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| **Climate and Rural Poverty:****Incorporating Climate into Rural Development Strategies** **(Asian Climate Adaptation Study)** |
| **Questionnaire on Farm Households**  **Prepared by Yale University (USA), UNDP, ASIA ADAPT** |

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| **Introductory Statement:**  “Scientific evidence has confirmed that the climate will likely change in the future with implications for agriculture. The information provided by you in this interview about your farm activities in the period from February 2012 to November 2012 farming season will contribute to understanding the likely impacts of climate change on agriculture and ht best ways to adapt in \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**[*COUNTRY TEAM:* insert name of country]** and across Asia. Your responses to these questions are anonymous.  This country study is being conducted by \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  (***COUNTRY TEAM: please write the name of your institution in the space provided***).  Thank you for your kind co-operation.” |
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| I. GENERAL-ALL FARMERS |

1.0.1 Type of Farm Entity: \_\_\_\_\_ (**KEY for 1.0.1:** 1: subsistence; 2: commercial ) (Interviewer: Use country definition)

1.0.2 Please state the relationship of the respondent to the head of the household of the farm: \_\_\_\_\_\_\_\_\_\_\_

**KEY for 1.0.2**

1. Head of household; 2. Husband;

3. Wife; 4: Child; 5. Grandchild; 6. Parents; 7. Siblings;

8. Other family members (includes household helpers)

9: Manager/other proxy for owner

1.0.3 Who makes the farm decisions?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**KEY for 1.0.3**

1. Head of household; 2. Husband;

3. Wife; 4: Child; 5. Grandchild; 6. Parents; 7. Siblings;

8. Other family members (includes household helpers)

9: Manager/other proxy for owner

* 1. **CLIMATE CHANGE, AGRICULTURE AND FARMER PERCEPTIONS**

1. How long have you been a farmer (or farm manager)?\_\_\_\_\_\_\_\_\_\_(In number of years)

1.1.2a Have you noticed any long-term shifts in temperature on your farm? \_\_\_\_\_\_ (1-No; 2-Yes) If yes, warmer or cooler? \_\_\_\_\_\_(1-cooler; 2-warmer)

1.1.2b Have you noticed any long term shifts in precipitation on your farm? \_\_\_\_\_\_ (1-No; 2-Ye s) If yes, drier or wetter? \_\_\_\_\_\_(1-drier; 2-wetter)

1.13 What adjustments in your farming have you made to these long-term shifts, such as changing planting dates, using different crop varieties, or adding irrigation?

1.1.4 How do you predict the weather next season? (Use past season weather, expert opinions, radio, etc)

1.1.5 What strategies do you use to adapt your farm to the changes in weather from year to year?

**1.2 HOUSEHOLD ROSTER**

1.2.1 Household size (of owner of the farm): \_\_\_\_\_\_\_

1.2.2 Household Characteristics.

1.2.2.1 Age of the head of the household: \_\_\_\_\_\_\_\_\_\_ (years)

1.2.2.2 Gender of the head of the household: \_\_\_\_\_\_\_\_\_\_ (**KEY for 1.2.2.2:** 1: Female; 2: Male)

1.2.2.3 Education of the head of the household (number of years of education): \_\_\_\_\_\_\_\_\_\_\_

1.2.2.4 Number of adult males (16 plus):\_\_\_\_\_\_\_\_\_

1.2.2.5 Number of adult females (16 plus):\_\_\_\_\_\_\_\_\_

1.2.2.6 Number of male children (under 16):\_\_\_\_\_\_\_\_\_

1.2.2.7 Number of female children (under 16):\_\_\_\_\_\_\_\_\_

1.2.3 Does the household have electricity? \_\_\_\_\_\_\_(**KEY for 1.2.3:** 1: no; 2: yes)

1.2.4 Does the household have a telephone? \_\_\_\_\_\_\_(**KEY for 1.2.4:** 1: no; 2: yes)

1.2.5 Does the household have a computer? \_\_\_\_\_\_\_ (**KEY for 1.2.5:** 1: no; 2: yes)

**1.3 OCCUPUTATION OF THE HEAD OF THE HOUSEHOLD**

|  |  |
| --- | --- |
| 1.3.1 | 1.3.2 |
| What is the Primary Occupation of the head of the household in terms of income? | What is the Secondary Occupation of the head of the household |
|  |  |
| **KEY for 1.3.1 and 1.3.2:**  1. Farmer; 2. Agriculture (farm) laborer 3. Artisan 4. Office worker 5. Civil Servant 6. Teacher 7. Health worker 8. Trader 9. Student 10. Unemployed 11. Not in labor force 12. Other non-agriculture worker | |

