## Household identification

|  |  |
| --- | --- |
| A1. Date of Survey (DD/MM/YYYY) : |  / / |
|  A2. Enumerator Name : |  |
|  | Livestock owner | Person responsible at farm |
|  A3. Head of Household Name : | A3.1 | A3.2 |
| A4. Mobile number: | A4.1 | A4.2 |
| A5. Did the household consent to the interview? (1=YES 2= No) | A5.1 [ ] |  A5.2 [ ] |
| A6. If no, why? (code a) |  |
| A7. Does the household own any livestock? (1=Yes, 2=No). If no, discontinue; If yes, go to A11 |  |
| ***If no, request a replacement household from supervisor (and continue with this questionnaire). If yes move to A11.*** |
|  | Livestock owner | Person responsible at farm |
| A8. Time interview started : HH MM:: | A8.1 |  | A8.2 |  |
| A9. Time interview ended: HH MM:: | A9.1 |  | A9.2 |  |
| A10. Common currency\* unit: |  |
|  |
| A11. District Name : |  |
| A12. Village Name : |  |
| A13. Head of Household Name/ : (replacement name if original Head above refused)  |  |
| A14. Name of survey Respondent : | A14.1 Farming time: [ ] 1=full-time 0=part-time |
| **Reason for refusal** | Livestock owner | Person responsible at farm |
| A15. Relationship of survey respondent to Household Head (code b) : |  |
| A16. Household GPS Coordinates:  | A17. Latitude (N/S): |  | A18. Longitude (E/W): |  |
|  |
| **a) No Consent** | **b) Respondent relationship** |
| 1 = Respondent refuses to participate2 = Respondent does not have the time3 = Household head (or other knowledgeable member) is not present at the house4=Other: (specify in cell) | 1 = household head2 = spouse3 = other family member4 = other non-family member |

*\*use common currency unit throughout survey*

## B. Household Roster

* ***Start with the household head, followed by his wife or wives, children (ranked from old to young) and lastly other household members – include only members who live there at least 3 months per year***

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Name | B1. Relationship to HH head (code a) | B2. Gender(1 = Male,2 = Female) | B3. Age (years) | B4. Education | B5. Main activities (code c) mention all | B6. Average annual Income from each activity |
| B4.11Number of years of schooling | B4.2 Level of Education(code b) |
| 1 |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |
| 7 |  |  |  |  |  |  |  |  |
| 8 |  |  |  |  |  |  |  |  |
| **a) RELATIONSHIP TO HEAD** | **b) HIGHEST LEVEL OF EDUCATION**  | **c) MAIN ACTIVITIES** |
| 1 = Head2 = Spouse 3 = Child 4 = Sibling (sister or brother)5 = Parent6 = Grandchild7 = Other relative8 = Non-relative (including employees who live in house)9 = Other (specify) | 0=No formal and illiterate1=No formal but literate2= Primary school3= High / secondary school4= College5= University6= Child below school age (6 years)7= Other (specify) | 1 = Crop farming 2 = Livestock farming3 = Poultry keeping (incl. sales)4 = Trading in livestock and livestock products (not own)5 = Trading in agricultural products (excluding livestock!) (not own produce)6 = Formal Salaried employee (e.g. civil servant, domestic work) 7 = Business – trade / services (non-agric.)8 = Not working / unemployed9 = Old/Retired/pension10 = Infant (<6 years)11 = Student/ pupil1. = Disabled
2. Remittances 14= dividends

15= Other (specify) |

## Assets

## Land- in Hectare

C1. Do you have access to (0= NO; 1=YES): C1.1 Livestock grazing land? [ ] C1.2. Cropping land? [ ]

C2. If you have access to cropping land, what is the size of the land? [ ] hectares

C3. What type of grazing system is your livestock operation based on? [ ] (0= COMMUNAL ; 1=PRIVATE)

C4. If you operate on communal land, what is the approximate area of the communal land that your livestock graze? [ ] hectares

C5. If you operate on private land, what is the area of the land that your livestock graze? [ ] hectares

C6. How long is access secure for livestock grazing? [ ] Years

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| C7. Parcel\* ID | C8. Primary USE of the land parcel : (code a) | C9. Tenure system(Code b) | C10. Size of this parcel in hectare | C11. How much did you spent on land improvement including use of fertilizers? (last 2 yrs.) | C12. If parcel **is *owned,*** who owns (Code c**)** | C13. If parcel is rented/leased in/out for cash, what amount is received over month? |
| C13.1 Type of rent (Code d) | C13.2 total amount paid/received |
| 1 |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |
| 1. **Land parcel USE:**
 | 1. **TENURE SYSTEM**
 | **c) If owned, name on title/certificate:** | 1. **Type of rent**
 |
| 1=crop activity2=livestock farming 3=Mixed activities | 1= Title deed2=Owned but not titled 3= public land 4= Rented-in/ sharecropped5= Other (specify) | 1= household head 2= spouse3= other male 4=other female5=joint (household head & spouse)6=other specify | 1= rented/leased in2= rented/leased out |

\**parcel is one contiguous plot of land. One parcel can contain more than one plot.*

## Household and agricultural equipment

| D1. Name of Asset | D2. Total Number owned | Relative / average age  | D12. Number of items that were given to the household (for free)- 0 if none | D13. No. of items that were sold (last 12 months) | D14. No. of items that were purchased(last 12 months) | D15. Current value: if asset is sold today, how much will receive? |
| --- | --- | --- | --- | --- | --- | --- |
| Number Owned  | Number Rented | Number owned outright/shared |
| D3. < 3 yrs | D4. 3-7 yrs | D5.> 7 yrs | D6.< 3 yrs | D7.3-7 yrs | D8.> 7 yrs | D9.< 3 yrs | D10.3-7 yrs | D11.> 7 yrs |
| **Domestic** |  |  |  |  |  |
| 1.Television |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2.Mobile phone |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 3.Solar system |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4.Water tanks |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 5.Refridgerator |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Transport** |  |  |  |  |  |
| 6.Car/Truck |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7.Motorcycle |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 8.Bicycle |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9.Cart (animal drawn) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Farm** |  |  |  |  |  |
| 10.Hoes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 11.Spades/shovel |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12.Ploughs |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13.Sprayer pump |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 14.Water pump |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 15.Bio gas  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16.Power tiller |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17.Cattle handling yards |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 18.Small stock handling yards/crushes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19.Stock drinking trough |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 20.Dipping equipment |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 21.Drenching gun |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 22.Foot clippers |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 23.Dehorning equipment |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 24.Scalesweight tape |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 25.Other specify 1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

D16. Did you sell any household assets in the last 12 months? If yes, how much in total? (Pula) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Home

|  |
| --- |
| Home: where you live |
| D17. House ownership(code a) | D18. If rented, how much do you pay per month? | D19. Number of rooms | D20. Floor material(Code b) | D21. Wall material(code c) | D22. Roofing material(code d) |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| 1. **OWNERSHIP**
 | 1. **FLOOR MATERIAL**
 | 1. **WALL MATERIAL**
 | 1. **ROOFING MATERIAL**
 |
| 1=Owned 2=Rented3=Borrowed4=Other (specify) | 1= earth2= cement3= tiles4= other, specify | 1= earth/ mud/ cow dung2= wood/ bamboo/ iron sheets 3= unburned mud bricks4= burned mud bricks5= cement/ bricks  | 6= other, specify | 1= grass2= mud3= iron sheets/ asbestos4= tiles5= other, specify |

**Water**

What are your main sources of water for your animals and do you pay for it (please fill in the table below)?

