |
| 🖎\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

# Section II: - Demography

|  |  |  |
| --- | --- | --- |
| 1. How many people, including yourself and other adults, are in your household? | HHSIZE | [ \_\_ \_\_ ] |
| 2. How many people in your household are under the age of 5yrs? | HHLT5 | [ \_\_ \_\_ ] |
| 3. How many people in your household are over the age of 60yrs? | HHGT60 | [ \_\_ \_\_ ] |
| 4. What is the highest level of education obtained by any household member? | HHEDUC | [ \_\_ \_\_ ] |
| *00=No formal education,01=Primary, 02=Secondary, 03=Post Secondary* | | |

# Section III: - Sources of Livelihood Security

**Read the following question as an introduction to the questioning. Once in the table, go row by row.**

1. During the last 12 months, which of the following did you produce **from your own farm,** and how were they used?   
***Note: This only refers to production and use of products from the farm. If, for example, firewood is collected off-farm and used or sold, then it is not included***

|  | | Any produced / harvested on your own farm? | Who does most of the work? | Any consumed in household or used on farm? | Any sold for cash? |
| --- | --- | --- | --- | --- | --- |
|  | | *(01=Yes,  00=No)* | *(01=Man, 02=Woman  03=female child,  04=Male child, 05=Several, 06=Other)* | *(01=Yes,  00=No)* | *(01=Yes, 00=No)* |
| **Product** | | PROD | RESP | CONS | SOLD |
| Food crop (raw) | CRAW | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Food crop (processed – e.g. snack foods) | CPRC | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Other/cash crop (tea, coffee, sisal, cotton, jute, sugar cane, etc.) | COTH | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Fruit | FRUT | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Vegetables | VEGT | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Fodder | FODD | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Large livestock (cattle, buffalo, camels) | LGLV | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Small livestock (sheep, goats, pigs, chickens, donkeys) | SMLV | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Livestock products (milk, eggs, etc.) | LVPD | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Fish | FISH | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Timber | TIMB | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Fuel wood | WOOD | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Charcoal | CHAR | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Honey | HONE | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Manure/compost | COMP | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Other, specify: (SPECPROD)  🖎\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | OTHE | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |

**Read the following question as an introduction to the questioning. Once in the table, go row by row.**

2. During the last 12 months, which of the following **did you harvest or collect from outside your farm,** and how were they used?

***Note: This only refers to use of products from outside the farm.***

|  | | Any harvested or collected from outside your farm? | Who does most of the work? | Any consumed in household or used on farm? | Any sold for cash? |
| --- | --- | --- | --- | --- | --- |
|  | | *(01=Yes,*  *00=No)* | *(01=Man, 02=Woman, 03=Female child, 04=Male child, 05=Several, 06=Other)* | *(01=Yes, 00=No)* | *(01=Yes,  00=No)* |
| **Product** | | PRD2 | RSP2 | CNS2 | SLD2 |
| Food crop | FOCR | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Fruit | FRUT | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Fodder | FODD | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Fish | FISH | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Timber | TIMB | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Fuel wood | WOOD | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Charcoal | CHAR | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Honey | HONE | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Manure/compost | COMP | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Other, specify:  🖎\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | OTHE  (SPECPOUT) | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |

**Read the following question as an introduction to the questioning. Once in the table, go row by row.**

3. During the last 12 months did any cash come to the household through any of the following means?

***Note: If answer to 1 is ‘yes’ then ask 2, otherwise ask 3***

|  | | 1. Any cash income during the last 12 months? **If Yes, go to 2 If No, go to 3** | 2. If Yes, was this a new source which you did not have previously? | 3. If No, did you receive cash from this source at any time in the past? |
| --- | --- | --- | --- | --- |
| **Source of cash** | | CASH  *(01=Yes, 00=No)* | THIS  *(01=Yes, 00=No, -8=N/A)* | LAS*T  (01=Yes, 00=No, -8=N/A)* |
| Employment on someone else’s farm | OTFM | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Other paid employment (e.g. salary) | PAID | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Business (other than farm products) | BSNS | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Remittances or gifts | GIFT | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Payments for environmental services | ENVS | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Other payment from projects/ government including benefits in kind (e.g. pensions, aid, subsidies, etc.) | PRGV | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Loan/credit from a bank or other formal institution (microfinance, projects/programs, registered group) | LNBK | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Loan/credit from an informal source (moneylender, relative, etc.) | LNIF | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Renting out your farm machinery (e.g. tractor, thresher, pump, etc.) or animals for traction | RNTL | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Renting out your own land | RENT | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |

