**Sri Lanka Environmental and Agricultural Decision-making Survey—Household Questionnaire**

**(SEADS-HH)**

The SEADS survey project include household (SEADS-HH) and community (SEADS-C) questionnaires. The SEADS is a component of the ADAPT-SL project (<https://my.vanderbilt.edu/srilankaproject/>), a collaboration between Vanderbilt University (USA) and the National Building Research Organization (Sri Lanka) (affiliated to the Ministry of Disaster Management). The ADAPT-SL project is funded by the US National Science Foundation.

**SEADS Contributors** (alphabetical order)**:** Bazuin, Joshua; Berry, Steven; Burchfield, Emily; Carrico, Amanda R.; Cooray, Rohan; Dhamruwan, Malaka; Frazer, James; Gilligan, Jonathan; Greene, Ashley; Gunda, Thushara; Hornberger, George; Jacobi, John; Munasinghe, Dayan; Stone, Elizabeth; Sugathapala, Kishan; Thabrew, Lanka; Truelove, Heather B.

**Please direct all questions about the use or development of SEADS-HH instrument to: Heather Barnes Truelove, PhD, Department of Psychology, University of North Florida,** [**h.truelove@unf.edu**](mailto:h.truelove@unf.edu)**.**

**Household Identifiers**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | Community Name and ID # | (a) Name:  (b) ID #: | |
| 2 | Farmers Society List ID # (e.g. 1-400) |  | |
| 3 | Selected Farmer’s ID # (1-45) |  | |
| 4 | If Mahaweli, Plot ID # (Mahavali) |  | |
| 5 | Date (Year/Month/Date) |  | |
| 6 | Time (24 Hrs) |  | |
| 7 | Interviewer Name & Code |  |  |
| 8 | Supervisor Name & Code |  |  |

**Section 1: Household Characteristics** [respondent = Household member, except HH1 as identified]

|  |  |  |
| --- | --- | --- |
| **Table HH 1 : Background** | | |
| **Q: Firstly, we would like to know about how you started farming activities. I would like to know about you and your spouse. Could you please provide some details? If spouse is deceased or farmer is unmarried, state as NA.** | | | | | | | | | | | |
|  | Respondent  (a) | Farmer's Village  (b) | | | | Did your father farm?  (c)  1 = Yes  2 = No | Did your grandfather farm?  (d)  1 = Yes  2 = No | How many years have you been a farmer?  (e) | What is your Household's Settlement Category?  (f)  1 = Traditional people  2 = Encroachers  3 = Resettled in scheme from elsewhere by MDP  4 = Displaced by MDP & Resettled  5 = Other Specify \_\_\_\_ | What is your Religion?  (g)  1= Buddhism  2 = Hinduism  3 = Islam  4 = Roman Catholic  5= Other Christianity  6= Other Specify \_\_\_\_\_ | What is your Ethnicity?  (h)  1= Sinhalese  2= Sri Lankan Tamil  3= Indian Tamil  4= Sri Lankan Moor  5= Burgher  6= Malay  7= Sri Lanka Chetty  8= Bharatha <I>  9= Other Specify | |
| Respondent  (a) | Were you born in this village?  (1)  1= Yes >> (c)  2=No >> (b)2 | | Where were you born?  (2) | When did you come to this village? (year)  (4 digits)  (3) |
| 1 | **Farmer** | 1 2 | | 2.1 GN \_\_\_\_\_\_\_\_\_\_\_ 2.2 DS/ AGA  \_\_\_\_\_\_\_\_\_\_\_ |  | 1 2 | 1 2 |  | 1 2 3 4 | Code | Code | |
| 2 | **Spouse** | 1 2 | | 2.1 GN \_\_\_\_\_\_\_\_\_\_\_ 2.2 DS/ AGA  \_\_\_\_\_\_\_\_\_\_\_ |  |  |  |  |  | Code | Code | |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table HH 2 : Demographic Information** | | | | | | | | | | | |
| **Q: Could you please give me the following details about: the farmer, the spouse, children whether or not they live at this residence, and all others living in the household.**  ***INTERVIEWER: Do not include individuals who are deceased.*** | | | | | | | | | | | |
| Member #  (a) | Name  (short/familiar, what is used in the HH) | Relation to farmer  (b)  1 = Farmer (self)  2 = Spouse  3 = Son/daughter  4 = Father/mother  5 = Brother/sister  6 = Niece/nephew  7 = Uncle/aunt  8 = Cousin  9 = Grandfather/grandmother  10 = Grandson/granddaughter  11 = Stepson/stepdaughter  12 = Stepbrother/stepsister  13 = Stepmother/stepfather  14 = Son-in-law/daughter-in-law  15 = Brother-in-law/sister-in-law  16 = Father-in-law/mother-in-law  17 = Other blood relative  18 = Other relative by marriage  19 = Non-relative  20 = Adopted/foster child | Gender  (c)  1= Male  2=Female | What is …’s Age?  (d) | Highest level of education completed  (e)  1= No Schooling  2 = Primary  3 =Secondary  4 = Passed G.C.E (O/L) or equivalent  5= Passed G.C.E (A/L) or equivalent  6= Passed GAQ/GSQ  7= Passed Degree  8= Passed Post Graduate Degree/Diploma  9= Special Education unit  10 = Not yet of education age | Is … still in education?  (f)  **1=Yes; 2=No**  **3 = N/A** | Where does … live?  (g)  1=Within household  2 = Within GN Division  3=Within DS Division  4=Within District  5=Out of district, within SL (specify town\_\_\_)  6=Out of SL (specify country\_\_\_) | | Is … involved in any economic activity (irrespective of payments) including family economic activities for the last 6 months?  (h)  1 = Yes >> (i), (j)  2 = No >> Move to next member | What is ….’s Primary occupation?  (i) | What is …’s Secondary occupation?  (j) |
| (1)  Code | (2)  Village/ Country Name |
| 1 |  | Farmer | 1 2 |  | Code | 1 2 | Code |  |  | open-ended | open-ended |
| 2 |  | Code | 1 2 |  | Code | 1 2 | Code |  |  | open-ended | open-ended |
| 3 |  | Code | 1 2 |  | Code | 1 2 | Code |  |  | open-ended | open-ended |
| 4 |  | Code | 1 2 |  | Code | 1 2 | Code |  |  | open-ended | open-ended |
| 5 |  | Code | 1 2 |  | Code | 1 2 | Code |  |  | open-ended | open-ended |
| 6 |  | Code | 1 2 |  | Code | 1 2 | Code |  |  | open-ended | open-ended |
| 7 |  | Code | 1 2 |  | Code | 1 2 | Code |  |  | open-ended | open-ended |
| 8 |  | Code | 1 2 |  | Code | 1 2 | Code |  |  | open-ended | open-ended |
| 9 |  | Code | 1 2 |  | Code | 1 2 | Code |  |  | open-ended | open-ended |
| 10 |  | Code | 1 2 |  | Code | 1 2 | Code |  |  | open-ended | open-ended |