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| D23. Use | D24.. Main water source1=borehole2=well3=river4=….. | D25. Distance to water point and time taken to go to the water point | D26. Do you pay? Yes=1; No=2. | D27. If yes, what is your ave. monthly cost per head? | D28. Do you transport water to cattle post/home? If yes, Which mode of transport do you use? | D29. Average annual transport cost for transporting water. |
| D25.1 Dry season | D25.2 Rainy season | D28.1 (1=Yes, 0= No) | D28.2 Mode of transport (code a) |
| D25.1.1 Distance (Kms) | D25.1.2 Time (hrs) | D25.2.1Distance (Kms) | D25.2.2Time (hrs) |
| 1.Home use  |  |  |  |  |  |  |  |  |  |  |
| 2.Livestock use |  |  |  |  |  |  |  |  |  |  |
| a)Mode of Transport:1= Own car2=Hired car3= Other (specify) |

#####

##### D30. Is water always available to your animals throughout the day & throughout the year? (Yes=1, No=2) [ ]

D31. If No, how frequently do you give your animals water in a day?

D31.1 [\_\_\_\_] (number of times/ day) during rainy season

D31.2 [\_\_\_\_] (number of times/ day) during dry season

##### **Power**

##### What are your main sources of power for livestock operation? Do you pay for it (please fill in the table below)?

|  |  |  |  |
| --- | --- | --- | --- |
| D32. Source | D33. Main source of power? (Yes=1; No=2) | D34. Do you pay? (Yes=1; No=2) | D35. How much do you pay monthly? (Pula) |
| 1. Power grid
 |  |  |  |
| 2. Generator |  |  |  |
| 3. Solar system |  |  |  |
| 4. Other: specify |  |  |  |

## Livestock and cattle: herd structures and flows

I**ndicate** the **number of animals** for the different species owned by the household (Please fill in the respective owner)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **E1. Livestock Species** | **E2. Who owns them [code a]** | **E3. Number owned by the household at his location** | **E4. Number kept but not owned** | **E5. Number owned by household but kept elsewhere**  | **E6.Total****(E3-E4+E5)** |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **1** | **2** | **3** | **4** | **5** | **6** | **7** |  |
| **1.Cattle** | a. Local |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| b. Cross |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| c. Exotic |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **2.Goats** | a. Local |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| b. Cross/ exotic |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **3.Sheep** | a. Local |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| b. Cross/ exotic |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **4.Poultry** | a. Local |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| b. Exotic |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **5. Pig** | a. Local |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| b. Cross/ exotic |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **6. Donkeys/Horses** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **7. Rabbits** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **8. Other, specify** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Who owns 1=Head 2=Spouse 3= Household (All) 4= Son 5=Daughter 6=head’s father or mother 7=Other (specify):\_\_\_\_\_\_\_\_
 |

## If the household has cattle, indicate the type, breed and number owned. If no cattle, go to Section E28.

|  |  |  |
| --- | --- | --- |
| **E7. Animal type (codes)** | **E8. Breed (codes)** | **E9. Number owned**  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

|  |  |
| --- | --- |
| **Animal type** |  **Breeds** |
| 1 =Bulls (>3 yrs ) | 1= Indigenous or local breed *(specify type)* |
| 2 =Castrated adult males (oxen>3 yrs) | 2=Brahman |
| 3= Immature males (< 3 yrs) | 3=Simmental |
| 4= Cows (calved at least once) | 4= Cross breeds |
| 5= Heifers(female ≥1yr,have not calved) | 5=Local goat |
| 6=Female calves (between 8 wks &<1yr) | 6= Other (specify) |
| 7=Male calves (between 8 wks &<1yr) |  |
| 8= Pre weaning males (<8 wks) |  |
| 9= Pre weaning females (<8 wks) |  |

|  |
| --- |
| **Please indicate who does the following (E10-E12)?** |
| **E10. Who feeds the animals? [ ] (Use code a)****E11. Who decides about sales and purchases of the animals? [ ] (Use code a)****E12. Who keeps the sales proceeds? [ ] (Use code a)** | **Code a)****1=Household head (head)** **2=Spouse** **3=Son****4=Daughter** | **5=head’s father** **6=head’s mother****7= employee****8=Other (specify):\_\_\_\_\_\_\_\_** |
| **E13. Primary reasons for keeping livestock? [ ] (Use code b) (choose up to two primary reasons)** | **Code b) 1= Consumption 2=to raise income 3= hobby 4= to cover school fee & other household costs 5=Other (specify)** |

## E14. Has any cattle entered the household herd during the past 12 months? (Yes=1, No=2) [ ]? If yes, fill in the below table

|  |  |  |  |
| --- | --- | --- | --- |
| **E15.****Inflow types****(code)** | **E16.****Main Month****(code)** | **E17.****Quantity****(number)** | **E18.****Main animal type (code)** |
| .1 |  |  |  |
| .2 |  |  |  |
| .3 |  |  |  |
| .4 |  |  |  |
| .5 |  |  |  |
| .6 |  |  |  |
| .7 |  |  |  |
| .8 |  |  |  |
| .9 |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
| 13. |  |  |  |
| 14. |  |  |  |
| 15. |  |  |  |
| 16. |  |  |  |
| 17. |  |  |  |
| **Outflows** | 1=Birth, 2=Bought, 3=Gift In, 4=Exchange In, 5= Loan In, 6= Keep on behalf of others, 7=Other |
| **Months** | 1=Jan, 2= Feb, 3= Mar, 4= Apr, 5= May, 6= Jun, 7=Jul, 8= Aug, 9= Sep, 10= Oct, 11=Nov, 12= Dec |
| **Animal type** | **1**= Bulls (>3 yrs ) 2 =Castrated adult males (oxen>3 yrs) 3= Immature males (< 3 yrs) 4= Cows (calved at least once) 5= Heifers(female ≥1yr,have not calved) 6=Female calves (between 8 wks &<1yr) 7=Male calves (between 8 wks &<1yr) 8= Pre weaning males (<8 wks) 9= Pre weaning females (<8 wks) |

E19.Has any Goats/Sheep entered the household small stock flock during the past 12 months? (Yes=1, No=2) [ ]? If yes, fill in the below table:

**Goat inflows**

|  |  |  |  |
| --- | --- | --- | --- |
| **E20.****Inflow types****(code)** | **E21.****Month****(code)** | **E22.****Quantity****(number)** | **E23.****Main animal type (code)** |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |

**Sheep inflows**

|  |  |  |  |
| --- | --- | --- | --- |
| **E24.****Inflow types (code)** | **E25.****Month (code)** | **E26.****Quantity (number)** | **E27.****Main animal type (code)** |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| **Outflows** | 1=Birth, 2=Bought, 3=Gift In, 4=Exchange In, 5= Loan In, 6= Keep on behalf of others, 7=Other |
| **Months** | 1=Jan, 2= Feb, 3= Mar, 4= Apr, 5= May, 6= Jun, 7=Jul, 8= Aug, 9= Sep, 10= Oct, 11=Nov, 12= Dec |
| **Animal type** | 1= <5 months for goats) 2=young female (pre-breeding) 3=adult female (breeding age)4= males 6=old animals 7=Mix |

**Cattle outflows**

E28. Has any cattle exited the household herd during the past 12 months? (Yes=1, No=2) [ ]? If yes, fill in the below table:

|  |  |  |  |
| --- | --- | --- | --- |
| **E29.****Outflows (code)** | **E30.****Month (code)** | **E31.****Quantity (number)** | **E32.****Main animal type (code)** |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| 9. |  |  |  |
| 10. |  |  |  |
| 11. |  |  |  |
| 12. |  |  |  |
| 13. |  |  |  |
| 14. |  |  |  |
| 15. |  |  |  |
| **Outflows** | 1=Death, 2=Sale, 3=Exchanged Out 4=slaughter, 5= Gift Out, 6= Lost, strayed, 7=Predators, 8=Stolen, 9=Others (SPECIFY!) |
| **Months** | 1=Jan, 2= Feb, 3= Mar, 4= Apr, 5= May, 6= Jun, 7=Jul, 8= Aug, 9= Sep, 10= Oct, 11=Nov, 12= Dec |
| **Animal type** | 1= Bulls (>3 yrs ) 2 =Castrated adult males (oxen>3 yrs) 3= Immature males (< 3 yrs) 4= Cows (calved at least once) 5= Heifers(female ≥1yr,have not calved) 6=Female calves (between 8 wks &<1yr) 7=Male calves (between 8 wks &<1yr) 8= Pre weaning males (<8 wks) 9= Pre weaning females (<8 wks) |
| **Market channel** | 1 = Butchery 2 = Abattoir 3 = Individuals 4 = Feedlots 5 = Traders 7. Retailers/Supermarkets 8. other |