**II. CROP ACTIVITIES: To be completed only by farmers growing crops**

|  |  |  |
| --- | --- | --- |
| 2.0. Do you manage any land to grow crops? | If No 🡪 Skip to III. LIVESTOCK ACTIVITIES” | 1 = No, 2 = Yes |

**(Country teams Determine how many cropping seasons there are in your country and name of each cropping season.**

**2.2 FARMING AREAS**

2.2.1 How many **separate** plots do you use for cropland? \_\_\_\_\_\_\_\_\_ (*Interviewer: If response is “1”, respond to 2.2.2.1 and 2.2.2.4 only*)

**KEY for 2.2.1**: 1: only 1 single area is farmed

2: 2 separate areas are farmed;

3: 3 or more areas are farmed

2.2.2 Please denote the size of the **following** separate crop plots you used in 2012:

(Country teams define units of land in survey e.g. hectares)

2.2.2.1 Largest single Area:\_\_\_\_\_\_\_\_\_ **} (NB: Interviewer:** this area is what is referred to as **PLOT 1** in the ensuing questions that make reference to a “Plot”.)

2.2.2.2 How many additional plots did you use for crops in 2012?\_\_\_\_\_\_\_\_

2.2.2.3 Sum the size of all the additional plots: \_\_\_\_\_\_\_\_ **}** **(NB: Interviewer:** this cumulative area is referred to as **PLOT 2** in the ensuing questions)

**2.3 LAND USE FOR EACH PLOT**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 2.3.1 | 2.3.2 | 2.3.3 | 2.3.4 | 2.3.5 | 2.3.6 | 2.3.7 |
| Plot Numbers | System of farming | Tenure type | How many number of years have you used this plot? | Total rent paid (per month) if plot is leased | Planted Area | Fallow Area |
| 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
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| **KEY for 2.3.2:**  1: Shifting cultivation (With long fallow period)  2: Continuous cropping (no fallow period)  3: Continuous cropping with multiple rotations (includes short fallow period)  4: Other (pls. specify . . . )  **(*Interviewer: Please allow for multiple response*)** | **KEY for 2.3.3:**  1: Own land and own use  2. Own land and rent to others  3: Sharecropped land  4: Communal land (traditional ownership)  5: Rented land  6: Borrowed land (Do not pay for usage)  7: Other (pls. specify . . . )  **(*Interviewer: Please allow for multiple responses*** |

**2.4 LABOR FOR CROPS**

**2.4.1. Household Labor**

|  |  |  |  |  |  |  |  |  |  |  |
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| 2.4.1.1. **Planting** | | | | | | | | | | |
| 2.4.1.1.1. Season | 2.4.1.1.2. Plot Number | 2.4.1.1.3. Adult Male | | | 2.4.1.1.4. Adult Female | | | 2.4.1.1.5. Children | | |
| a. No | b. Avg. Hrs/Week | c. Weeks | a. No | b. Avg. Hrs/Week | c. Weeks | a. No | b. Avg. Hrs/Week | c. Weeks |
| 1 | 1 |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |
| 2 | 1 |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |
| 3 | 1 |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |

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| 2.4.1.2. **Maintenance** (weeding, pruning, etc) | | | | | | | | | | |
| 2.4.1.2.1. Season | 2.4.1.2.2. Plot Number | 2.4.1.2.3. Male | | | 2.4.1.2.4. Female | | | 2.4.1.2.5. Child | | |
| a. No | b. Avg. Hrs/Week | c. Weeks | a. No | b. Avg. Hrs/Week | c. Weeks | a. No | b. Avg. Hrs/Week | c. Weeks |
| 1 | 1 |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |
| 2 | 1 |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |
| 3 | 1 |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |

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| 2.4.1.3. **Harvest** | | | | | | | | | | | | | | | | | | | | | |
| 2.4.1.3.1. Season | 2.4.1.3.2. Plot Number | | | | 2.4.1.3.3. Male | | | | | | 2.4.1.3.4. Female | | | | | | | 2.4.1.3.5. Child | | | |
| a. No | b. Avg. Hrs/Week | | | c. Weeks | | a. No | | b. Avg. Hrs/Week | | | c. Weeks | | a. No | | b. Avg. Hrs/Week | c. Weeks |
| 1 | 1 | | | |  |  | | |  | |  | |  | | |  | |  | |  |  |
| 2 | | | |  |  | | |  | |  | |  | | |  | |  | |  |  |
| 2 | 1 | | | |  |  | | |  | |  | |  | | |  | |  | |  |  |
| 2 | | | |  |  | | |  | |  | |  | | |  | |  | |  |  |
| 3 | 1 | | | |  |  | | |  | |  | |  | | |  | |  | |  |  |
| 2 | | | |  |  | | |  | |  | |  | | |  | |  | |  |  |
| 2.4.1.4. **Post-Harvest Processing** | | | | | | | | | | | | | | | | | | |
| 2.4.1.4.1. Season | | 2.4.1.4.2. Plot  Number | 2.4.1.4.3. Male | | | | | 2.4.1.4.4. Female | | | | | | 2.4.1.4.5. Child | | | | |
| a. No | b. Avg. Hrs/Week | | | c. Weeks | a. No | | b. Avg. Hrs/Week | | c. Weeks | | a. No | b. Avg. Hrs/Week | | c. Weeks | |
| 1 | | 1 |  |  | | |  |  | |  | |  | |  |  | |  | |
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**2.4.2. Hired Labor**

NOTE: We are not breaking-down hired labor into adult male, adult female and children.

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|  |  | 2.4.2.3. Planting | | | 2.4.2.4. Maintenance | | | 2.4.2.5. Harvest | | | 2.4.2.6. Post-Harvest | | |
| 2.4.2.1. Season | 2.4.2.2. Plot  Number | a. No | b. Avg. Hrs/Week | c. Weeks | a. No | b. Avg. Hrs/Week | c. Weeks | a. No | b. Avg. Hrs/Week | c. Weeks | a. No | b. Avg. Hrs/Week | c. Weeks |
| 1 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |
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| 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |  |  |  |

**2.5** Information on the **PRIMARY CROPS** grown in your farm in 2012.

(Country teams- develop list only of crops grown in your country. For example:

1. alfalfa 2. banana 3 barley 4. bean 5.cashew 6.cassava

7. citrus fruit 8. chickapea 9. Clover 10. cocoa 11. cucumber 12. Enset

13. field pea 14. flax 15..garden-eggs 16. garlic 17. grape 18. groundnut

19.kola 20. lentil 21. Mango 22 maize 23. millet 24. oil palm

25. okra 26. onion 27. palm dates 28. paprika 29.peanuts 30. pepper

31. pigeon pea 32 pineapple 33. Plantain 34. potato 35. rice 36. safflower

37. sesame 38. shallots 39. Sheanut 40. sorghum 41. soybean 42. spinach

43. squash 44. sugarcane 45. Sunflower 46. tea 47. tef 48. tobacco

49. tomato 50. wheat 51. Yam 52. other (specify) 53. other (specify) 54. other (specify)

55. other (specify) 56. other (specify) 57. other (specify)

| 2.5.0 | 2.5.1 | 2.5.2 | 2.5.3.1 | 2.5.3.2 | 2.5.4.1 | 2.5.4.2 | 2.5.5 | 2.5.6 | 2.5.7 | 2.5.8 | 2.5.9 | 2.5.10 | 2.5.11 | 2.5.12 | 2.5.13 | 2.5.14 | 2.5.15 |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Season | Plot  No. | Crop Type  (*Use key for 2.5 above*) | Planting  Month | Planting  Week | Harvest  Month | Harvest  Week | % of Plot area planted in crop  (%) | Inter-cropped (1 = Yes  0 = No) | Quantity Harvested  *(kg)* | % consumed by household | % consumed by livestock | Harvest lost due to disease and pests  (%) | Quantity  sold  (kg) | To whom is output sold? | Price per kg | Cost off Seeds  *(USD)* | Cost of Fertilizer |
| **Key for 2.5.11**  1. Consumers  2. Wholesaler  3. Exporters  4. Others |
| 1 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 2.5.0 | 2.5.1 | 2.5.2 | 2.5.3.1 | 2.5.3.2 | 2.5.4.1 | 2.5.4.2 | 2.5.5 | 2.5.6 | 2.5.7 | 2.5.8 | 2.5.9 | 2.5.10 | 2.5.11 | 2.5.12 | 2.5.13 | 2.5.14 | 2.5.15 |
| Season | Plot  No. | Crop Type  (*Use key for 2.5 above*) | Planting  Month | Planting  Week | Harvest  Month | Harvest  Week | % of Plot area planted in crop  (%) | Inter-cropped (1 = Yes  0 = No) | Quantity Harvested  *(kg)* | % consumed by household | % consumed by livestock | Harvest lost due to disease and pests  (%) | Quantity  sold  (kg) | To whom is output sold? | Price per kg | Cost off Seeds  *(USD)* | Cost of Fertilizer |
| 2 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 3 | 1 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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**2.6-2.7 WATER, IRRIGATION, FERTILIZER, PESTICIDE**