**Section 2: Household Assets and Characteristics** [respondent = household member]

|  |  |  |
| --- | --- | --- |
| **Table HAC 1: Household Assets, Equipment and Facilities** | | |
| **Q: I will read out a list of items. Please tell me if your household has any of the following for household purposes.** | | |
| **Appliances** | | **1 = Yes; 2 = No**  **Or Number (enter 0 for none)**  (a) |
| 1 | Electricity (any source) <Q,R,S,> | 1 2 |
| 2 | TV <Q, R, S> | 1 2 |
| 3 | Radio or stereo <Q, R, S> | 1 2 |
| 4 | Refrigerator/Freezer <R, S> | 1 2 |
| 5 | Phone (landline or mobile) | No. |
| **Furniture** | | |
| 6 | Almirah (clothes cupboard) | 1 2 |
| 7 | Wooden Set (sofa, two chairs, tables) | 1 2 |
| **Transportation Modes <H>** | | |
| 8 | Bicycle <Q, R, S> | No. |
| 9 | Car/Van/Bus/Truck <Q, R, S> | No. |
| 10 | Motor cycle/ Scooter <R, S> | No. |
| 11 | Tuk-Tuk | No. |
| **Livestock <H>** | | |
| 12 | Cattle/Buffaloes | No. |
| 13 | Goats | No. |
| 14 | Swine (pigs) | No. |
| 15 | Poultry | No. |

|  |  |  |  |
| --- | --- | --- | --- |
| **Table HAC2: Farm Assets** | | | |
| **Q: I will read out a list of equipment normally used for agricultural activities. Please tell me if you own or have access to these (rented or borrowed from someone else).** | | | |
|  | **Equipment** | **Is … used by famer?**  (a)  1=Yes; 2=No | **How?**  1 = Owns  2 = Rented  3= Borrowed  3 = Others (specify \_\_\_\_\_\_\_\_)  (b) |
| 1 | Tractor (Hand Tractor/Two wheel) <H> | 1 2 | 1 2 3 4 |
| 2 | Tractor (Four wheel) <H> | 1 2 | 1 2 3 4 |
| 3 | Sprayer <H> | 1 2 | 1 2 3 4 |
| 4 | Water Pump <H> | 1 2 | 1 2 3 4 |
| 5 | Thresher (AgroTec) <H> | 1 2 | 1 2 3 4 |
| 6 | Combine harvester- Ghost | 1 2 | 1 2 3 4 |
| 7 | Combine harvester- Tsunami | 1 2 | 1 2 3 4 |
| 8 | Combine harvester- Other | 1 2 | 1 2 3 4 |
| 9 | Do you have a designated grain storage area? |  | 1 = Yes, inside house  2 = Yes, outside house  3 = No |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Table HAC 3: Housing Structure**   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | 1 | What is the Type of Housing Structure?  1 =Single house  2 = Flat  3 = Attached house/Annex  4 = Line room/Row house  5 = Slum/Shanty  6 = Other (specify) | 2. What is the total width and length of house | | 10 | Is the Kitchen located inside the house or outside the house?  1=Inside the house  2=Outside the house | | **Length**  **(a)** | **Width**  **(b)** | | **Total sq. ft.**  **(c)** | | | 3 | What is the Year of Construction? | 4. Number of Stories | | 11 | Is the Toilet inside the house or outside the house?  1=Inside the house  2=Outside the house | | 5 | Foundation  1 = Rubble foundation  2 = Reinforced foundation  3 = Other (specify) | | | 12 | I will read out a few types of toilet. Please tell me what is the type of Toilet?  1 = Water seal - connected to a pit/septic tank  2 = Water seal - connected to a piped sewer  3 = Not water seal  4 = Direct pit  5 = No facilities  6 = Other (specify) | | 6 | Wall (MA, mainly used materials)  1 = Brick  2 = Cabook  3 = Cement block  4 = Pressed soil blocks  5 = Mud  6 = Plank / Metal Sheet  7 = Cadjan / Palmyrah  8 = Other (specify) | | | 13 | What Energy Source do you use mainly for Lighting (MA)  **1 = Kerosene**  2 = Electricity (CEB)  3 = Solar energy  4 = Generator/ Battery  5 = Other (specify) | | 7 | Roof (MA, mainly used materials)  1 = Tile  2 = Asbestos  3 = Concrete  4 = Metal Sheet  5 = Cadjan / Palmyrah / Straw  6 = Other (specify) | | | 14 | What Energy Source do you use mainly for Cooking? (MA)  1 = Fire wood  2 = Gas  3 = Kerosene  4 = Electricity  5 = Saw dust/Paddy husk  6 = Other (specify) | | 8 | Floor (MA, mainly used materials)  1 = Earth floor  2 = Dung floor  3 = Wood floor  4 = Polished wood/ parquet floor  5 = Ceramic/ tiles/ brick floor  6 = Cement floor  7 = Carpet floor  8 =Other | | | | 9 | What is the Number of Rooms (including bedrooms and other rooms including kitchen) | | | |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Table HAC 4: Primary Source of Drinking Water** | | | | |
| **Q: Please tell me what are the main sources of water used by the household for drinking.** | | | | |
| **Source  (a)**  1 = Streams/River/Canal  2 = Dug well; Protected well within premises  3 = Dug well; Protected well outside premises  4 = Dug well; Unprotected well  5 = Pipe borne water (main line – National Water Supply and Drainage Board)  6 = Rural Water Supply Project  7 = Tube Well  8 = Bowser  9 = Tank/Lake  10 = Rain water  11= Bottled water  12= Agro well  13=Spring  14= Other Specify \_\_\_\_\_\_\_\_\_\_\_ | | **Who owns?**  **(b)**  1=Owned by household  2=Community  3=Privately owned by someone other than household  4=Commercial  5= Government (Mahaweli Authority, Pradeshiya Sabha etc.)  6=NGO  7=Other\_\_\_\_\_\_\_ | **Season used?  (c)**  1=Maha  2=Yala  3=Year round  4= During times of water scarcity  5=Other\_\_\_\_\_\_\_\_\_ | **Travel time to source by foot [min]  (d)** |
|
| 1 |  |  |  |  |
| 2 |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **If source is a well [If source isn’t a well, skip to next table]**  **(e)** | | | |
| **Well Depth (enter feet)**  **(1)** | | **How many times did the well run dry in the last five years?**  **(2)** | **Are you worried well will run dry in the next five years?**  **(3)**    **1=Yes; 2=No; 3 = Don’t Know/ Can’t Say** |
| 1 |  |  | 1 2 3 |
| 2 |  |  | 1 2 3 |