E33.Has any sheep/goat the household herd during the past 12 months? (Yes=1, No=2) [ ]? If yes, fill in the below table:

**Goat outflows**

|  |  |  |  |
| --- | --- | --- | --- |
| **E34. Outflows (code)** | **E35. Month (code)** | **E36. Quantity (number)** | **E37. Main animal type (code)** |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |

**Sheep outflows**

|  |  |  |  |
| --- | --- | --- | --- |
| **E38. Outflows (code)** | **E39. Month (code)** | **E40. Quantity (number)** | **E41. Main animal type (code)** |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |
| 4. |  |  |  |
| 5. |  |  |  |
| 6. |  |  |  |
| 7. |  |  |  |
| 8. |  |  |  |
| **Outflows** | 1=Death, 2=Sale, 3=Exchanged Out 4=slaughter, 5= Gift Out, 6= Lost, strayed, 7=Predators, 8=Stolen, 9=Others (SPECIFY!) |
| **Months** | 1=Jan, 2= Feb, 3= Mar, 4= Apr, 5= May, 6= Jun, 7=Jul, 8= Aug, 9= Sep, 10= Oct, 11=Nov, 12= Dec |
| **Animal type** | 1= <5 months for goats) 2=young female (pre-breeding) 3=adult female (breeding age)4= males 5=old animals 6=Mix |
| **Marketing channel** | 1 = Butchery 2 = Abattoir 3 = Individuals 4 = Feedlots 5 = Traders 7. Retailers/Supermarkets 8. other |

## Marketing

## Provide details on the past 12 months sales of the L&F animal

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| F1. Animal type(code a) | F2. How many animals sold? | F3. Selling month?(Code b) | F4. Purpose of selling (Code c) | F5. Marketing channel (Code d) | F6. Ave. price per animal | F7. Mode of payment1=Cash 2=Credit3=in-kind4=other | F8. If cash, after how many days do you receive payment?  | F9. If credit, what are the terms? (code e) | F10. Transportation |
| F10. 1 Mode (code f) | F10.2. Time taken (hrs:min) | F10.3 who pays (code g) | F10.4 Cost/head(pula) |
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| **a) Animal type** | **b) Selling Month** | **c) PURPOSE OF SELLING** |
| **1**= Bulls (>3 yrs ) **2** =Castrated adult males (oxen>3 yrs) **3**= Immature males (< 3 yrs) **4**= Cows (calved at least once)  |  **5**= Heifers(female ≥1yr,have not calved) **6**=Female calves (between 8 wks &<1yr) **7**=Male calves (between 8 wks &<1yr) **8**= Pre weaning males (<8 wks) **9**= Pre weaning females (<8 wks) | 1=January2=February3=March4=April5=May6=June | 7=July8=August9=September10=October11=November12=December | 1 = To meet planned household expenses2 = To meet emergency household expenses3= Livestock trading as a business4= Culling because not productive5= Culling because sick6 = Other: (specify in cell) |
| **d) MARKETING CHANNEL**  | **e) CREDIT MODE OF PAYMENT** | **f) MODE OF TRANSPORTATION** | **g) who pays** |
| **1** = Butchery **2** = Abattoir**3** = Feedlots **4** = Individuals  | **5** = Traders 6= Retailers/Supermarkets**7=** other |  1= Buyer provided access to feed2= Buyer provided access to animal health4= Buyer provided access to breeding services 5= Buyer provided access to household goods6= Other: (specify in cell) | 1 = Trekking the animal2 = Owned Small truck for animals3 = Hired Small truck for animals4=Buyer pick the animal with his/her own transport5= other (specify in cell) | 1= your self 2= buyer pays it and deduct from the sale amount3=other (specify in cell) |

## Provide details on the last 12 months sales of goat and sheep

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | F11. Animal type(code) | F12. How many animals sold? | F13. Selling month | F14. Purpose of selling (Code) | F15. Marketing channel (Code) | F16. Ave. price per animal | F17. Mode of payment1=Cash 2=Credit3=in-kind4=other | F18. If cash, after how many days do you receive payment?  | F19. If credit, what are the terms? (code) | F20. Transportation |
| F20.1. Mode (code) | F20.2. Time taken (hrs:min)  | F20.3who pays (code g) | F20.4. Cost/head(Pula) |
| Goats |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Sheep |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **a) Animal type** | **b) Selling Month** | **c) PURPOSE OF SELLING** | **d) MARKETING CHANNEL**  |
| 1= <5 months for goats)2=young female (pre-breeding) 3=adult female (breeding age) | 4= males 5=old animals 6=Mix  | 1=January2=February3=March4=April5=May6=June | 7=July8=August9=September10=October11=November12=December | 1 = To meet planned household expenses2 = To meet emergency household expenses3= Livestock trading as a business4= Culling because not productive5= Culling because sick6 = Other: (specify in cell) | 1 = Butchery 2 = Feedlots 3 = Individuals 4 = Traders | 5. Abattoir 6. Retailers/Supermarkets7. other (specify in cell) |
| **e) CREDIT MODE OF PAYMENT** | **f) MODE OF TRANSPORTATION** | **g) Who pays** |
|  1= Buyer provided access to feed2= Buyer provided access to animal health | 4= Buyer provided access to breeding services 5= Buyer provided access to household goods6= Other: (specify in cell) | 1 = Trekking the animal2 = Owned Small truck for animals3 = Hired Small truck for animals4=Buyer pick the animal with his/her own transport5= other (specify in cell) | 1= your self 2= buyer pays it and deduct from the sale amount3=other (specify in cell) |

## Provide details on the last 12 months purchase of L&F animal *(cattle & change options to the relevant L&F specie)*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| F21. Animal type(code a) | F22. How many animals did you purchase? | F23. Purchasing month (code b) | F24.Purpose of purchasing (Code c) | F25. Marketing channel (Code d) | F26. Ave. purchase price per animal | F27. Mode of payment1=Cash 2=Credit3=in-kind4=other | F28. Transportation |
| F28.1. Mode (code e) | F28.2 Time taken (hrs:min)  | F28.3 who pays (code f) | F28.4. Cost/head(Pula) |
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| **a) Animal type** | **b) Selling Month** | **c) Purpose of purchasing** | **d) MARKETING CHANNEL**  |
| **1**= Bulls (>3 yrs ) **2** =Castrated adult males (oxen>3 yrs) **3**= Immature males (< 3 yrs) **4**= Cows (calved at least once)  | **5**= Heifers(female ≥1yr,have not calved) **6**=Female calves (between 8 wks &<1yr) **7**=Male calves (between 8 wks &<1yr) **8**= Pre weaning males (<8 wks) **9**= Pre weaning females (<8 wks) | 1=January2=February3=March4=April5=May6=June | 7=July8=August9=September10=October11=November12=December | 1= for fattening purpose2= buying female cow for reproduction3=slaughter4= other(specify on the cell) | **1** = Butchery **2** = Abattoir**3** = Feedlots **4** = Individuals  | **5** = Traders**6=** Retailers/Supermarkets**7=**other |
|  | **e) MODE OF TRANSPORTATION** | **f) Who pays** |
| 1 = Trekking the animal2 = Owned Small truck for animals3 = Hired Small truck for animals |  | 4=Buyer pick the animal with his/her own transport5= other (specify in cell) | 1= your self 2= seller pays it and deduct from the purchase amount3=other (specify in cell) |