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| 2.6.1. Does farmer irrigate crops? | If No 🡪 Skip to 2.6..4.1 | 1 = No, 2 = Yes |

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| 2.6.2 | 2.6.3 | 2.6.4.1 | 2.6.4.2 | 2.6.5.1 | 2.6.5.2 | 2.6.6.1 | 2.6.6.2 |
| Season | Plot No | Water Source(*Interviewer: Please allow for multiple sources. If rainfed only, please skip to 2.7.1; otherwise, go to 2.6.3)* | If you use irrigation, which system do you use?  (*Interviewer: Please allow for multiple responses)* | Inorganic Fertilizer (kg) | Organic Fertilizer (kg) | Pesticide (powder)  (kg) | Pesticide (liquid)  (liters) |
| 1 | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 2 | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
| 3 | 1 |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |
|  |  | **KEY for 2.6.2**:  1: rain fed; 2: irrigated- public scheme; 3: irrigated – groundwater; 4: irrigated- private scheme ; 5: Other (pls. specify . . . ) | **KEY for 2.6.3**:  1: gravity; 2: sprinklers;  3: drip systems; 4: other (pls. specify. . .) |  |  |  |  |

2.6.7.1 Cots/kg of Inorganic Fertilizer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2.6.7.2 Cost/kg of Organic Fertilizer: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2.6.8.1 Cost/kg of Pesticide (powder): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2.6.8.2 Cost/liter of Pesticide (liquid): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**2.7.1 Surface Water Quantity Applied**

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| --- | --- | --- | --- |
| 2.7.1.1. Does farmer use surface water (e.g. from a canal)? | If No 🡪 Skip to 2.7.2. Groundwater Use | | 1 = No, 2 = Yes |
| 2.7.1.2 What is the source of the surface water? |  | 1 = canal, 2 = pond, 3 = river, 4 = lake | |

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| 2.7.1.2. Season | 2.7.1.3. Plot ID | 2.7.1.4. Depth of Inundation in Field (inches) | 2.7.1.5. Total Number of Irrigations | 2.7.1.6. Irrigated Area | 2.7.1.7. Seasonal Cost of Surface Irrigations |
| 1 | 1 |  |  |  |  |
| 2 |  |  |  |  |
| 2 | 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 | 1 |  |  |  |  |
| 2 |  |  |  |  |

**2.7.2. Groundwater Use**

|  |  |  |
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| 2.7.2.1. Does farmer use groundwater? | If No 🡪 Skip to 2.8 FARM MACHINERY, INPUTS AND FARM BUILDINGS | 1 = No, 2 = Yes |

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| 2.7.2.2. Season | 2.7.2.3. Plot ID | 2.7.2.4. Depth of Inundation (inches) | 2.7.2.5. Total Number of Irrigations | 2.7.2.6. Irrigated Area | 2.7.2.7. Seasonal Cost of Groundwater Irrigations |
| 1 | 1 |  |  |  |  |
| 2 |  |  |  |  |
| 2 | 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 | 1 |  |  |  |  |
| 2 |  |  |  |  |