**Section 3: Finance** [respondent = farmer]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Table FIN 1: Farm Expenditures** | | | | |
| **Q: I will now ask you about farm-related expenditure and earnings.** | | | | |
| 1. **Farm Expenditures and Earnings per Season/Crop** | | | | |
| **Q: Tell us about your earnings/ expenditure for the following seasons/crops.**  **INTERVIEWER: Discuss the amount that is spent and earned by the household from their farm. Extract the values to be entered in each category shown below. Spontaneous. If exact amounts are not known, enter estimated amounts. If the farmer does not cultivate one of these seasons/crops, enter NA.** | | | | |
|  | Total expenditures (Rs)  (a) | | Total earnings (Rs)  (b) | |
| 1. Maha paddy crop |  | |  | |
| 1. Yala paddy crop |  | |  | |
| 1. Normal land/chena (or others) crop (annual) |  | |  | |
| |  |  | | --- | --- | | **Table FIN 2 - Total Family Income** | | | **1** | **Rs.** | | Q: What is the total income that your household makes in a year (12-month period). This includes any income your household makes from paid employment, your farm (as mentioned previously), a business, remittances (internal or external), etc.  INTERVIEWER: Spontaneous only |  |   **Table FIN 3: Insurance** | | | |
| **Q: Do you or your family members have the following types of insurance?**  **1 = Yes; 2 = No** | | | |
| 1. Vehicle | | 1 2 | |
| 1. Life | | 1 2 | |
| 1. Property | | 1 2 | |
| 1. Home | | 1 2 | |
| 1. Cropland | | 1 2 | |
| 1. Farmer's Pension | | 1 2 | |
| 1. Other, Specify | | | |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table FIN 4: Household Debt**  1. Filter question: Does your household have any debt from any source? These are loans which need to be paid.  1 = Yes >> Go to question 2  2 = No >> move to next table   |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | | No. of loan  (a) | Purpose?  (b) | Sources  (c) | How much did you receive?  (d) | Loan Term  (e) | Interest rate  (f) | | |  | 1 = consumption,  2 = education fee,  3 = ag production,  4 = startup or expand non-farm enterprises,  5 = migration,  6 = house construction,  7 = marriage,  8 = funeral,  9 = health,  10 = others (specify) | 1= private commercial bank,  2 = government commercial bank, 3=rural bank, 4=samurdhi,  5=sanasa,  6=rural development bank,  7=Special projects, e.g. Divi Neguma  8= friends/neighbor,  9 = private loaner, 10=cooperatives, 11=from working place (i.e., formal sector employers),  12=others (specify) | *Rupees* | *Months*  **INTERVIEWER: if giving in season, or any other time period, convert to number of months**  **99 if no fixed term** | *%* | *Unit*  *1=yearly*  *2=monthly*  *3=seasons*  *4=other (specify).* | | 1 |  |  |  |  |  |  | | 2 |  |  |  |  |  |  | | 3 |  |  |  |  |  |  | | 4 |  |  |  |  |  |  | | 5 |  |  |  |  |  |  | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Table FIN 5: Paddy Sold, Owed, Exchanged or Consumed** | | | | | | |
| Q: In the last season, how did you use your paddy yield? How many bushels were sold? How many bushels were used for paying promises/ debt? How much was used for family consumption?  What is the expected yield to be sold, to settle loans/ promises and expected selling price? | | | | | | |
|  | **Last Yala**  **(a)** | | | **This Maha**  **(b)** | | |
| **Use** | **Bushels**  **(1)** | **To whom**  **(2)**  1 = Millers  2 = PMB (Paddy Marketing board) Center <P>  3 = Co-operative Center <P>  4 = Mobile Buyers <P>  5 = Gov Officials  6 = General Consumers (e.g., farmer's market)  7 = Other (specify\_) | **Market Price**  **(per kg)**  **(3)** | **Bushels**  **(1)** | **To whom**  **(2)**  1 = Millers  2 = PMB (Paddy Marketing board) Center <P>  3 = Co-operative Center <P>  4 = Mobile Buyers <P>  5 = Gov Officials  6 = General Consumers (e.g., farmer's market)  7 = Other (specify\_\_) | **In your opinion, will the Market Price increase, stay the same or decrease compared to the last Yala?**  **(3)**  1 = Will decrease  2 = Will stay the same  3 = Will increase  4 = Don’t know  5 = Can’t say |
| 1. Sold /Will Sell |  | Code |  |  | code | 1 2 3 4 5 |
| 1. Owe(d) as debt/ Exchanged |  | Code |  |  | code | 1 2 3 4 5 |
| 1. Consume(d) by family |  |  |  |  |  |  |