# Section IV: - Crop, Farm Animals/Fish, Tree and SLM Changes

**Read the following question as an introduction to the questioning.**

**1.** I would now like you to tell me what **changes** you have made in the way you have been managing your land, crops and farm animals over the last 10 years.***[If the respondent is obviously too young to have been farming over the last 10 years, ask about what their father did over the last 10 years at this location]***

|  |  |  |
| --- | --- | --- |
| 1. Have you or your family been farming or keeping animals or fish in this locality for 10 years or more? *(01=Yes, 00=No)* | FARM10YR | [ \_\_ \_\_ ] |

| 2. Now I would like to hear about changes you have made in the types of crops you have grown within the last 10 years | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | | | | |  | |  | |
| Have you ... |  | **Write the crop codes (use the code sheet)** | | | | | |
| CRP1 | CRP2 | | CRP3 | | CRP4 |
| Introduced any new crop?(over some time)  *(see crop codes)* | CRIN | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] |
| Are you testing any new crop (still not sure about) *(see crop codes)* | CRTS | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] |
| Stopped growing a crop (totally)  *(see crop codes)* | SGCT | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] |
| Stopped growing a crop (in one season)  *(see crop codes)* | SGC1 | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] |

|  |  |  |
| --- | --- | --- |
| 3. What are your three most important crops? By ‘main crop’ I mean the crops you grow on your farm which are most important to your household’s livelihood. *(see crop codes)* | MNCRPNW1 | [ \_\_ \_\_ ] |
| MNCRPNW2 | [ \_\_ \_\_ ] |
| MNCRPNW3 | [ \_\_ \_\_ ] |
| 4. What were your three most important crops 10 years ago?  *(see crop codes)* | MNCRP101 | [ \_\_ \_\_ ] |
| MNCRP102 | [ \_\_ \_\_ ] |
| MNCRP103 | [ \_\_ \_\_ ] |
| 5. What are your three most important farm animals or fish? By ‘main farm animals’ I mean the animals you keep on your farm which are most important to your household’s livelihood.  *(see farm animal and fish codes)* | MNFRMNW1 | [ \_\_ \_\_ ] |
| MNFRMNW2 | [ \_\_ \_\_ ] |
| MNFRMNW3 | [ \_\_ \_\_ ] |
| 6. What were your three most important farm animals or fish 10 years ago? *(see farm animal and fish codes)* | MNFRM101 | [ \_\_ \_\_ ] |
| MNFRM102 | [ \_\_ \_\_ ] |
| MNFRM103 | [ \_\_ \_\_ ] |

**Read the following question as an introduction to the questioning.**

7a. Tell me more about **what** changes you have made to the crop varieties you have planted over the last 10 years ...

***Ask the respondent to tell a story and take notes on a separate page, fill in the table after the interview, before you leave the household in case follow up is needed.***

| Have you/Are you... | | Crop code CRP1 | Crop code CRP2 | Crop code CRP3 | Crop code CRP4 | Crop code CRP5 |
| --- | --- | --- | --- | --- | --- | --- |
| Introduced new variety of crops | NWVR | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Planting higher yielding variety | PHYV | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Planting better quality variety | PBYV | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Planting pre-treated/improved seed | PPIS | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Planting shorter cycle variety | SHCY | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Planting longer cycle variety | LGCY | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Planting drought tolerant variety | DRTL | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Planting flood tolerant variety | FDTL | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Planting salinity-tolerant variety | SLTL | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Planting toxicity-tolerant variety | TXTL | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Planting disease-resistant variety | DSTL | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Planting pest-resistant variety | PSRS | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Testing a new variety | NVTS | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Stopped using a variety | STVR | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Other, specify (SPECCHCP)  🖎\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | OTHE | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |

7b. Tell me more about **what** changes you have made in the way you manage your land, soil and water and in **how** you have prepared your land over the last 10 years, and which crops these changes affected.