## Provide details on the last 12 months purchase of goats and sheep

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | F29. Animal type(code a) | F30. How many animals did you purchase? | F31. Purchasing month( code b) | F32. Purpose of purchasing (code c) | F33. Marketing channel (Code d) | F34. Ave. purchase price per animal | F35. Mode of payment1=Cash 2=Credit3=in-kind4=other | F34 Transportation |
| F36.1 Mode (code e) | F36.2 Time taken (hrs:min)  | F36.3 who pays (code f) | F36.4 Cost/head(Pula) |
| Goats |  |  |  |  |  |  |  |  |  |  |  |
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| Sheep |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |
| **a) Animal type** | **b) Purchasing Month** | **c) Purpose of purchasing** | **d) MARKETING CHANNEL**  |
| 1= <5 months for goats)2=young female (pre-breeding) 3=adult female (breeding age)  |  4= males 5=old animals 6=Mix | 1=January2=February3=March4=April | 5=May6=June7=July8=August | 9=September10=October11=November12=December | 1= for fattening 2= female for reproduction3= for slaughter4= other (specify in cell) | 1 = Butchery 2 = Feedlots 3 = Individuals | 4 = Traders5. Abattoir 6. Retailers/Supermarkets7. other (specify in cell) |
|  | **e) MODE OF TRANSPORTATION** | **f) Who pays** |
|  | 1 = Trekking the animal2 = Owned Small truck for animals3 = Hired Small truck for animals4=Buyer pick the animal with his/her own transport5= other (specify in cell) | 1= your self 2= seller pays it and deduct from the purchase amount3=other (specify in cell) |

**Other farm activities**

F37. Do you have any other income from other farm activities (Crop/feed, milk products, chicken, egg, etc.)? (Yes=1, No=2) [ ]?

If yes, fill in the table below

|  |  |  |  |
| --- | --- | --- | --- |
| F38. Crop/feed type | F39. Amount sold (Kg) | F40. Market channel (specify) | F41. Average price (Per Kg) (currency) |
| Sorghum |  |  |  |
| Millet |  |  |  |
| Maize |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| F42. Milk and chicken products | F43. Amount sold ( litre/Kg/Number) | F44. Market Channel (specify) | F45. Average price (Per litre/Kg/dozen) (currency) |
| Milk |  |  |  |
| Cheese |  |  |  |
| Butter |  |  |  |
| Chicken |  |  |  |
| Egg |  |  |  |
| Pigs |  |  |  |
| Other (specify) |  |  |  |
|  |  |  |  |
|  |  |  |  |

1. **Other marketing and value adding activities**

G1. Did you incur any extra costs on the following? (Yes=1, No=2) [ ]? If yes, fill in the table below

|  |  |  |  |
| --- | --- | --- | --- |
| G2. Value adding activites | G3. Average cost(currency) | G4. How many people did you employ for this activity? | G5. Average cost paid for labour /per month? |
| 1. Fattening of L&F animal for sale on a particular date |  |  |  |
| 1. Fattening of L&F animal for slaughter at a particular weight
 |  |  |  |
| 1. Assembly of L&F animal for collection by buyer or for transport
 |  |  |  |
| 1. Slaughter L&F animal at home for sale
 |  |  |  |
| 1. Cooking and preparing of L&F products (beef, milk, cheese) for sale
 |  |  |  |
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What are the costs associated with the following value adding activities? Specify the costs incurred and time spent due to add value.

|  |  |  |  |
| --- | --- | --- | --- |
| G6. Elements | G7. Time spent | G8. Average cost per month? | G9. Unit1=per kg2=per animal3=other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| **L&F animal** |
| 1. Provision of information about animals sold
 |  |  |  |
| 1. Looking for buyers and arranging sales
 |  |  |  |
| 1. Organizing transport
 |  |  |  |
| 1. Length of time waiting for help with veterinary problems
 |  |  |  |
| 1. Length of time waiting for help with veterinary products
 |  |  |  |
| 1. Length of time waiting for help with feed products
 |  |  |  |
| 1. *Other (add)*
 |  |  |  |
| 1. *Other (add)*
 |  |  |  |
| 1. *Other (add)*
 |  |  |  |

**Please respond to the following on quality**

|  |
| --- |
| **Cattle** |
| G10. Channel type (Type bellow the channel which is mostly used by the farmer) use code a | G11. Rate the quality & transaction attributes that buyers look for?  1= never2=sometimes3=always |  | G12. Is there a grading system in place? Yes=1No=2 | G13. If yes, how many L&F from your previous sale achieved a high grade?  | G14. From your last sell, how many L&F did you not sell because of not meeting the quality attribute?  |
| **Attribute** | **Rating** |  |  |  |  |
|  | 1. Age
 |  |  |  |  |
|  | 1. sex
 |  |  |  |  |
|  | 1. Weight (measured)
 |  |  |  |  |
|  | 1. Weight (apparent)
 |  |  |  |  |
|  | 1. free of disease
 |  |  |  |  |
|  | 1. Time of delivery
 |  |  |  |  |  |
|  | 1. Place of delivery
 |  |  |  |  |  |
|  | 1. Advanced payment
 |  |  |  |  |  |
| **Goats/Sheep** |
|  | 1. Age
 |  |  |  |  |  |
|  | 1. sex
 |  |  |  |  |  |
|  | 1. Weight (measured)
 |  |  |  |  |  |
|  | 1. Weight (apparent)
 |  |  |  |  |  |
|  | 1. free of disease
 |  |  |  |  |  |
|  | 1. Time of delivery
 |  |  |  |  |  |
|  | 1. Place of delivery
 |  |  |  |  |  |
|  | 1. Advanced payment
 |  |  |  |  |  |
| **a) MARKETING CHANNEL**  |
| **1** = Butchery **2** = Abattoir**3** = Feedlots  | **4** = Individuals **5** = Traders**6**= Retailers/Supermarkets | **7**. other |

1. **COORDINATION**

Please complete the following related to your buyer

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| H1. Channel type | H2. Do you use any form of sales agreement or contracts with your buyer/seller?Yes=1No=2 | H3. If YES, what type of sales agreement/contracts1=Written 2=Verbal3=none4=other | H4. If sales agreement, what is pre-established? 1=weight2=color3=delivery date4=price5=quality6=Others | H5. How often do you communicate with your buyer per month?  | H6. Length of relationship ? (yrs:mths) | H7. Consequence of non-delivery of contract terms | H8. Do you have dedicated buyers? Yes=1 No=2 | H9. Are any check-off arrangements available? 1=Yes2=No  | H10.If yes, please specify.  |
| **L&F** |
| 1 = Butchery  |  |  |  |  |  |  |  |  |  |
| 2 = Abattoir |  |  |  |  |  |  |  |  |  |
| 3 = Feedlots  |  |  |  |  |  |  |  |  |  |
| 4 = Individuals  |  |  |  |  |  |  |  |  |  |
| 5 = Traders  |  |  |  |  |  |  |  |  |  |
| 6= Retailers/Supermarkets |  |  |  |  |  |  |  |  |  |
| 7=Other |  |  |  |  |  |  |  |  |  |
| 8= Other |  |  |  |  |  |  |  |  |  |

##

## Access and use of livestock related technology and inputs

## I1. Do you keep regular monitoring of your L&F (breeding/ vaccination etc.)? ( Yes=1,No=2) [ ]

|  |  |  |  |
| --- | --- | --- | --- |
|  | **1.Own bull service** | **2.Other bull service** | **3.AI service** |
| I1. Is the technology available?(YES=1, N0=2) |  |  |  |
| J2. Do you use this technology (YES=1, N0=2) |  |  |  |
| I3.What is your usual source of breeding service? Mention the two most used sources/services (code a)(If 0, go to section J)  |  |
| I4.Have you used this service in the last 12 months (YES=1, N0=2) |  |  |  |
| I5.What was your total expenditure during the last 12 months?(put 0 if none) |  |  |  |
| I6.What is the average cost per service? |  |  |  |
| I7.What mode of payment do you use? 1=cash; 2=in-kind?  |  |  |  |
| I8.If in-kind, estimate the value in Pula? |  |  |  |
| I9.Name and contact of service provider |  |  |  |
| I10.Who made the decision to use the service/ service provider? (Code b) |  |  |  |
| I12. Do you incur any transport cost during breeding services (YES=1, N0=2) |  |
| I 13. If yes in I12, what is the mode of transport? (Use code c) |  |
| I14. What is the average annual transport cost for this service? |  |  |  |