**Section 4: Land Holdings and Characteristics** [respondent = farmer]

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table LAN 1: Agricultural Land Tenure** | | | | | | | | | | | | | |
| **Q: I will now ask you about any agricultural land that your household members hold.** | | | | | | | | | | | | | |
| **Land Number** | **Land Name**  **(a)**  **INTERVIEWER:** include a landmark which will make the land easy to identify | | **Area  [acres]  (b)** | **Type  (c)**  1= Paddy  2= Chena  3= High land  4= Commercial | **Tenancy  (d)**  1= Own  2= Rent/Lease-government owned  3= Rent/Lease- Privately owned/ “Anda”/ “Porondu”  4 = Shared: “Thattu/ kattu maaru”  5= Occupied free of rent  6= Other Specify | **Year Acquired**  **(4 digits) (e)** | **Location  (f)**  1 = in this GN  2 = outside GN -write in\_\_\_\_ | **Distance from home  [m of route traveled]  (g)** | **How do you irrigate this land during the Maha Season?  (h)** MA | | | **How do you irrigate this land during Yala Season?  (i)MA** | |
| 1=Major Scheme; Mahaweli Authority  2=Major Scheme; Irrigation Department  3=Minor tank/Village Tank in Cascade  4=Minor tank/Village Tank, isolated tank  5=Minor tank/Village tank, Mahaweli Water  6=Agro-well  7=Rainfed only/No irrigation  8 = Aniket  9=Other (specify\_\_\_) | | | | |
| 1 |  |  |  | 1 2 3 4 | 1 2 3 4 5 |  | ` | ```````` | ` | ` |  | |  |
| 2 |  |  |  | 1 2 3 4 | 1 2 3 4 5 |  | 1 2 |  |  |  |  | |  |
| 3 |  |  |  | 1 2 3 4 | 1 2 3 4 5 |  | 1 2 |  |  |  |  | |  |
| 4 |  |  |  | 1 2 3 4 | 1 2 3 4 5 |  | 1 2 |  |  |  |  | |  |
| 5 |  |  |  | 1 2 3 4 | 1 2 3 4 5 |  | 1 2 |  |  |  |  | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table LAN 2: Tank/ Canal Irrigation** | | | | | | | | | | | | | |
| **Q: Can you please give me further details about each piece of agricultural (paddy and other) land that is irrigated with a major or minor tank? (where LAN 1 (h) or (i) is not coded as 6 or 7)** | | | | | | | | | | | | | |
| **Land # (from Table [Land Tenure]** | **Name and/or # of Tank/ Canal?**  **(a)** | | | **Location on field canal?**  **(b)**  **1= Head-End Fields**  **2= Middle Fields**  **3= Tail-End Fields** | **How satisfied are you with the amount of irrigation water you receive? SHOW CARD 1**  **(c)**  1= Not satisfied  2= Somewhat satisfied  3= Very satisfied | | | **In the last 5 years, what percentage of the time does released irrigation water fail to reach your field because it has all been used? (%)**  **(d)** | | | **In the last 5 years, how many seasons did you not get enough water to produce a successful crop? (actual #)**  **(e)** | | **(only paddy land)**  **When flooding, what depth of water do you maintain … in this field? [use ruler](inches)**  **(f)** |
| **(1)**  **#** | **(2)**  **Name** | | **Maha**  **(1)** | | **Yala**  **(2)** | **Maha**  **(1)** | | **Yala**  **(2)** | **Maha**  **(1)** | **Yala**  **(2)** |
| 1 |  |  | | 1 2 3 | 1 2 3 | | 1 2 3 |  | |  |  |  |  |
| 2 |  |  | | 1 2 3 | 1 2 3 | | 1 2 3 |  | |  |  |  |  |
| 3 |  |  | | 1 2 3 | 1 2 3 | | 1 2 3 |  | |  |  |  |  |
| 4 |  |  | | 1 2 3 | 1 2 3 | | 1 2 3 |  | |  |  |  |  |
| 5 |  |  | | 1 2 3 | 1 2 3 | | 1 2 3 |  | |  |  |  |  |
|  | | |  | | |
|  | | |  | | |  | | |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table LAN 3: Agro-well Irrigation** | | | | | | | | | | |
| Q: Can you please give me details about each agro-well that is owned by the house? (where LAN 1 (h) or (i) = 6) | | | | | | | | | | |
| Well # | Land # from Table Land Tenure that is irrigated by well (all that apply)  (a) | When was the agro well installed? (year)  (b) | How deep is the well? (feet)  (c) | Who owns the agro well?  (d)  1=Respondent/ household  2=Privately owned by someone outside of household  3=Collectively owned by community members  4=Other (specify\_\_\_) | Cost to household (material + labour) to **establish**/"buy-in" to well?  (e) | Who maintains this well? (enter response)  (f) | In the last 5 years, what percentage of the time has there been insufficient water in this agro-well to irrigate your … land? (%)  (g) | | In the last 5 years, how many seasons did you not get enough water to produce a successful crop? (number  (h) | |
| Maha  (1) | Yala  (2) | Maha  (1) | Yala  (2) |
| 1 |  |  |  | Code |  |  |  |  |  |  |
| 2 |  |  |  | Code |  |  |  |  |  |  |
| 3 |  |  |  | Code |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Table LAN 4: Rainfed Land** | | | | | |  | | | | |  | | |
| **Q: Can you please give me further details about each land held by the house which is only rainfed? (where LAN 1 (h) or (i) =7)** | | | | | | | | | | | | | |
| In the last 5 years, how many seasons has there been insufficient rainfall to produce a successful crop? (actual #)  (a) | | | | | | Do you believe you have the ability to influence the rainfall that you receive? **SHOW CARD 2** [If "Not at all" move to next table]  (b) | | | | | | How are you able to influence the rainfall? (explain)  **INTERVIEWER: Spontaneous**  (c) | |
| Maha  (1) | | | Yala  (2) | | |
|  | | |  | | | 1=Not at all 2=Somewhat 3=Very much | | | | | |  | |
|  | |
| **Table LAN 5: Water Quality** | | | | | | | |
| **Q: I will now ask you about irrigation water quality…** | | | | | | | | | |
| 1 | Have you ever had your irrigation water tested by a professional? | | | (1 = Yes; 2 = No) | | | | | | | | |
| 2 | Do you think that the quality of your irrigation water might negatively affect your crop? | | | 1. = Yes; 2 = No)   *If no, skip to next table.* | | | | | | | | |
| 3 | What would you guess the source(s) of that/ those problem/s to be? Select all that apply.  INTERVIEWER: Do not read out answers | | | Salt  1 | Fertilizer  2 | | Herbicide  3 | | Insecticide  4 | Other (specify: \_\_\_\_\_\_\_\_\_\_\_\_)  5 | | |
| 4 | What have you done to address this problem with water quality? | | | | | | | | | | | |