**Make sure you prompt for fruit, vegetables, cash crops, fodder and tree crops**.

***Ask the respondent to tell a story and take notes on a separate page, fill in the table after the interview, before you leave the household in case follow up is needed.***

| Land Use and management | | Crop code CRP1 | Crop code CRP2 | Crop code CRP3 | Crop code CRP4 | Crop code CRP5 |
| --- | --- | --- | --- | --- | --- | --- |
| Expanded area | EXAR | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Reduced area | RDAR | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Started irrigating | STIR | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Stopped irrigating | SPIR | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Stopped burning | SPBR | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Introduced intercropping | INCR | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Introduced crop cover | CRCV | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Introduced micro-catchments | MCCT | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Introduced/built ridges or bunds | BUND | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Introduced mulching | MULC | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Introduced terraces | TERR | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Introduced stone lines | STLN | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Introduced hedges | HEGD | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Introduced contour ploughing | CTPL | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Introduced rotations | ROTA | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Introduced improved irrigation (water efficiency) | INIR | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Introduced improved drainage | INID | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Introduced tidal water control management | INWC | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Introduced mechanized farming | INMF | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Earlier land preparation | ELPP | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Earlier planting | ELPT | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Later planting | LTPT | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Started using or using more mineral/chemical fertilisers | MNFT | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Started using manure/compost | MNCP | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Stopped using manure/compost | MNCP | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Started using or using more pesticides/herbicides | UMPH | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Started using integrated pest management | UMIP | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Started using integrated crop management | UMCM | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Other, specify (SPECLAND) | WHOT | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| 🖎\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |  |  |  |

**Why have you changed your practices?**

7c. ***Why*** you have made these changes and again, to which crops were the changes applied to. ***Ask the respondent to tell a story and take notes on a separate page, fill in the table after the interview, before you leave the household in case follow up is needed.***

|  | | Crop CRP1 | Crop  CRP2 | Crop CRP3 | Crop  CRP4 | Crop CRP5 | Not crop specific (01=Yes, 00 =No) NCSP |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Markets | |  |  |  |  |  |  |
| Better yield | BTYL | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Better price | PRCE | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| New opportunity to sell | OPSL | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Climate |  |  |  |  |  |  |  |
| More erratic rainfall | ERAN | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Less overall rainfall | LRAN | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| More overall rainfall | MRAN | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| More frequent droughts | MDRT | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| More frequent floods | MFLD | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Strong winds | SWND | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Later start of rains | LSOR | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Earlier start of rains | ESOR | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| More cold spells or foggy days | MCSF | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| More frequent cyclones | MFCY | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Higher salinity | HISA | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Higher tides (sea level has risen) | HITI | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| higher temperatures | HITE | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| lower groundwater table | LGWT | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Land |  |  |  |  |  |  |  |
| Land is less productive | LDLP | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Land is more productive | LDMP | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Less land | LLND | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| More land | MLND | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Labour |  |  |  |  |  |  |  |
| Insufficient labour when needed | ISLB | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Sufficient labour | SFLB | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Able to hire labour | HRLB | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Unable to hire labour (too expensive) | EXLB | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Unable to hire labour (not available) | AVLB | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Pests & diseases |  |  |  |  |  |  |  |
| More resistant to pests/diseases | PDRS | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| New pests/diseases have come | NWPD | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Projects etc. |  |  |  |  |  |  |  |
| Government/ project told us to | GVTD | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Government/ project showed us how | GVSW | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Policy changes | PLCY | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Other kinds of changes not listed above, specify (SPECPRAC)  🖎\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | OTPD | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
|  |  |  |  |  |  |  |

7d. Tell me more about **what** changes you have made with respect to farm animal and/or fish keeping over the last 10 years and what animal types these changes apply to.