**2.8 FARM MACHINERY, INPUTS AND FARM BUILDINGS.**

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| --- | --- | --- | --- | --- |
| 2.8.0 Tool/Machinery/ Implements | 2.8.1. Number | 2.8.2 Who owns the equipment? | 2.8.3 Price (or value)/unit | 2.8.4 Average lifespan of item |
| *Light machinery:* |  |  |  |  |
| 1.Cutlass, machete |  |  |  |  |
| 2. Hoe |  |  |  |  |
| 3. File |  |  |  |  |
| 4. Axe |  |  |  |  |
| 5. Baskets |  |  |  |  |
| 6. Weeder |  |  |  |  |
| 7. Other Light Machinery (please specify\_\_\_\_\_) |  |  |  |  |
| Heavy machinery |  |  |  |  |
| 8. Tractor |  |  |  |  |
| 9. Plough |  |  |  |  |
| 10. Trolley/Trailers |  |  |  |  |
| 11. Thresher |  |  |  |  |
| 12. Fodder cutting machine |  |  |  |  |
| 13. Generator/Diesel Pumps (including groundwater pumps) |  |  |  |  |
| 14. Spraying machines (chem./fertilizer) |  |  |  |  |
| 15. Harvester machine |  |  |  |  |
| 16. Direct tillage machines |  |  |  |  |
| 17. Other Heavy Machinery (please specify\_\_\_\_) |  |  |  |  |
| Farm Animal Power |  |  |  |  |
| 18. Bullocks |  |  |  |  |
| 19. Mules |  |  |  |  |
| 20. Other Animal Power (pls. specify\_\_\_\_\_\_) |  |  |  |  |
| *NB: for (7), (17) and (20), please specify each item and information requested in 2.8.1-2.8.4 using additional space on back of page* |  | **KEY for 2.8.2** :  1: household has ownership;  2: jointly owned with other households/farm entities  3. hired for household or joint use |  |  |

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| --- |
| **III. Livestock (Farmers who have livestock only)** |

|  |  |  |
| --- | --- | --- |
| 3.1. Does your household own Livestock, Poultry or Other farm animals? | If No 🡪 Skip to IV. GENERAL | 1 = No, 2 = Yes |

**3.2 LIVESTOCK**: Questions below pertain to 2012

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3.2.1 | 3.2.2 | 3.2.3 | | | 3.2.4 | 3.2.5 | | 3.2.6 | | 3.2.7 | | 3.2.8 | | 3.2.9 |
| Type | Number currently owned | Type of production system | | | Number animals born | Number of animals lost | | Number of animals purchased | | Purchase price  (per animal) | | Number of animals sold | | Sale price (per animal ) |
| Extensive | Intensive |  | |  |  | |  | |  | |  | |
| 1. Cattle (for meat) |  |  |  |  | |  |  | |  | |  | |  | |
| 2. Cattle (for milk) |  |  |  |  | |  |  | |  | |  | |  | |
| 3. Breeding bulls |  |  |  |  | |  |  | |  | |  | |  | |
| 4. Goat |  |  |  |  | |  |  | |  | |  | |  | |
| 5. Sheep |  |  |  |  | |  |  | |  | |  | |  | |
| 6. Pigs |  |  |  |  | |  |  | |  | |  | |  | |
| 7. Oxen |  |  |  |  | |  |  | |  | |  | |  | |
| 8. Chicken |  |  |  |  | |  |  | |  | |  | |  | |
| 9. Camel |  |  |  |  | |  |  | |  | |  | |  | |
| 10. Other (specify\_\_\_\_) |  |  |  |  | |  |  | |  | |  | |  | |

**3.3 LIVESTOCK PRODUCTS**

|  |  |  |  |
| --- | --- | --- | --- |
| 3.3.1 Own livestock products | 3.3.2 Quantity for own use (kg/year) | 3.3.3 Quantity sold(kg/yr) | 3.3.4 Price per unit |
| Milk |  |  |  |
| 1. Milk |  |  |  |
| 1. Milk Products (Cheese) |  |  |  |
| 1. Milk Products (Yogurt) |  |  |  |
| 1. Milk Products (Other) |  |  |  |
| *Meat (slaughtering)* |  |  |  |
| 5. Beef |  |  |  |
| 6. Sheep |  |  |  |
| 7. Goat |  |  |  |
| 8. Pigs |  |  |  |
| 9. Chicken |  |  |  |
| 10. Other (specify) |  |  |  |
| Other products |  |  |  |
| 11. Eggs |  |  |  |
| 12. Wool |  |  |  |
| 13. Leather |  |  |  |
| 14. Cashmere |  |  |  |
| 14. Other (specify\_\_\_\_\_\_\_) |  |  |  |