**Breeding services access question**

|  |  |
| --- | --- |
| 1. **Source of AI /bull service (add applicable options to the L&F type)**
 | 1. **Who makes the decision to use the service / who used the service**
 |
| 0=Have not done any breeding before1= own bull2= other farmer3= bull schemes/village bull4= private AI provider | 5= government/ public AI provider6= project/ NGO AI provider7= coop/ group AI provider8= other, specify in cell | 1 = household male2 = household female3 = joint household (male & female) in HH4 = non-household membe5 = other, specify in cell |
| **C) Mode of transport** |
| 1 = Trekking the animal2 = Owned Small truck for animals3 = Hired Small truck for animal | 4=service provider pick the animal with his/her own transport5= other (specify in cell) |

## Animal health services: (Cost should not include transport cost related to this service, see next question on transport costs)

|  | 1.De-worming | 2.Tick control | 3.Vaccination | 4.Curative treatment | 5.Other, specify |
| --- | --- | --- | --- | --- | --- |
| J1.Is the technology available?(Yes=1, No=2) |  |  |  |  |  |
| J2. Do you use this technology? (Yes=1; No=2) |  |  |  |  |  |
| J3.How do you learn about L&F animal health service information?  |  |  |  |  |  |
| J4.When was the last intervention against L&F animal diseases? (MM/YY) (00/00 = never) |  |  |  |  |  |
| J5.Against what L&F animal diseases? |  |  |  |  |  |
| J6.Was the last intervention for L&F animal preventive (P) or in treating a specific problem (T)? |  |  |  |  |  |
| J7. What was your total expenditure on preventive measures related to L&F during the last 12 months (0 if none): [Currency] |  |  |  |  |  |
| J8.What was your total expenditure on treatment measures to L&F during the last 12 months (0 if none) (Currency) |  |  |  |  |  |
| J9.When was the last intervention against small stock diseases? (MM/YY) (00/00 =never) |  |  |  |  |  |
| J10.Against what small stock diseases? |  |  |  |  |  |
| J11.Was the last intervention for small stock preventive (P) or in treating a problem (T)? |  |  |  |  |  |
| J12. What was your total expenditure on preventive measures related to small stock during the last 12 months (0 if none): [Currency: Pula] |  |  |  |  |  |
| J13.What was your total expenditure on treatment measures to small stock during the last 12 months (0 if none): [Currency] |  |  |  |  |  |
| J14.Where do you usually get this service? |  |  |  |  |  |
| J15..Who made the decision to use the service/ service provider? |  |  |  |  |  |

|  |  |
| --- | --- |
| **ANIMAL DISEASES**   | **HEALTH SERVICE INFORMATION** |
| 0= I don’t know1= Tick-borne disease (*local name*): [e.g. East coast fever, Anaplasmosis, Babesiosis etc.)2=Other vector-borne disease: [e.g. Trypanosomosis]3=Notifiable diseases: [e.g. *local name* (FMD), *local name;*  (Lumpy skin), *local name*; *local name* Rabies. Etc.]4= Routine management-related and controllable diseases: [e.g. *local name* (foot rot), Mastitis(*local name*), worms, bloat etc.)5= Nutrition diseases and complications: [e.g. Milk fever, )6= General frequent infections [e.g Respiratory/Pneumonia, Diarrhoea etc) 7=Skin problems [ e.g. Mange (sheep scab and sheep/goat pox etc.)1. Reproduction diseases (e.g. abortion)

9=Other (specify in cell) | 0=no access to information1=other farmers2=buyer3=farmers’ association4=animal health provider5= input supplier6=extension agent |
| **Where do you usually get this service** | **WHO MAKES THE DECISION TO USE THE SERVICE / WHO USED THE SERVICE** |
| 1= Self/ Neighbour with professional advice2= Self/ Neighbour without professional advice3= Animal health service provider/paravet4= Government veterinarian  | 5= Project/ NGO staff6= coop/ group staff7= Agrovet shop8=other, specify in cell | 1 = household male2 = household female3 = joint household (male & female) in HH | 4 = non-household member5 = other, specify in cell |

**DISEASE PREVALENCE**

**Respond to the following on animal disease within your cattle herd over the past 12 months:**

**J16. What diseases do you most commonly experience within your L&D ‘herd/flock’?[code] 1\_\_\_\_\_\_\_\_\_ 2.\_\_\_\_\_\_\_\_ 3.\_\_\_\_\_\_\_ 4. \_\_\_\_\_\_\_\_**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | a. Disease 1 [enter Code]\_\_\_\_ | b. Disease 2[enter Code]\_\_\_\_\_ | c. Disease 3[enter Code]\_\_\_\_\_\_ | d. Disease 4:[enter Code]\_\_\_\_ |
| J17. How many L&F animal (specify) got sick (past 12 mths.)? [ Total] |  |  |  |  |
| J.18 How many L&F animal (specify)died due to the disease?  |  |  |  |  |
| J 19. How many L&F animal (specify) did you put down/cull due to the disease?  |  |  |  |  |
| J20. What preventive practices do you use for the disease? [enter applicable codes] |  |  |  |  |
| J 21. How much did you spent to prevent the disease (past 12 mths.)?Total [Currency] | Measure 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |  |
| Measure 2.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |  |
| Measure 3.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |  |
|  |  |  |  |  |
| J 22. How much did you spent to treat the disease (past 12 mths.)Total [Currency) | Measure 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |  |
| Measure 2.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |  |
| Measure 3.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |  |
|  |  |  |  |  |
| **Preventive farm management practices** | **Animal diseases** |
| 1= Vaccination2= Dipping3=De-worming4= De-horning  | 5= Supplementation 6= Controlled grazing 7= Clean pen/kraal8= Other: \_\_\_\_\_\_\_\_\_\_\_\_\_ | 1*= Local name* (FMD)2= *Local name* (CBPP)3= *Local name* (dermatophilus congolensis)4= *Local name* (Lumpy skin)5= *Local name* (Foot rot ) 6= *Local name* (Heartwater)  | 7 = Liver fluke 8=Worms (helminthosis)9= *Local name* (Pastereurellosis)10= *Local name* (black quarter)11= *Local name* (Calf parathyroid) 12= *Local name* (Anthrax)  | 13= *Local name* (Rabies) 14= *Local name* Botulism)s15= *Local name* (TB)16= Mastitis (*Local name*)17= Other: \_\_\_\_\_\_\_ |