***Ask the respondent to tell a story and take notes on a separate page, fill in the table after the interview, before you leave the household in case follow up is needed***

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | |  | |  | |  | |
| CHANGES IN Farm Animals/Fish |  | Farm animal and fish codes  *(****see farm animal and fish codes****)* | | | | | | | |
| FRM1 | FRM2 | | FRM3 | | FRM4 | | FRM5 |
| New farm animal or fish types introduced | NANI | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] |
| New farm animals or fish types being tested | NANT | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] |
| Stopped keeping one or more types of farm animals or fish | SKFA | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] |
| New breed introduced | NBRD | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] |
| Reduction in herd size | RDHS | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] |
| Increase in herd size | INHS | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] |
| Change in herd composition | CHHC | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] |
| Stall keeping introduced | STKP | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] |
| Fencing introduced | FENC | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] |
| Cut and carry introduced | CCIN | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] |
| Growing fodder crops | GFDC | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] |
| Improved pastures | IMPS | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] |
| Fodder storage (e.g. hay, silage) | FDST | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] |
| OTHER kinds of changes not listed above  (SPECLIVE)  🖎\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | OTLS | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] |

7e. ***Why*** have you made these changes to your animal keeping and again, to which farm animals were the changes applied to.

***Ask the respondent to tell a story and take notes on a separate page, fill in the table after the interview, before you leave the household in case follow up is needed.***

|  | | Animal code  *(****see farm animal codes****)* | | | | | Not animal specific (01=Yes, 00=No) |
| --- | --- | --- | --- | --- | --- | --- | --- |
| FRM1 | FRM2 | FRM3 | FRM4 | FRM5 | NASP |
| Better price | PRCE | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| New opportunity to sell | OPSL | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| More productive | MOPR | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| More frequent droughts | MDRT | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| More frequent floods | MFLD | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Higher tides | HYTD | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Frequent cyclones | FRCY | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| More salinization | MOSZ | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Insufficient labour | ISLB | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Able to hire labour | HRLB | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| More resistant to diseases | PDRS | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| New diseases are occurring | NWPD | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Government/ project told us to | GVTD | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Government/ project showed us how | GVSW | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Policy changes | PLCY | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |
| Other, specify (SPECCHAN)  🖎\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | OTPD | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] |

# Section V: - Food Security

*I would now like to ask you to describe a* ***typical food year*** *for your household. For each month say whether the food you consume is mainly from your own farm or from other sources. In addition, which months if any you tend to find you do not have enough food to eat for your family.*

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC |
| 1. Source of food | | [ \_\_ ] | [ \_\_ ] | [ \_\_ ] | [ \_\_ ] | [ \_\_ ] | [ \_\_ ] | [ \_\_ ] | [ \_\_ ] | [ \_\_ ] | [ \_\_ ] | [ \_\_ ] | [ \_\_ ] |
|  | FDSC | *Codes for Q1: 1=Mainly from own farm, 2=Mainly from off farm (purchase/aid/other)* | | | | | | | | | | | |
| 2. Shortage / struggle to feed the family | | [ \_\_ ] | [ \_\_ ] | [ \_\_ ] | [ \_\_ ] | [ \_\_ ] | [ \_\_ ] | [ \_\_ ] | [ \_\_ ] | [ \_\_ ] | [ \_\_ ] | [ \_\_ ] | [ \_\_ ] |
|  | HUNG | *Codes for Q2: 1=Shortage, 0=No shortage* | | | | | | | | | | | |

# Section VI: - Land and Water

Water for agriculture

|  |  |  |
| --- | --- | --- |
| 1. Do you have the following on your farm? *(01=Yes, 00=No)* | | |
| Irrigation | WADRIP | [ \_\_ \_\_ ] |
| Tanks/infrastructure for water harvesting | WATANKS | [ \_\_ \_\_ ] |
| Dams or water ponds | WADAMS | [ \_\_ \_\_ ] |
| Boreholes | WABORE | [ \_\_ \_\_ ] |
| Solar water pumps | WASOWP | [ \_\_ \_\_ ] |
| Wind water pumps | WAWIWP | [ \_\_ \_\_ ] |
| Water pumps (other type) | WAWPOT | [ \_\_ \_\_ ] |
| Inlet/water gate | WAINWG | [ \_\_ \_\_ ] |