**3.4 LABOR FOR LIVESTOCK**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 3.4.1.2. Herding | | | 3.4.1.3. Milking | | | 3.4.1.4. Shearing | | | 3.4.1.5. Other | | |
| Annual | a. No | b. Avg. Hrs/Week | c. Weeks | a. No | b. Avg. Hrs/Week | c. Weeks | a. No | b. Avg. Hrs/Week | c. Weeks | a. No | b. Avg. Hrs/Week | c. Weeks |
| Household Adults |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Household Children |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Hired |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |

**3.4.2 What is wage rate per hour for hired labor? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |
| --- |
| IV. GENERAL: All farmers should answer |

**4.1 FARM LAND VALUE**

4.1.1 If this farm did **not** include any buildings, equipment and livestock, what is its approximate value of the land? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4.1.2 **Including** the land, buildings, equipment and livestock, what is the approximate value of this farm? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**4.2** Can you please tell us the **TOTAL COSTS OF THE FOLLOWING ACTIVITIES** (per year):

|  |  |  |  |
| --- | --- | --- | --- |
| Code | Type | 4.2.1. Crops Harvested | 4.2.2 Livestock |
| 1 | Transport costs | 4.2.1.1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 4.2.2.1\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 2 | Packing/marketing | 4.2.1.2\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 4.2.2.2\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 3 | Storage costs | 4.2.1.3\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 4.2.2.3\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 4 | Post-harvest losses | 4.2.1.4\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 4.2.2.4\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 5. | Other (*please specify*)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 4.2.1.5\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 4.2.2.5\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**4.3 FARM WAGE RATES**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 4.3 | Farm Wage Rates | Hired Labor for Farm | | | Hired Labor for Livestock | | |
|  |  | Adult Male | Adult  Female | Children | Adult  Male | Adult  Female | Children |
| 4.3.1 | Average **wage/day** | 4.3.1.4 | 4.3.1.5 | 4.3.1.6 | 4.3.1.7 | 4.3.1.8 | 4.3.1.9 |
|  |  |  |  |  |  |
| 4.3.2 | Monthly amount of in kind payments |  |  |  |  |  |  |
| 4.3.3 | Type of in kind payment |  |  |  |  |  |  |

**4.4** Please provide information on the **BUILDINGS** used to support agriculture production activities (table below)

|  |  |  |  |
| --- | --- | --- | --- |
| 4.4.1  Building No. | 4.4.2 Purpose  (*Interviewer: Please allow for multiple responses*) | 4.4.3 Area (square meters) | 4.4.4 Value |
| Building 1 |  |  |  |
| Building 2 |  |  |  |
| Building 3 |  |  |  |
| Building 4 |  |  |  |
| Building 5 |  |  |  |
| Building 6 |  |  |  |
|  | KEY for 4.4.2  1: Storage of crops  2: Chickens  3: Other livestock  4. Greenhouse  5. Farmhouse  6. Living quarters for workers  7. Equipment storage  8. Other (specify) |  |  |

**4.5 TRANSPORTATION**

4.5.1 How far must you travel to ***sell*** your harvest? (a) In distance:\_\_\_\_\_\_\_\_\_(km.); **or** (b)\_\_\_\_\_\_\_\_\_\_in time (hrs)

4.5.2 What transport do you use to get your output to the market?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Key for 4.5.2**

1. walk; 2.animal; 3.cart; 4.truck or other motorized vehicle; 5. other(specify)

4.5.3 How far must you travel to buy your inputs? In distance: (a)\_\_\_\_\_\_\_\_\_(km.); **or** (b)\_\_\_\_\_\_\_\_\_\_\_\_\_ in time (hrs)

**4.6 ORGANIZATION**

4.6.1 Do you belong to any organization that helps the farm sell the outputs?\_\_\_\_\_\_\_\_\_( **Key for 4.6.1** 1-No; 2-Yes)

4.6.2 Do you belong to any organization that helps provide inputs including water, fertilizer, seeds, etc. \_\_\_\_\_\_\_\_\_( **Key for 4.6.2** 1-No; 2-Yes)