**Section 5: Farming Practices and Beliefs** [respondent = farmer]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Table FAR 1: Paddy Cultivation** | | | |
| **Q: I will now ask you a few questions about all paddy land that you hold. Tell me. In a typical Maha , … ask 1-13. Ask whether anything happened differently this Maha and mark whatever is mentioned spontaneously. Do the same for typical Yala as was done for typical Maha.** | | | |
| **Question** | **Typical Maha**  **(a)**  **1 = Yes; 2 = No** | **Are doing anything differently this Maha compared with typical Maha (as mentioned)?**  **(b)**  **1 = Yes; 2 = No; 3 = No change** | **Typical Yala**  **(c)**  **1 = Yes; 2 = No** |
| 1 | How much of your land do you cultivate with paddy? [acres] |  |  |  |
| 2 | How many months do your paddy seedlings take to grow? (enter durations in months, i.e., 2.0, 2.5, 3.0) |  |  |  |
| 3 | What type of paddy do you normally grow? (Nadu, Samba etc.) (maximum 2) |  |  |  |
| 4 | Do you use drought resistant seeds? | 1 2 | 1 2 3 | 1 2 |
| 5 | Do you use flood resistant seeds? | 1 2 | 1 2 3 |  |
| 6 | Do you use traditional seed varieties? | 1 2 | 1 2 3 | 1 2 |
| 7 | What is your paddy yield from this land? (bushels) |  |  |  |
| 8 | How much of your paddy land do you cultivate with crops other than rice? [acres] |  |  |  |
| 9 | (if other crops are cultivated) what crops? [**Use “Other Field Crops” codes**] | Code | Code | Code |
| 10 | Do you apply organic fertilizer to your paddy fields? | 1 2 | 1 2 3 | 1 2 |
| 11 | Do you apply chemical/synthetic fertilizer to your paddy land? | 1 2 | 1 2 3 |
| 12 | Do you apply herbicide to your paddy land? | 1 2 | 1 2 3 |
| 13 | Do you apply insecticide to your paddy land? | 1 2 | 1 2 3 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Table FAR 2: Non-Paddy Farmland Cultivation** | | | |
| Q: Could you please tell me about the other field crops that you cultivate on all non-paddy land in a typical season and your plans to cultivate next year.  INTERVIEWER: Use the **Other Field Crops Codes**. | | | |
| Typical Season  (a)  (write down answer and put the codes later) | Code | Plans for Next Season  (b)  (write down answer and put the codes later) | Code |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Table FAR 3: Other Field Crops Sold** | | | | | | | |
| **Q: On all lands, which field crops (other than paddy) produced the most income?**  **INTERVIEWER: Use "other field crops" codes. If no field crops were grown, write as Not Applicable and skip to next table.** | | | | | | | |
|  | Last season (in which harvested)  (a) | | | | | Next season (expected)  (b) | |
|  | Crop  (write down answer and put the codes later)  (1) | Yield  (2) | | Market Price  (3) | | Crop  (1) | Market Price  (2)  1= will decrease  2= will stay the same  3= will increase  4= don’t know  5 = can’t say |
|  |  | Unit  (a) | Amount  (b) | Lowest Price  (a) | Highest Price  (b) |
| 1 | Code |  |  |  |  | Code | 1 2 3 4 5 |
| 2 | Code |  |  | x | x | Code | 1 2 3  4 5 |
| 3 | Code |  |  | x | x | Code | 1 2 3  4 5 |

**Section 6: General Agriculture Questions** [respondent = farmer]

|  |  |  |
| --- | --- | --- |
| **Table GAQ 1: Fertilizer, Pesticide, and Herbicide Perceptions**  For questions 1-9 please think about paddy faming and usage of agro-chemicals etc. | | |
|  | | |
| 1 | In the past 20 years, has your use of chemical fertilizers changed? **SHOW CARD 3** | 1 = decreased  2 = no change  3 = increased |
| 2 | If you have access, are you willing to apply organic fertilizers?  (1 = Yes; 2 = No) | 1 2 |
| 3 | Have you heard of government or supplier recommended application rates for fertilizer, insecticides and herbicides? | 1 = Yes >> Continue  2 = No >> 7 |
| Do you follow the government/supplier recommended application rates for fertilizer? Or would you say that you apply more or less than recommended? (For insecticides and herbicides, ask for recommended application given on packaging as well).  1 = follow recommendation 2 = apply more 3 = apply less 4= don’t follow recommendation | | |
| 4 | Fertilizer | 1 2 3 4 |
| 5 | Insecticides | 1 2 3 4 |
| 6 | Herbicides | 1 2 3 4 |
| **If you apply fertilizer, pesticides and herbicides, how do you apply them? (MA)**  1 = surface spreading 2 = incorporation | | |
| 7 | Fertilizer | 1 2 |
| 8 | Insecticides | 1 2 |
| 9 | Herbicides | 1 2 |