Land use

For the next questions, I would like you to separate land owned by you or someone in your household, land rented by you or someone in your household and communal land to which you have access.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 2. What is the locally relevant land unit? | | | LANDUNIT | | 🖎\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |
| **3. Supervisor to include here the equivalent of that unit area in hectares** | | | HAEQUIV | | [ \_\_ \_\_ \_\_.\_\_ \_\_ ] | |
| 4. For the past 12 months…: | | | | | | |
|  | | Owned | | Rented In | | Did you use communal land? |
| OWND | | RENT | | COMM *(01=Yes, 00=No)* |
| How much land did your household have access to? | LAND | [ \_\_ \_\_ \_\_ . \_\_ \_\_] | | [ \_\_ \_\_ \_\_ . \_\_ \_\_] | | [ \_\_ \_\_ ] |
| How much is dedicated to food crops? | FOOD | [ \_\_ \_\_ \_\_ . \_\_ \_\_] | | [ \_\_ \_\_ \_\_ . \_\_ \_\_] | | [ \_\_ \_\_ ] |
| How much is dedicated to grazing? | GRZE | [ \_\_ \_\_ \_\_ . \_\_ \_\_] | | [ \_\_ \_\_ \_\_ . \_\_ \_\_] | | [ \_\_ \_\_ ] |
| How much is under tree cover? | TREE | [ \_\_ \_\_ \_\_ . \_\_ \_\_] | | [ \_\_ \_\_ \_\_ . \_\_ \_\_] | | [ \_\_ \_\_ ] |
| How much is under aquaculture? | AQUA | [ \_\_ \_\_ \_\_ . \_\_ \_\_] | | [ \_\_ \_\_ \_\_ . \_\_ \_\_] | | [ \_\_ \_\_ ] |
| What area of your land is degraded or unproductive? | DGRD | [ \_\_ \_\_ \_\_ . \_\_ \_\_] | | [ \_\_ \_\_ \_\_ . \_\_ \_\_] | | [ \_\_ \_\_ ] |

|  |  |  |
| --- | --- | --- |
| 5. How many trees have you planted on your farm over the last 12 months?  *(00=none, 01=less than 10, 02=11 to 50, 03=51 to 100, 04=more than 100)* | TREEPLNT | [ \_\_ \_\_ ] |
| 6. How many trees have you deliberately protected on your farm over the last 12 months?   *(00=none, 01=less than 10, 02=11 to 50, 03=51 to 100, 04=more than 100)* | TREEPROT | [ \_\_ \_\_ ] |
| 7. In the last 12 months did you produce any tree seedlings?   *(01=Yes, 00=No)* | PRODTREE | [ \_\_ \_\_ ] |
|  |  |  |
| 8. In the last 12 months did you purchase any tree seedlings?   *(01=Yes, 00=No)* | BUYTREE | [ \_\_ \_\_ ] |
| 9. Do you sometimes hire in an animal-drawn plough?  *(01=Yes, 00=No)* | HIREANPL | [ \_\_ \_\_ ] |
| 10. Do you sometimes hire in a tractor or other farm machinery?  *(01=Yes, 00=No)* | HIRETRAC | [ \_\_ \_\_ ] |
| 11. Do you sometimes hire in farm labour?  *(01=Yes, 00=No)* | HIREFMLB | [ \_\_ \_\_ ] |

# Section VII: - Input and Credit

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 1. In the last 12 months did you use any purchased, certified/improved seed? *(01=Yes, 00=No)* | | | | CERTSEED | | [ \_\_ \_\_ ] |
| 2. In the last 12 months did you use any purchased, inorganic/mineral fertiliser? *(01=Yes, 00=No) [If no, skip to question 3]* | | | | BUYFERT | | [ \_\_ \_\_ ] |
| 2.1 If yes, please list the type of fertiliser used and crops you applied fertiliser to.  *(01=Urea, 02=NPK, 03=DAP, 04=CAN, 05=Rock Phosphate, 06=Local mixture, 07=Several types)* | | | | | | |
| Type of fertiliser applied | Crop Codes | | | | | |
| (FERTTYPE) | (FERTCRP1) | (FERTCRP2) | (FERTCRP3) | | (FERTCRP4) | |
| [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | |
| [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | |
| [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | |
| [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | |
| [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | | [ \_\_ \_\_ ] | |