**4.7 EXTENSION SERVICE**

|  |  |  |
| --- | --- | --- |
| 4.7.0. Have you utilized any kind of advisory or extension service that provides technical farm and/or livestock input? | If No 🡪 Skip to 4.8 HOUSEHOLD INCOME | 1 = No, 2 = Yes |

|  |  |  |
| --- | --- | --- |
|  | A. For Crop production | B. For Livestock activities |
| 4.7.1 Do you get information and advice from extension workers?  **KEY for 4.7.1:** 1-No; 2-Yes | 4.7.1a: | 4.7.1b: |
| 4.7.2 How many times do they visit you per year? | 4.7.2a: | 4.7.2b: |
| 4.7.3 Do you pay for receiving extension advise?  **KEY for 4.7.3:** 1-No 2-Yes ((*if no, go to Q. 5.1.4)* | 4.7.3a: | 4.7.3b: |
| 4.7.4 How much do you pay annually for extension? | 4.7.4a: | 4.7.4b: |
| 4.7.5 Which organization provides extension? | 4.7.5a: | 4.7.5b: |
| **KEY for 4.7.5** 1. Government Agency (national)  2. Government agency (regional/local)  3. Cooperatives  4. Private extension groups  5. NGO  4. Input companies  5. Marketing companies  6. Other (specify) |  |  |

4.7.6 If you get any technical assistance and advice from other sources apart from official extension workers, from where do you receive the necessary information? \_\_\_\_\_\_\_\_\_\_

**KEY for 4.7.6**: (1:Media; 2:Neighboring farmers 3:Shopkeepers ; 4: Others (please specify))

**4.8 HOUSEHOLD INCOME**

4.8.1 What is your ***tota***l household net income **from ALL activities** in 2012? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

(*NB: use income table if necessary*)

4.8.1.1 In 2012, what ***percent*** of total household income is from on-*farm* activities? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4.8.2 If 2012 was not a normal weather year, what is your average ***total***net household income in a ***normal a year***?\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (*NB: use income table if necessary*)

4.8.2.1 In a ***normal average year***, what ***percent*** of total household income is from *farm* activities? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |
| --- | --- | --- |
| 4.8.3 | How much **TAX** has your household paid for the following over the period from July 1st 2003 to June 30th 2004? | |
| 4.8.3.1 | Income Taxes |  |
| 4.8.3.2 | Property Taxes |  |

4.9 Over the last ten years, have you ever borrowed funds for farming? (1=No, 2=Yes) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

If your answer was yes, which of the following sources provided the funds?

|  |  |
| --- | --- |
| 4.9.0 Source | 4.9.1 |
|  | **KEY for 4.9.1: (**1: No; 2: Yes) |
| 1.Relatives | 4.9.1.1:\_\_\_\_\_\_\_\_\_ |
| 2.Commercial banks | 4.9.1.2: \_\_\_\_\_\_\_\_\_ |
| 3.Farmer associations/ co-operatives | 4.9.1.3: \_\_\_\_\_\_\_\_\_ |
| 4.Thrift and Loan Society | 4.9.1.4: \_\_\_\_\_\_\_\_\_  4.9.1.5:\_\_\_\_\_\_\_\_\_\_ |
| 5. Friends  6.Others (specify)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 4.9.1.6: \_\_\_\_\_\_\_\_\_ |

This section **must** be completed after the interview is completed. Given the importance of the following data for mapping and tracking purposes, please ensure it is filled out accurately.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Instructions: This section to be filled out by the interviewer.** | | **Time Interview Ended:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | | | |
|  |  |  |  |  |  |  | | |
| Name of interviewer:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (this information is important to validate survey responses and will be used to cross check in the event that there are unusual observations during the analysis of the data) | | | | | | | | |
|  |  |  |  |  |  |  | | |
| Date of interview (mm/dd/yr) |  |  |  |  |  | **Location of Farm** | |
|  |  |  |  |  |  |  |  |
| Respondent Households’ identification number  (Unique Household ID- should be assigned prior to interview) |  |  |  |  |  | Country |  |
| (1=interview 1, 2=interview 2,…….n=survey n) for each district |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| **GPS Location:** |  |  |  |  |  | State/Province/Department |  |
| Latitude |  |  |  |  |  |  |  |
| Longitude |  |  |  |  |  | District/Municipal Name |  |
| Altitude |  |  |  |  |  |  |  |
|  |  |  |  |  |  | District Code |  |
|  |  |  |  |  |  |  |  |
|  |  | | | |  | Village |  |
|  |  |  |  |  |  |  |  |

***Optional: Address \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***

***\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_***