**Respond to the following on animal disease within your goat/sheep flock over the past 12 months:**

**J23. What diseases do you most commonly experience with in your GOAT/SHEEP flock?[code] 1\_\_\_\_\_\_ 2.\_\_\_\_\_\_ 3.\_\_\_\_\_\_\_ 4. \_\_\_\_\_\_**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | a. Disease 1 [Code]\_\_\_\_ | b. Disease 2[Code]\_\_\_\_\_ | c. Disease 3[Code]\_\_\_\_\_\_ | d. Disease 4:[enter Code]\_\_\_\_ |
| J24. How many goats/sheep got sick (past 12 mths.)? [ Total] |  |  |  |  |
| J.25 How many goats/sheep died due to the disease?  |  |  |  |  |
| J 26. How many goats/sheep did you put down/cull due to the disease?  |  |  |  |  |
| J27. What preventive practices do you use for the disease? [enter applicable codes] |  |  |  |  |
| J 28. How much did you spent to prevent the disease (past 12 mths.)?Total [Pula] | Measure 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |  |
| Measure 2.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |  |
| Measure 3.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |  |
|  |  |  |  |  |
| J 29. How much did you spent to treat the disease (past 12 mths.)Total [Pula | Measure 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |  |
| Measure 2.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |  |
| Measure 3.\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |  |  |  |
|  |  |  |  |  |
| **Preventive measures/ practices** | **Animal disease** |
| 1= Vaccination 2= Dipping3=De-worming4= Supplementation  | 5= Controlled grazing6= De-horning7=Clean animal kraal8= Other: \_\_\_\_\_\_\_\_\_\_\_\_ | 1= *Local name*  (Heartwater2= *Local name*  (Black quarter) 3= Worms (Helminthosis4= External parasites (eg.Dikgofa)5 = Conjunctivitis 6= Sheep scab 7= Sheep/goat pox   | 8= *Local name*  (CBPP) 9= *Local name*  (TB) 10= *Local name*  (Rabies) 11= Abscensses 12= *Local name*  ( Botulism)13= *Local name*  (Pastereurellosis)14= Mastitis (*Local name*  ) 15= Other: \_\_\_\_\_\_\_\_ |

**J30. Transport mode used in relation to animal health and associated costs**

|  |  |  |
| --- | --- | --- |
|  | J30.1 What mode of transport do you use when you buy drugs for your animals? (Enter code) | J30.2 What is the average annual transport cost associated with this activity? |
| 1= Cattle |  |  |
| 2= Goats and sheep |  |  |
| **Transport mode** |
| 1= Owned car2= = Hired car | 4= service provider delivers the medicine 5= other………. (specify)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_3= Taxi or bus  |

## Feeding

##### **Which are the main Feeding system that you used during the last 12 months for your different breeds and species?**

|  |  |  |
| --- | --- | --- |
|  | **K1. Rainy season (code a)** | **K2. Dry season (code a)** |
| 1. L&F animal (type) local breed
 |  |  |
| 1. L&F animal cross
 |  |  |
| 1. L&F animal pure exotic
 |  |  |
| 1. Goats
 |  |  |
| 1. Sheep
 |  |  |
| Code a) feeding system |
| **1** = Only grazing (free-range or tethered)  | 4=Only stall feeding (zero grazing) |
| **2** = Mainly grazing with some stall feeding | 5=On transhumance, some animals |
| 3= Mainly stall feeding with some grazing | 6=on transhumance, all animals |

##### K3. Do you grow improved fodder or pasture? (Yes=1, No=2) [ ] if No proceed to K11.

#####  ***Enter different fodder and pasture species in different rows***.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| K4. Which ones?(code a) | K5. % land under improved fodder or pasture | K6. Cut& carry (C) or Grazed in situ (G)? | K7. What seeds planting material are you using? (code b) | K8. Any treatment before feeding?(code c) | K9. Cost per year of growing | K10. Where do you get the information on fodder/ pasture cultivation?(code d) |
| 1. |  |  |  |  |  |  |
| 2. |  |  |  |  |  |  |
| 3. |  |  |  |  |  |  |
| 4. |  |  |  |  |  |  |
| 5. |  |  |  |  |  |  |
| 1. **Fodder type/pasture**
 | 1. **What seeds/planting material are you using**
 | 1. **Treatment**
 | 1. **Information Source**
 |
| 1= Napier grass2= Planted grasses. e.g. Rhodes grass3=Fodder maize4=Fodder shrubs (Calliandra, Sesbania, Lucaenia) 5=Other fodder legumes (Desmodium, lucern, vetch)6=Other specify\_\_\_ | 1=Recycled from own farm2=Recycled from other farmers3=Improved seeds4=Other, specify | 0= no treatment1= Stored standing2= Cut and stored loose3=chopped using Machete4= hand chopped using chaff cutter5= Motorized chopping using a pulveriser1. Motorized cut using tractor
 | 1= extension agent2= Research/ training institute3=Coop or group 4= Private extension provider e.g. agro vet shop/ company5 = NGO/ Project6= other, specify |

##### K11. Do you purchase grain-based feeds as well as fodder? (Yes=1, No-2) [ ] if No proceed to K16.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| K12. Which ones?(code a as k4) | K13. Average monthly cost during months when purchased | K14. Number of months/ year purchase is done | K15. Where purchased?(code a) | K16. How do you transport the feed?(code b) | K17. Average annual transport cost for this activity? |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| 1. **Where purchased?**
 | 1. **Transport mode**
 |  |
| 1= other farmers | 2= market, trader | 3= other, specify in cell | 1= Owned car2= = Hired car3= Taxi or bus4=seller provider transport5= other………. (specify) |

##### K16. Do you feed livestock on crop residues? (0 = No, 1 = Yes) [ ], if no proceed to K26

|  |  |  |  |
| --- | --- | --- | --- |
| K18. Which ones? (codes a) | K19. Are they 1=grown or 2=Purchased? | K20. Any treatment?(Codes same as in k8 Code c) | **If purchased** |
| K21. Number of months/year purchase is done | K22. Average monthly cost during months when purchased (purchase, treatment) | K23. Where purchased(Codes b) | K24. How do you transport the feed?(code c) | K25. Average annual transport cost for this activity? |
| 1. |  |  |  |  |  |  |  |
| 2. |  |  |  |  |  |  |  |
| 3. |  |  |  |  |  |  |  |
| 4. |  |  |  |  |  |  |  |
| **a)Crop residues** | **b)Where purchased?** | **c)Transport mode** |
| 1= green/dry maize stovers and thinnings2= cereal(wheat, barley, rice etc.) straws and millet, sorghum stalks3=Legumes (beans, cow peas, soya, haulms etc.) 4=Root and tubers peelings (potato, cassava, bananas etc.)5=Crop by products (sweet potato vines, cassava leaves etc.) 6= Other (specify in the cell) | 1= other farmers2= trader3. LAC4= other, specify | 1= Owned car2= = Hired car3= Taxi or bus4.seller provider transport= other………. (specify) |

##### K26. Do you feed cattle concentrate feeds, by- products and mineral supplements or licks? [Yes=1; No=2] [ ] , if no proceed to K36.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| K27. Which ones? (Code a) | K28. Average monthly cost during months when purchased | K29. Which animal types are fed with it? (code b) | K30. Kgs fed/ animal/ day (when fed) | K31. How many months/ year do you feed these? | K32. Where purchased?(code c) | K33. Where did you get the info? (Code d) | K34. How do you transport the feed?(code d) | K35. Average annual transport cost for this activity? |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **a)Feed type** | **b)Animal type** | **c) Where purchased**  | **d) Information source** | **d)Transport mode** |
| 1= Commercial dairy meal2= Mineral blocks3= Bran (Maize, wheat)4=Maize germ5=oilseed by-product (Sesame seed, cotton seed, copra, sunflower etc.) 6=Agro industrial byproducts (vegetable waste, brewer’s waste etc.)7=other specify | 1= all2= cows only3= lactating cows only4= calves only5= other, specify | 1= agrovet shop2=other farmers3= market, trader4= other, specify in cell | 1=extension agent2= Research/ training institute3= coop or group 4= Private ext. provider e.g. agro vet shop/company5 = NGO/Project6= other, specify | 1= Owned car2= = Hired car3. Taxi or bus4. Other (Specify) |

##### K36. Do you feed livestock on hay? (0 = No, 1 = Yes) [ ] If yes answer K36.1 to K36.6, if no go to K37

##### K36.1 Are they grown or purchased? (1 = grown, 2 = Purchased) [ ]

K36.2. Number of months/year purchase is done?