|  |  |  |
| --- | --- | --- |
| 3. In the last 12 months did you purchase any pesticides/herbicides?   *(01=Yes, 00=No)* | BUYPEST | [ \_\_ \_\_ ] |
| 4. In the last 12 months did you purchase any veterinary medicines?  *(01=Yes, 00=No)* | BUYVTMD | [ \_\_ \_\_ ] |
| 5. In the last 12 months did you get any credit for agricultural activities? *(01=Yes, 00=No)* | CRDAGACT | [ \_\_ \_\_ ] |
| 6a. In the last 12 months did you purchase any crop or livestock insurance? *(01=Yes, 00=No)* | BUYINS | [ \_\_ \_\_ ] |
| 6b. If yes, was it weather-based insurance? (01=Yes, 00=No) | WBIN | [ \_\_ \_\_ ] |

# Section VIII: - Climate and Weather Information

*1. We know that weather is important to farming and would now like to ask you whether you have received any weather information during the last 12 months and what form this takes.*

|  |  | 1. Did you receive any information? | 2.From whom or how did you receive the information? | 3. Who received the information in the household? | 4. Did it include advice on how to use the information in your farming? | 5. Were you able to use the advice? | 6. What aspects of farming did you change as a result of this information? |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Type of information |  | *(01=Yes, 00=No)* **If No, go to next row.** | *(List up to three* **See code sheet** | *01=Men, 02=Women, 03=Both* | *(01=Yes, 00=No*  **If No, go to next row.** | *(01=Yes, 00=No)* **If No, go to next row** | *(you can choose up to 3)* |
|  |  | RECE | MSN1, MSN2, MSN3 | WHO | INAD | USAD | ASP1, ASP2, ASP3 |
| Forecast of drought, flood, frost, cyclone, tidal surge or other extreme event | RKEX | [ \_\_ \_\_ ] | [ \_\_ \_\_ ]  [ \_\_ \_\_ ]  [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ]  [ \_\_ \_\_ ]  [ \_\_ \_\_ ] |
| Forecast of pest or disease outbreak | RKPD | [ \_\_ \_\_ ] | [ \_\_ \_\_ ]  [ \_\_ \_\_ ]  [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ]  [ \_\_ \_\_ ]  [ \_\_ \_\_ ] |
| Forecast of the start of the rains | FCRN | [ \_\_ \_\_ ] | [ \_\_ \_\_ ]  [ \_\_ \_\_ ]  [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ]  [ \_\_ \_\_ ]  [ \_\_ \_\_ ] |
| Forecast of the weather for the following 2-3 months | FCMN | [ \_\_ \_\_ ] | [ \_\_ \_\_ ]  [ \_\_ \_\_ ]  [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ]  [ \_\_ \_\_ ]  [ \_\_ \_\_ ] |
| Forecast of the weather for today, 24 hours and/or next 2-3 days | FCDY | [ \_\_ \_\_ ] | [ \_\_ \_\_ ]  [ \_\_ \_\_ ]  [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ] | [ \_\_ \_\_ ]  [ \_\_ \_\_ ]  [ \_\_ \_\_ ] |

# Section IX: - Community Groups

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1. Do you, or any other household member, belong to a group or groups doing the following activities? *(answer 01=Yes or 00=No for each activity)* | | | | |
| 1. Tree nursery/tree planting | | | GRPTREE | [ \_\_ \_\_ ] | |
| 1. Fish/shrimp ponds | | | GRPFISH | [ \_\_ \_\_ ] | |
| 1. Fishing | | | GRPFING | [ \_\_ \_\_ ] | |
| 1. Forest product collection | | | GRPFORET | [ \_\_ \_\_ ] | |
| 1. Water catchment management | | | GRPWATER | [ \_\_ \_\_ ] | |
| 1. Soil improvement activities | | | GRPSOIL | [ \_\_ \_\_ ] | |
| 1. Crop introduction/substitution | | | GRPCROP | [ \_\_ \_\_ ] | |
| 1. Irrigation | | | GRPIRRIG | [ \_\_ \_\_ ] | |
| 1. Savings and/or credit | | | GRPCRED | [ \_\_ \_\_ ] | |
| 1. Marketing agricultural products (i.e. livestock, crops, tree or fish) | | | GRPMARK | [ \_\_ \_\_ ] | |
| 1. Productivity enhancement (i.e. livestock, crops, trees or fish) | | | GRPPROD | [ \_\_ \_\_ ] | |
| 1. Seed production | | | GRPSDPRD | [ \_\_ \_\_ ] | |
| 1. Vegetable production | | | GRPVGPRD | [ \_\_ \_\_ ] | |
| 1. Others **not mentioned above** related to soil, land or water management | | | GRPOTHE | [ \_\_ \_\_ ] | |
| *(please specify)* | SPECGRP | 🖎\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | | | |

**Let’s talk about climate related crises specifically.**

|  |  |  |
| --- | --- | --- |
| 2. Have you faced a climate related crisis (eg. Flood, drought, frost, tidal surge) in the last 5 years? *(01=Yes, 00=No)* ***[If No, skip to next section]*** | FLD5YRS | [ \_\_ \_\_ ] |
| 3. When this occurred, did you receive some assistance?   *(01=Yes, 00=No)*  ***[If No, skip to next section ]*** | FLDHELP | [ \_\_ \_\_ ] |

|  |  |  |  |
| --- | --- | --- | --- |
| 4. If Yes, from which of the following did you receive assistance?   *(Answer 01=Yes or 00=No for each of the following)* | | | |
| 1. Friends, relatives, neighbours | | HELPFRDS | [ \_\_ \_\_ ] |
| 1. Government agencies | | HELPGOV | [ \_\_ \_\_ ] |
| 1. Politicians, e.g. MPs | | HELPMPS | [ \_\_ \_\_ ] |
| 1. NGOs/CBOs | | HELPNGO | [ \_\_ \_\_ ] |
| 1. Religious organisations | | HELPCHCH | [ \_\_ \_\_ ] |
| 1. A local community group that you are a member of *(If Yes, please answer question 5)* | | HELPGRP | [ \_\_ \_\_ ] |
| 1. Other | | HELPOTHE | [ \_\_ \_\_ ] |
| *please, specify* | SPECHELP | 🖎\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

|  |  |  |  |
| --- | --- | --- | --- |
| 5. If you received help from a group, which of the following group activities helped with your problem?  *(Answer 01=Yes or 00=No for each of the following activities)* | | | |
| 1. Tree nursery | | HLPTREE | [ \_\_ \_\_ ] |
| 1. Fish ponds | | HLPFISH | [ \_\_ \_\_ ] |
| 1. Fishing | | HLPFING | [ \_\_ \_\_ ] |
| 1. Forest product collection | | HLPFORET | [ \_\_ \_\_ ] |
| 1. Water catchment management | | HLPWATER | [ \_\_ \_\_ ] |
| 1. Soil improvement activities | | HLPSOIL | [ \_\_ \_\_ ] |
| 1. Crop introduction/substitution | | HLPCROP | [ \_\_ \_\_ ] |
| 1. Irrigation | | HLPIRRIG | [ \_\_ \_\_ ] |
| 1. Savings and/or credit | | HLPCRED | [ \_\_ \_\_ ] |
| 1. Marketing agricultural products (i.e. livestock, crops, trees or fish) | | HLPMARK | [ \_\_ \_\_ ] |
| 1. Productivity enhancement (i.e. livestock, crops, trees or fish) | | HLPPROD | [ \_\_ \_\_ ] |
| 1. Seed production | | HLPSDPRD | [ \_\_ \_\_ ] |
| 1. Vegetable production | | HLPVGPRD | [ \_\_ \_\_ ] |
| 1. Others related to soil, land or water management | | HLPOTHE | [ \_\_ \_\_ ] |
| *please specify* | SPECGPHP | 🖎\_\_\_\_\_\_\_\_\_\_\_\_\_ | |