**Section 7: Environmental Changes and Water** [respondent = farmer]

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Table ENV 1: Perceived Changes in Environment** | | | | | | | |
| Q: Next, I’d like talk with you about some changes in the environment that you may or may not have noticed and changes you expect in the future. | | | | | | | | | | | | | |
|  |  |  | Please tell me if, in your own experience, you’ve noticed a decrease, increase or no change in these environmental conditions over the past 20 years.  **SHOW CARD 3** (a)  1= Decrease 2= No Change 3= Increase 4= Don’t know/ can’t say | | | | | | | In the next 5 years, do you think this will increase, decrease or not change?  **SHOW CARD 3a**  (b)  1= Decrease 2= No Change 3= Increase 4= Don’t know/ can’t say | | | |
|  | **1** | **Temperature (warmth)** | 1 | | | 2 | 3 | | 4 | 1 | 2 | 3 | 4 |
| **Rainfall** | **2** | **The amount of rainfall during Maha** | 1 | | | 2 | 3 | | 4 | 1 | 2 | 3 | 4 |
| **3** | **The amount of rainfall during Yala** | 1 | | | 2 | 3 | | 4 | 1 | 2 | 3 | 4 |
| **4** | **Beginning of Maha rains** | Earlier =1 | | | No change= 2 | Later =3 | | DK/CS = 4 |  | | | |
| **5** | **Predictability of rain** | Less predictable  1 | | | As predictable as before  2 | More predictable  3 | | DK/ CS  4 |
| **6** | **The frequency of drought (a period of severe water shortage, which is more severe than a typical dry season)** | 1 | | | 2 | 3 | | 4 | 1 | 2 | 3 | 4 |
| **Water** | **7** | **Water level in your well (or a nearby well)** | 1 | | | 2 | 3 | | 4 |  | | | |
| **8** | **Amount of water received for irrigation** | 1 | | | 2 | 3 | | 4 | 1 | 2 | 3 | 4 |
| **Cultivation** | **9** | **Rice yields** | 1 | | | 2 | 3 | | 4 | 1 | 2 | 3 | 4 |
| **10** | **Crop pests (insects, wild boars, monkeys, peacocks etc.)** | 1 | | | 2 | 3 | | 4 |  | | |  |
| **11** | **Weeds in paddy or crop lands** | 1 | | | 2 | 3 | | 4 |
| **Other** | **12** | **Human-elephant conflict** | 1 | | | 2 | 3 | | 4 |
| **13** | **Are there any other environmental conditions that I didn’t mention here that you’ve noticed a change in?** | | Write –in | | | | | |
| **14** | **Considering all the issues we’ve just discussed, which of three of these do you consider the biggest challenge to you and your family?** | 1 | |  | | | | |  |
| 2 | |  | | | | |
| 3 | |  | | | | |

|  |  |  |
| --- | --- | --- |
| **Table ENV 2: Drought Times** | | |
| INTERVIEWER: Introduce drought using the prompt below, then work through the following questions | | |
| 1. I would now like to talk about times of drought. Can you please tell me how you define drought? | |  |
| **For the purpose of this discussion, we want to talk about agricultural drought. We would like to use the definition of drought as: A period of time when the amount of water available for you to farm your land is much less than usual for that time of year. For instance, It could be a period of time when there is much less rainfall than normal, or a period of time when not enough irrigation water was delivered to your area. Please us this definition when answering the following questions.** | | |
| 2. When was the last time you experienced a drought? [Enter Year] | |  |
| 3. Based on your experience, how often do droughts occur? | | every \_\_ year(s) |
| 4. Please think about all of the difficulties that your family faces. Thinking about those difficulties, please tell me how much of a problem droughts are for your family?   1. Not at all 2- A little 3- Somewhat 4- Large Problem | | |
| **Next, I would like to talk to you about how you manage during times of drought. A few minutes ago we talked about the way that you typically farm your land. Now I would like to learn about any techniques you use to manage your land during times of drought.** | | |
| 5. In times when there is less water available to irrigate your paddy than what you would like, what actions do you take to protect your crops? **INTERVIEWER: Spontaneous only** | |  |
| 6. In some communities farmers work together to protect their paddy but in other communities that is less common. Do you work with other farmers in your community to protect your paddy against drought? If so, what actions do you take? | |  |
| **Now we want to ask some questions about how you might plan for an upcoming season (this Maha) if you expect a drought will occur.** | | |
| 1. How do you know if the next season is going to be wetter than normal or very dry like a drought? [probe for indigenous knowledge and cues in environment/animals that signal upcoming wetness or dryness] | | |
| 1. Wetter than normal | 1. Dry/ drought-like | |
| 8. How accurately can you predict whether it will be drier than normal during that season (this Maha)?   1. Not very accurately 2- Somewhat accurately 3- Very accurately | | |

|  |  |  |
| --- | --- | --- |
|  |  |  |

**Section 8: Adaptation Practices** [respondent = farmer]

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Table ADP 1: Farm practices** | | | | | | | |
| Instructions: Ask respondents to report on their farm practices | | | | | | | |
| **Q: Now we'd like to talk about specific farm practices you may have tried for any reason.** | | | | | | | |
| **Farm-level adaptation behavior** | | **Have you heard of …? (a)**  **1 = Yes**  **2 = No >> go to next row** | **What do you think about …? Good, bad or neutral?**  **(b)**  1= Bad  2= Neutral (bad and good)  3= Good  **4=Don’t know/ Can’t say** | **Have you ever practiced …?**  **(c)**  1= Yes, Maha  2= Yes, Yala  3= Yes, both  4= No>> **skip to (f)** | **INTERVIEWER: spontaneous only**  **For what purpose …? (MA)**  **(d)**  1 = To increase income  2 = To address water scarcity  3 = I was advised to by an authority (e.g. Ag extension officer)  4 = It is common practice in this area  5 = Other (specify) | **How effective was …?**  **SHOW CARD 2**  **(e)**  1= not at all  2= somewhat  3= very | **Do you intend to practice … in the future?**  **(f)**  1 = Yes  2 = No |
|
| 1 | **Practiced "Bethma"** | 1 2 | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 5 | 1 2 3 | 1 2 |
| 2 | **Practiced "Kakulan"** | 1 2 | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 5 | 1 2 3 | 1 2 |
| 3 | **Practiced "Pangu Kramayai"** | 1 2 | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 5 | 1 2 3 | 1 2 |
| 4 | **Planted other field crops in paddy field** | 1 2 | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 5 | 1 2 3 | 1 2 |
| 5 | **Harvested Rainwater** | 1 2 | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 5 | 1 2 3 | 1 2 |
| 6 | **Planted a short duration seed variety** | 1 2 | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 5 | 1 2 3 | 1 2 |
| 7 | **Planted a drought-resistant seed variety** | 1 2 | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 5 | 1 2 3 | 1 2 |
| 8 | **Traditional Rituals: "Kem Krama"** | 1 2 | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 5 | 1 2 3 | 1 2 |
| 9 | **Rituals: Worshipping Gods** | 1 2 | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 5 | 1 2 3 | 1 2 |
| 10 | **Other rituals: \_\_\_\_\_\_\_** | 1 2 | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 5 | 1 2 3 | 1 2 |
| 11 | **Used the Parachute Method** | 1 2 | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 5 | 1 2 3 | 1 2 |
| 12 | **Transplanted seedlings (vs. broadcast method)** | 1 2 | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 5 | 1 2 3 | 1 2 |
| 13 | **Used Saturation Irrigation (alternate wetting and drying)** | 1 2 | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 5 | 1 2 3 | 1 2 |
| 14 | **Practiced the System of Rice Intensification (SRI) \*\*\*** | 1 2 | 1 2 3 4 | 1 2 3 4 | 1 2 3 4 5 | 1 2 3 | 1 2 |