K36.3 Average monthly cost during months when purchased? [ ]( Currency)

 K36.4. Where purchased Use code same as k32 above (code c). [ ]

K36.5 How do you transport the hay? Use code same as k34 above (code d). [ ]

K36.6 Average annual transport cost for transporting hay? [ ] (Currency)

##### K37. Do you vary the feeding as well as grazing depending on stage of lactation? (Yes=1, No=2) [ ]

##### K38. Do you vary the feeding and grazing depending on fattening? (Yes=1, No=2) [ ]

##### K39. Do you vary the feeding and grazing depending on animal species (e.g. Among cattle and small stock)? (Yes=1, No=2) [ ]

## Other services (Cost should include transport cost related to this service)

|  |  |  |  |
| --- | --- | --- | --- |
| K39. Type of services | K40. Is the service available?(Yes=1, No=2) | K41. If yes, how many extension visits have you had in the last 12 months? | K42. If yes, what is your ave. cost per visit? |
| 1. **Extension visits**
 |  |  |  |
| 1. Cattle
 |  |  |  |
| 1. Small stock (goats and sheep)
 |  |  |  |
| 1. Crop
 |  |  |  |
| 1. Other, specify [ ]
 |  |  |  |
| 1. **Training**
 |  |  |  |
| 1. Cattle
 |  |  |  |
| 1. Small stock (goats and sheep)
 |  |  |  |
| 1. Crop
 |  |  |  |
| 1. Other, specify [ ]
 |  |  |  |
| 1. Information (other than extension and training)
 |  |  |  |

1. **Financial services and credit**

L1. Have you ever **obtained credit (loans)** for your L&F related activities? [\_\_\_]=YES [\_\_\_]=NO (tick), if no proceed to L

L2. If yes which ones? [ ] 1=Short term credit (loans) 2= Long term credit (loans) 3= both

If **Yes to L1**  indicate for **which needs** credit was obtained, **when** and from **what credit source**? (List each loan separately for long and short term

as indicated in the table)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| L3. Credit needs or use (code a) | L4. Year obtained | L5. Source of credit (code b) | L6. As Money (1) or Materials (2) | L7. How much did you borrow?  | L8. What was the interest rate?  | L9. What is your average monthly repayment amount? [Currency] |
| Long term credit (loan) |
| 1. [\_\_\_\_\_\_\_\_\_]
 | [\_\_\_ \_\_\_] | [\_\_\_] | [\_\_\_] [\_\_\_] |  |  |  |
| 1. [\_\_\_\_\_\_\_\_\_]
 | [\_\_\_ \_\_\_] | [\_\_\_] | [\_\_\_] [\_\_\_] |  |  |  |
| 1. [\_\_\_\_\_\_\_\_\_]
 | [\_\_\_ \_\_\_] | [\_\_\_] | [\_\_\_] [\_\_\_] |  |  |  |
| Short term Credit (loan) |
| L10. Credit needs or use (code a) | L11. Year obtained | L12. Source of credit (code b) | L13. As Money (1) or Materials (2) | L14. How much did you borrow?  | L15. What was the interest rate?  | L16. Ave. monthly repayment amount |
| 1. [\_\_\_\_\_\_\_\_\_]
 | [\_\_\_ \_\_\_] | [\_\_\_] | [\_\_\_] [\_\_\_] |  |  |  |
| 1. [\_\_\_\_\_\_\_\_\_]
 | [\_\_\_ \_\_\_] | [\_\_\_] | [\_\_\_] [\_\_\_] |  |  |  |
| 1. [\_\_\_\_\_\_\_\_\_]
 | [\_\_\_ \_\_\_] | [\_\_\_] | [\_\_\_] [\_\_\_] |  |  |  |
| 1. **Long term credit use**
 | **b)Short term credit use** | **c)Source of credit** |
| 1= To purchase improved animals2= For cattle housing3 = For equipment4= For establishing fodder5=Other: specify6= Other specify)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1 = Bank2 = Private source3 = Co-operative4 = Project / NGO1. =Self-help group or SACCO
2. =micro-finance institution

7 = Other | 1= To buy animals for fattening2. To buy female animals for reproduction3. For purchasing feeds4. For covering transport costs5. other (specify in cell) |

L17. Does the household have any creditors apart from the credit obtained from (refer above question)?[ \_\_\_\_\_\_ ] 1=Yes; 2=No

L18. If yes, what is the total current debt owed? [ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ ] (Currency) (may have to cut this out)

L19. If you didn’t obtain credit in either short term or long term loan, what was the reason? [ ] use code a bellow

|  |
| --- |
| 1. **REASONS FOR NO OBTAINING CREDIT**
 |
| 1 = I did not need it2 = Credit not available3 = Credit was too costly 4 = Lack of collateral5=Do not have information6=Fear of being unable to pay7= never thought of it8=Other (specify) \_\_\_\_\_\_ |

**Other financial related services**

|  |  |  |  |
| --- | --- | --- | --- |
| L20. Service | L21. Do you use the following(Yes=1, No=2) | L22. If yes, what is your ave. monthly cost?  | L23. If NO, why not? (code a) |
| 1. **Financial services**
 |  |  |  |
| 1. Health insurance
 |  |  |  |
| 1. Domestic/home insurance
 |  |  |  |
| 1. Crop insurance
 |  |  |  |
| 1. Livestock insurance
 |  |  |  |
| 1. **REASONS FOR NOT USING**
 |
| 1= I do not need it2=Not available3= Too costly4= Not aware of existence5=No collateral6=Other: specify |

##

## Membership of groups

M1. Is there any household member who is a member of a group? (Yes=1, No=2) [ ]. If No, proceed to section N.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| M2. Name of group\* | M3. Type of group (code) | M4. Main function that this group performs for you (up to 2) | **M5. Does the group help with Livestock marketing? [Yes=1; No=2]** | **M6. Does the group help with Livestock production? [Yes=1; No=2]**  | M7. How many men in the HH belong to this group? | M8. How many women in the HH belong to this group? | M9. What is annual membership fee (including levees on sale, if any, per yr.? [None=0] |
| 1. |  |  |  |  |  |  |  |
| 2. |  |  |  |  |  |  |  |
| 3. |  |  |  |  |  |  |  |
| 4. |  |  |  |  |  |  |  |
| **Type of groups (main function)** | **Main functions** |
| 1 = social/ welfare & community development groups | 1= provides access to milk market |
| 2 = savings and credit groups/Sacco | 2= provides access to inputs and services for dairy |
| 3 = agricultural producer groups | 3= provides training/ advisory for dairy |
| 4 = livestock producer groups | 4= provides access to market for crops |
| 5 = agricultural marketing groups | 5= provides access to inputs and services for crops |
| 6 = livestock marketing groups | 6= provides training/ advisory for crops |
| 7 = Other, specify | 7= provides ways to save money and get credit |
|  | 8= social functions and networking |
|  | 9=other specify |

*\*Complete one row per group that the household (any person) is a member of*

##

## Labour allocation

Use household recall from the previous 1-week (7 days) and note down the season when the survey is being carried out (rainy/dry seasons).

Enter 0 under “No. of people” and “hrs./ person” for activities not carried out. Table is to be filled for activities on cattle

| N1. Type of Activity | N2.Household | N3.2 Non-Household |
| --- | --- | --- |
| N2.1 Adult Males | N2.2 Adult Females | N2.3 Children(< 15 yrs) | N3.1 Hired Females | N3.2 Hired Males |
| N2. No. people | N3. Hrs / person/month | N4. No. people | N5. Hrs / person/month | N6. No. people | N7. Hrs / person/month | N8. No. people | N9. Hrs / person/month | N10. Wage/months | N11. No. people | N12. Hrs / person/month | N13. Wage/ months |
| 1. Livestock
 |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Non livestock
 |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Other1………………
 |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Other2………………
 |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Other3………………
 |  |  |  |  |  |  |  |  |  |  |  |  |
| 1. Other4………………
 |  |  |  |  |  |  |  |  |  |  |  |  |

\**Labour for whole herd*

Of your total employees (hired), how many are permanent and temporary/casual workers?