Section X: - Assets

| 1. Which of the following items does your household own at the present time? *(01=Yes, 00=No)* | | |
| --- | --- | --- |
| 1. Radio | ASRADIO | [ \_\_ \_\_ ] |
| 1. Television | ASTV | [ \_\_ \_\_ ] |
| 1. Cell phone | ASCELLPH | [ \_\_ \_\_ ] |
| 1. Bicycle | ASBIKE | [ \_\_ \_\_ ] |
| 1. Motorcycle | ASMTBIKE | [ \_\_ \_\_ ] |
| 1. Car or truck | ASCAR | [ \_\_ \_\_ ] |
| 1. Computer | ASCOMP | [ \_\_ \_\_ ] |
| 1. Solar panel | ASSOLAR | [ \_\_ \_\_ ] |
| 1. Tractor | ASTRACT | [ \_\_ \_\_ ] |
| 1. Mechanical plough | ASMECHPL | [ \_\_ \_\_ ] |
| 1. Mill (e.g. for grinding cereals or oilseeds) | ASMILL | [ \_\_ \_\_ ] |
| 1. Improved stove | ASSTOVE | [ \_\_ \_\_ ] |
| 1. Generator (electric or diesel) | ASMOTOR | [ \_\_ \_\_ ] |
| 1. Battery (large, e.g. car battery for power) | ASBATT | [ \_\_ \_\_ ] |
| 1. Water pump/Treadle pump | ASTRPUMP | [ \_\_ \_\_ ] |
| 1. Biogas digester | ASBGDIGS | [ \_\_ \_\_ ] |
| 1. Refrigerator | ASFRIDGE | [ \_\_ \_\_ ] |
| 1. Air conditioning | ASAIRCON | [ \_\_ \_\_ ] |
| 1. Electrical fan | ASELCFAN | [ \_\_ \_\_ ] |
| 1. Thresher | ASTHRESH | [ \_\_ \_\_ ] |
| 1. LPG | ASLPG | [ \_\_ \_\_ ] |
| 1. Internet access | ASINTNET | [ \_\_ \_\_ ] |
| 1. boat | ASBOAT | [ \_\_ \_\_ ] |
| 1. fishing nets | ASFSHNET | [ \_\_ \_\_ ] |
| 1. bank account | ASBNKACC | [ \_\_ \_\_ ] |
|  | ASSETZ | [ \_\_ \_\_ ] |
|  | ASSETAA | [ \_\_ \_\_ ] |

|  |  |  |
| --- | --- | --- |
| 2. Which of the following structures/utilities does your household have? *(01=Yes, 00=No)* | | |
| 1. Improved storage facility for crops (food or feed) | STSTCRPS | [ \_\_ \_\_ ] |
| 1. Water storage tank (for domestic water, > 500 litres) | STWTANK | [ \_\_ \_\_ ] |
| 1. Well/borehole (for household water) | STWELL | [ \_\_ \_\_ ] |
| 1. Running/tap water in the dwelling | STTAP | [ \_\_ \_\_ ] |
| 1. Electricity from a grid | STELEC | [ \_\_ \_\_ ] |
| 1. Improved housing (e.g. concrete, bricks, etc.) | STIMPHS | [ \_\_ \_\_ ] |
| 1. Improved roofing (e.g. tin, tiles, etc.) | STIMPRF | [ \_\_ \_\_ ] |
| 1. Separate housing for farm animals | STHSANIM | [ \_\_ \_\_ ] |
|  | STRUCTI | [ \_\_ \_\_ ] |
|  | STRUCTJ | [ \_\_ \_\_ ] |

*Is there anything you would like to add to what you have shared with us today in relation to the topic we discussed?*

|  |
| --- |
|  |

*Thank you for taking the time to answer our questions. You have given us very important information that will allow us to better understand farming challenges and food production issues in your area that can be shared with different people that are interested in what investments and changes can help improve livelihoods.*

|  |  |  |
| --- | --- | --- |
| Were answers discussed with other family member? *(to be answered by enumerator at end of survey) (1=Yes, 0=No)* | ANSDISC | [ \_\_ \_\_ ] |

***For enumerator:***

*Please note what, if anything, went differently from the plan in this particular interview (concerns, observations). Please note any points that you want to highlight as important for this interview – include also specific household characteristics that seem worth mentioning.*

*Write up of the story for CROPS*

|  |
| --- |
|  |

*Write up of the story for Livestock*

|  |
| --- |
|  |