|  |  |
| --- | --- |
| **Table ADP 2: Stopped Farming** | |
| Q: Could you please tell me how you use your own farm land? | |
| 1. (a) Have you ever chosen not to farm your land for a season? | 1 = Yes>> Move to next question 2 = No >> Move to next table |
| 1. Why? (all that apply) | 1 = Insufficient water to farm  2 = Insufficient labor to farm  3 = Insufficient capital to afford inputs  4 = Poor health, physically incapable  5 = Greater economic opportunities off of farm  6 = Left village to work elsewhere  7 = Left village due to conflict in area  8 = Little/ no cooperation between farmers in this area  9 = Other (specify\_\_\_) |
| 1. If yes, did you rent your land to someone else? | 1 = Yes 2 = No |

**Section 9: Social and Cognitive Capital – Cohesion and Efficacy** [respondent = farmer]

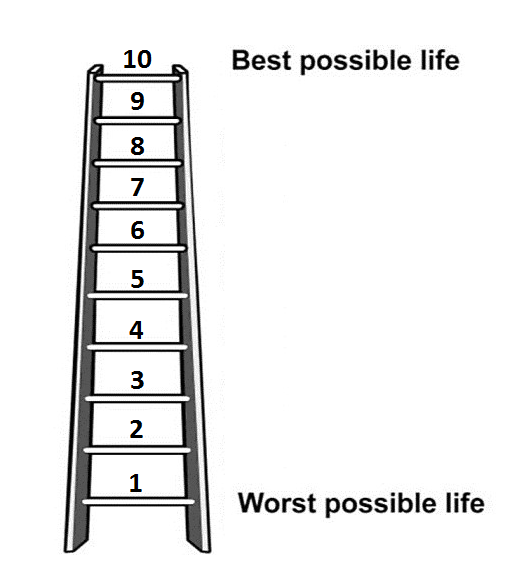
|  |  |  |
| --- | --- | --- |
| **Table CAP 1: Village Identification/Social Cohesion** | | |
| INTERVIEWER: Record the respondents’ answers to each of these questions. Read each question and provide them with response options. For each row, check only one response option. Use SHOW CARD. | | |
| Q: Now I have some questions about how you feel about your village. Please look at this show card and rate your agreement or disagreement to each item. **SHOW CARD 4**  1=Strongly disagree 2=Agree to a certain extent 3=Strongly agree | | |
| 1 | People of this village have a feeling of togetherness and closeness <X> | 1 2 3 |
| 2 | People who live in this village can be trusted <X,Y,Z> | 1 2 3 |
| 3 | This village is a place where people from different backgrounds get on well together <Z> | 1 2 3 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Table CAP 2: Collective Actions** | | | |
|  | **Q: I'm going to read you a list of practices that some villages engage in as a community involving sharing labour. Please tell me whether these are practiced in this village.**  **If yes, do you participate.** | | | |
|  | Practiced communally in this village  (a)  1 = Yes>> (b);  2 = No | If yes, do you participate?  (b)  1 = Yes; 2 = No | |
| 1 | Guarding farm land to protect against elephants | 1 2 | 1 2 | |
| 2 | Canal or tank operation and maintenance | 1 2 | 1 2 | |
| 3 | Attam/Labor sharing (exchanging or sharing labor for land clearing) | 1 2 | 1 2 | |
| 4 | Do you share community owned farm equipment? (e.g., tractors, storage, etc.) | 1 2 | 1 2 | |
| 6 | Communal decision making about type of crops planted or cultivation schedule (“kanna rasweema”) | 1 2 | 1 2 | |

|  |  |  |
| --- | --- | --- |
| **Table CAP 3: Efficacy Items** | | |
| **Q: I will read out some statements. Please tell me whether you agree or disagree. SHOW CARD 4**  1=Strongly disagree 2=Agree to a certain extent 3=Strongly agree | | |
| 1 | I am a good farmer | 1 2 3 |
| 2 | I have control over my farming yield | 1 2 3 |
| 3 | I am able to adapt my agricultural practices to changing weather patterns | 1 2 3 |

**Section 10: Personality and Individual Differences** [respondent = farmer]

|  |  |
| --- | --- |
| **Table PID 1: Health and Well-being** | |
| INTERVIEWER: use the ladder **SHOW CARD** **5** for the following questions. Before asking the questions, explain how the ladder works. | Enter ladder rung # |
| 1. Assume that this ladder is a way of representing your life. The top rung of the ladder represents the best possible life for you (rung #10). The bottom rung of the ladder represents the worst possible life for you (rung #1). On which step of the ladder do you feel you personally stand at this time? |  |
| 1. On which step do you think you will stand in about five years from now? Please give your best guess. |  |
| 1. Assume that this ladder is a way of representing your health. The top rung of the ladder represents the best possible health for you (rung #10). The bottom rung of the ladder represents the worst possible life for you (rung #1). On which step of the ladder do you feel you personally stand at this time? |  |



|  |  |  |
| --- | --- | --- |
| **Table PID 2: Risk Aversion Scale** | | |
| **Q: I am now going to read a few statements about your use of new farming techniques. Please tell me how much you agree with these. SHOW CARD 4**  1=Strongly disagree 2=Somewhat agree 3=Strongly agree | | |
| 1 | You usually wait until other farmers have perfected new farming strategies before you adopt them | 1 2 3 |
| 2 | You are usually one of the first farmers in your village to try out new farming techniques | 1 2 3 |
| 3 | If you hear good things about a new farming practice, you usually want to try it | 1 2 3 |
| 4 | You prefer to use farming techniques you are familiar with rather than try new techniques | 1 2 3 |