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| N3. Labor Type | N4. Male | N5. Female | N6. Main two months in which labour is NEEDED (Code a) | N7. Main two months in which labour is AVAILABLE (Code a) |
| 1.Permanent |  |  |  |  |
| 2.Temporary/casual |  |  |
|  a) Months:1=January, 2=February, 3=March, 4=April, 5=May, 6=June, 7=July, 8=August, 9=September, 10=October, 11=November, 12=December |

## Household Food Security (To be answered by the person in charge of meal preparations)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **O1. Household member name (same as hh roster)** | **Code** |  | **1.Food Frequency** How many days in the past two weeks your household has eaten the following food items, prepared and/or consumed at home and what the source of the food was?  | **2**.Number of days eaten in previous 14 days?  | **3.**What was the main source of this food in the last 14 days?  |
| **O2**. In the past 12 months was there ever no food to eat of any kind in your house because of lack of resources to get food?  | Yes=1No=2 |  | Cereals /grains: millet, sorghum, maize,  |  |  |
| Wheat flour: (include bread)  |  |  |
| Local grains (e.g. Ugali) |  |  |
| Rice |  |  |
| **O3**. How often did this happen in the past 12 months?  | Rarely (1-2 times) ...............1 Sometimes (3-10 times) ......2 Often (> 10 times) ..............3  |  | Fruits |  |  |
| Vegetables |  |  |
| **O4**. In the past 12 months did you or any household member go to sleep at night hungry because there was not enough food?  | Yes=1No=2 |  | Beans, peas, lentils, or nuts |  |  |
| Eggs |  |  |
| Poultry: chicken, duck, other poultry |  |  |
| **O5**. How often did this happen in the past 12 months?  | Rarely (1-2 times) ........... 1 Sometimes (3-10 times) ... 2 Often (> 10 times) ........... 3  |  | Beef |  |  |
| Pork |  |  |
| Lamb, goat meat |  |  |
| Fresh or dried fish or shellfish |  |  |
| Milk, cheese, yogurt, or other milk product |  |  |
| **O6.** In the past 12 months did you or any household member go a whole day and night without eating anything at all because there was not enough food?  | Yes=1No=2 |  | Oils and fats |  |  |
| Sweets, sugar, honey |  |  |
| Other condiments: coffee, tea, milk in tea |  |  |
| **O7**. How often did this happen in the past 12 months?  | Rarely (1-2 times) ......... 1 Sometimes (3-10 times) .... 2 Often (> 10 times) .............3..  |  | Other condiments: coffee, tea including milk in tea |  |  |
| **Frequency** 0= Not eaten1 day =12 days= 2 | 3 days =34 days= 4 5 days = 5 | **Source of Food**1= Own production 2=Hunting/gathering/fishing 3=Bought using cash  | 4=Borrowed (friends/relatives)5=Gifts (friends/relatives) 6=Bought on credit 7=Received as payment | 8=Food assistance 9=Begging |

### Risks and Shocks

**I will now ask you about the unfavorable events that have occurred to the household since the beginning 2012 to this date**

|  |  |  | **QUESTIONS BELOW SHOULD BE ASKED ONLY FOR THE THREE MOST SEVERE SHOCKS AS NOTED IN QUESTION 2** |
| --- | --- | --- | --- |
|  | P1. Since 2012 to this day, was the household negatively affected by any of the following events*1---yes**2---no* **→go to next event** | P 2. Rank the 3 most significant shocks you experienced - put (1) for most severe, (2) for 2nd most severe, and (3) for 3rd most severe | P3. In which year(s) did this occur?*(2012 or 2013)* | P4. How long did the impact of the event last? (days; 888 if ongoing) | P5. How big was the impact?0…No impact1…Low2…Medium3…High | P6. Estimate the value of the loss due to the event | P7.What did the household do to cope with this?( use code a) | P8How many months did it take for the household to come back to normal after the shock?  |
| 1 | Drought |  |  |  |  |  |  |  |  |
| 2 | Flooding |  |  |  |  |  |  |  |  |
| 3 | Pests or diseases that affected almost all crops before harvest |  |  |  |  |  |  |  |  |
| 4 | Pests or disease attack that led to storage losses of crops or fish |  |  |  |  |  |  |  |  |
| 5 | Pests or diseases for livestock |  |  |  |  |  |  |  |  |
| 6 | Adverse weather affecting production |  |  |  |  |  |  |  |  |
| 7 | Theft of livestock |  |  |  |  |  |  |  |  |
| 8 | Theft of production tools and equipment |  |  |  |  |  |  |  |  |
| 9 | Theft of cash |  |  |  |  |  |  |  |  |
| 10 | Destruction of housing |  |  |  |  |  |  |  |  |
| 11 | Death of adult household member |  |  |  |  |  |  |  |  |
| 12 | Disablement of adult household member |  |  |  |  |  |  |  |  |
| 13 | Disablement of child household member |  |  |  |  |  |  |  |  |
| 14 | Decrease in output prices |  |  |  |  |  |  |  |  |
| 15 | Increase in input prices |  |  |  |  |  |  |  |  |
| 16 | Increase in food prices |  |  |  |  |  |  |  |  |
| 17 | Job loss by household member |  |  |  |  |  |  |  |  |
| 18 | Forced loss of tenancy of land |  |  |  |  |  |  |  |  |
| 19 | Forced migration of household |  |  |  |  |  |  |  |  |
| 20 | Communal crisis |  |  |  |  |  |  |  |  |
| 21 | Fire outbreak |  |  |  |  |  |  |  |  |
| 22 | No market for products |  |  |  |  |  |  |  |  |
| 23. | Non payment by a buyer |  |  |  |  |  |  |  |  |
| 24 | Other (please specify) |  |  |  |  |  |  |  |  |
| 1. **Coping strategy (Codes for P7)**

1…Reduce food consumption2…reduce non food consumption3…Work harder4…Took up additional occupation5…Household migrated to search for job6…Took children out of school7…Use savings8…Sold assets | 9…Sold livestock10…Sold land11…Sold crops12…Formal insurance13…Borrow from moneylender14…Borrow from relative15…Borrow from non-relatives16…Borrow from commercial bank17…Borrow from credit union18…Buy goods / fish on credit | 19…Gift from relatives20…Gift from non-relative21…Help with labour from relatives22…Help with labour from non-relatives23…Help from government24…Help from NGOs25…Help from mosque/church26…Other (please specify) |  |

1. **Market information**

Q1. Do you have access to market information related to farming /marketing ‘commodity’? [ \_\_\_\_\_\_ ] 1=Yes 2=No

If yes from which sources and which elements do you have information on?

|  |  |  |
| --- | --- | --- |
| Q2.Information | Q3. Tick if you have had access in the past one year | Q4. Sources (use codes bellow) |
| 1=individual farmers2=farmer group3=processors4=mass media | 5) other (specify in cell) |
| 1. Milk prices
 |  |  |
| 1. Meat prices
 |  |  |
| 1. Quality
 |  |  |
| 1. Veterinary product prices
 |  |  |
| 1. Feed prices
 |  |  |
| 1. Weather
 |  |  |
| 1. Other (specify)
 |  |  |

***S. Other expenses***

Please detail the different costs of operations incurred by your firm

|  |  |  |  |
| --- | --- | --- | --- |
|  | S1.Input costs | S2.Annual costs | S3. Other comments (esp. units) |
| 6.8.1 | Electricity |   |  |
| 6.8.2 | Fuel for Genrator(s) |  |  |
| 6.8.4 | Purchased raw materials  |   |  |
| 6.8.7 | Spares, Repairs and maintenance |   |  |
| 6.8.8 | Insurance (buildings and machinery) |   |  |
| 6.8.9 | Insurance (animals or product) |  |  |
| 6.8.13 | Fees paid to participate in auctions |  |  |
| 6.8.16 | Tax per unit of product |  |  |
| 6.8.17 | Purchase of herbicides |  |  |
| 6.8.18 | Purchase of pesticides |  |  |