**Section 11: Satisfaction with Services and Facilities** [respondent = farmer]

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Table SAT 1. FO Satisfaction, Water Management Satisfaction** | | | | | | | |
| **Instructions: Ask participants to answer each of the following statements. Circle the appropriate response for each question. SHOW CARD** | | | | | | | |
| 1.  Are you a member of the farmer organization? | Yes  1 | No, Never  2 | | No, but I was in the past  3 | I represent someone else in the FO  4 | | There is no FO here  5  [skip to question 8] |
| * 1. If [no, never] or [I was in the past] options are chosen, ask why they are not/no longer a member? [Free response: briefly record key points of answer. Then skip to question 8] | | | | | | | |
| 2.  How often do you participate in meetings? | Never  1 | Sometimes  2 | | Always  3 | |
| 3.  How often do you participate in other FO activities? | Never  1 | Sometimes  2 | | Always  3 | |
|  |  |  | |  | |
| *These next questions ask about how satisfied you are with the farmer organization. Please state how much you agree with each statement;* SHOW CARD 2  Not at all =1 Somewhat=2 Very much=3 | | | | | |
| 4. Can you cooperate with other FO members to tackle mutual problems? | 1 | | 2 | 3 | |
| 5.  Are the leaders of your FO are effective in their roles? | 1 | | 2 | 3 | |
| 6.  Does the FO help you be a better farmer? | 1 | | 2 | 3 | |
| 7.  Are you generally satisfied with your FO? | 1 | | 2 | 3 | |
|  | | | | | |
| 8. Would you say that water is generally well managed in your community? | 1 | | 2 | 3 | |
| 9. Would you say that irrigation works are generally well maintained in your community? | 1 | | 2 | 3 | |
| 10. Would you say that everyone in this community (farmers) gets an equal amount of irrigation water per acre of land? | 1 | | 2 | 3 | |

**Section 12: System of Rice Intensification (only for those who have practiced SRI from ADP-1 table)** [respondent = farmer]

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Table SRI 1. Labor** | | | | | | |
| Q: You mentioned that you practice SRI. Next I'd like to ask you some questions about labour for SRI activities. | | | | | | |
| Q: How many days of labor are required at different stages of the SRI cultivation process? <B> | | | | | | |
| Activity | Family labor  (a) | | Exchange labor  (b) | | Hired labor  (c) | |
| Male  (1) | Female  (2) | Male  (1) | Female  (2) | Male  (1) | Female  (2) |
| 1. Raising seedlings in a carefully managed nursery |  |  |  |  |  |  |
| 1. Early transplanting of 8-15 days old seedlings |  |  |  |  |  |  |
| 1. Single widely spaced transplants |  |  |  |  |  |  |
| 1. Early and regular weeding |  |  |  |  |  |  |
| 1. Carefully controlled water management |  |  |  |  |  |  |
| 1. Application of compost |  |  |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Table SRI 2. SRI Satisfaction** | | | |
| Instructions: Ask respondents to report on their satisfaction for the following SRI questions. | | | |
| 1. **Q: Are you practicing SRI as a group? <B>** If yes, enter (number of members). | | | (a1) 1 Yes  2 No >> move to next table  (a2) If yes, number of members: \_\_\_\_\_\_\_ |
|
| 1. Q: Are you satisfied with how your group functions in the following areas? <B>   If no, enter reason for dissatisfaction. | | | |
| Areas of interest | Satisfied?  1 = Yes;  2 = No >> (b)  (a) | If no, why Not?  (b) | |
| 1. Sharing of workload among members | 1 2 |  | |
| 1. Skill level of other members | 1 2 |  | |
| 1. Time allocation for working together | 1 2 |  | |
| 1. Distribution of benefits | 1 2 |  | |
| 1. Level of trust among members | 1 2 |  | |

|  |  |
| --- | --- |
| **Table SRI 3. SRI Importance** | |
| Instructions: Ask respondents to report on their perception of importance for the following SRI factors. | |
| Q: Rate the following factors in terms of the importance in deciding whether to use SRI or conventional methods or rice cultivation. <B> | |
| Factor | Rate  (a)  1= Not at all important  2= Somewhat important  3= Very important |
| 1. Yield/Size of Harvest | 1 2 3 |
| 1. Availability of organic inputs | 1 2 3 |
| 1. Access to credit facilities | 1 2 3 |
| 1. Hire cost of machinery | 1 2 3 |
| 1. Cost of inputs | 1 2 3 |
| 1. Ownership of land | 1 2 3 |
| 1. Market selling price | 1 2 3 |
| 1. Health concerns (chemicals) | 1 2 3 |
| 1. Amount of seeds needed | 1 2 3 |
| 1. Quality of seeds | 1 2 3 |
| 1. Are you interested in trying to grow field crops in addition to or instead of rice using SRI? <B> | (a1) Yes  (a2) Why: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| (b1) No  (b2) Why not\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

|  |  |  |  |
| --- | --- | --- | --- |
| **Other Field Crops Codes [tables  FAR2 and FAR3]** | | 16 = | Pineapple |
| 1 = | Kurakkan (Finger Millet) | 17 = | Mangoes |
| 2 = | Maize (Corn) | 18 = | Oranges |
| 3 = | Other Cereals | 19 = | Other Fruit |
| 4 = | Yams | 20 = | Coconut |
| 5 = | Dhall (Mysoor, Thora, Kadala, etc) | 21 = | Okra (lady fingers) |
| 6 = | Sesame | 22 = | B. Onion |
| 7 = | Cowpea | 23 = | Red onion |
| 8 = | Soya Bean | 24 = | Aubergine (eggplant) |
| 9 = | Other Pulses | 25 = | Potato |
| 10 = | Leafy Vegetables (Kankund) | 26 = | Melon |
| 11 = | Vegetables | 27 = | Bitter Gourd |
| 12 = | Pepper | 28 = | Pumpkin |
| 13 = | Other Condiments | 29 = | Chili |
| 14 = | Bananas/Plantains | 30 = | Moong Beans/Green Gram |
| 15 = | Papaw | 31 = | Other Specify |