BASELINE SURVEY

FORM 1

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| intro1 | Hello, my name is [*surveyor’s name*]. I have come from Ahmedabad and I work with a research organization called Institute for Financial Management & Research. Today, I would like to tell you about a research study that we are conducting with farmers in this area of Gujarat. If you are interested in learning about this study, I would like to first ask some basic questions about your household and give you a detailed explanation. You can then decide whether to participate in the study. Would you like to continue? | 0. [ ] No  1. [ ] Yes | 0. End1  1. Section 1 |

## **Section X Personal Identification Information**

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| date1 | Is today ${*date calculated from surveyCTO*}? | 0. [ ] No  1. [ ] Yes | 0. date\_f  1. a1.1 |
| date\_f1 | Please select today’s date |  | x1.1 |
| x1.1 | Please type the respondent’s unique ID | |\_|\_|\_|\_|\_|\_| | x1.2 |
| time | Is the time right now ${*time calculated from surveyCTO*}? | 0. [ ] No  1. [ ] Yes | 0. time\_f  1. x1.3 |
| time\_f | Please select the time. |  | x1.3 |
| x1.3 | What is the correct name of the respondent? |  |  |
| x1.3.1 | First Name |  | x1.3.1 |
| x1.3.2 | Middle Name |  | x1.3.2 |
| x1.3.3 | Last Name |  | x1.3.3 |
| x1.4 | Is the respondent ${*gender shows up from the preloaded data*}? | 0. [ ] No  1. [ ] Yes | 0. x1.5  1. |
| x1.5 | What is the respondent’s gender? | 0. [ ] Female  1. [ ] Male | x1.6 |
| x1.6 | Is ${*number from preloaded data*} the primary mobile number of the respondent? | 0. [ ] No  1. [ ] Yes | 0. x1.7  1. note.x1 |
| x1.7 | What is the respondent’s primary mobile number? (check point – 10 digits) | |\_|\_|\_|\_|\_|  |\_|\_|\_|\_|\_| | note1 |

## Section A Survey Information

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| a1.1 | Please type the district code |  | a1.2 |
| a1.2 | Is the district ${*district name shows up from preloaded data*}? | 0. [ ] No  1. [ ] Yes | 0. a1.3  1. a1.4 |
| a1.3 | Which district is it? |  | a1.4 |
| a1.4 | Please type the block code |  | a1.5 |
| a1.5 | Is the block ${*block name shows up from preloaded data*}? | 0. [ ] No  1. [ ] Yes | 0. a1.6  1. a1.7 |
| a1.6 | Which block is it? |  | a1.7 |
| a1.7 | Please type the village code |  | a1.8 |
| a1.8 | Is the village ${*village name shows up from preloaded data*}? | 0. [ ] No  1. [ ] Yes | 0. a1.9  1. a2.1 |
| a1.9 | Which village is it? |  | a2.1 |
| a2.1. | Please enter interviewer code (your ID) | |\_|\_|\_| | a2.2 |
| a2.2 | Please enter supervisor code (your supervisor’s ID) | |\_|\_|\_| | a2.3 |
| a2.3 | Please enter respondent’s unique ID | |\_|\_|\_|\_|\_|\_| | a2.4 |
| a2.4 | Please enter respondent’s serial number in the tracking sheet |  | note.a3.1 |

|  |  |  |  |
| --- | --- | --- | --- |
| note.a3.1 | Before we proceed, we would like to confirm two things with you. |  | a3.0 |
| a3.0 | Do you plan to cultivate cotton in the Kharif season of 2018? | 0. [ ] No  1. [ ] Yes | 0. End2  1. a3.1 |
| note.a3.2 | Now, I would like to ask you who makes different agricultural decisions in your household. Please tell me who the primary decision maker is. By primary decision maker, I mean the person responsible for the decision:  Note to surveyor: If for any situation the farmer says that it is a joint decision, first ask them “who takes the final decision between/among the ones mentioned”, or, “most usually whose decisions are finally adopted? If they still say it is a joint decision, then mark that” | **Choice list for c3.1-c3.5**  1. Self  2. Others  Specify:\_\_\_\_\_\_\_\_\_  3. Jointly  Specify:\_\_\_\_\_\_\_\_\_ | a3.1 |
| a3.1 | Who is the primary decision maker on which crops to grow? | | \_ | \_ | | a3.2 |
| a3.2 | Who is the primary decision maker on how much input to use? | | \_ | \_ | | a3.3 |
| a3.3 | Who is the primary decision maker on when to sell harvest and how much | | \_ | \_ | | a3.4 |
| a3.4 | Who is the primary decision maker on the use of income from sales of agriculture output | | \_ | \_ | |  |

**If a3.1 != 2 and a3.2 != 2 -> Proceed to Consent Script**

**If a3.1 == 2 or a3.2 == 2 -> Proceed to a4.1**

|  |  |  |  |
| --- | --- | --- | --- |
| a4.1 | According to this information, you would not be eligible for this survey. Is there any other member in your household whose primary activity is farming and who also makes decisions on which crops to grow and how much inputs to use?? | 0. [ ] No  1. [ ] Yes | 0. End3  1. a4.2 |
| a4.2 | How is this farmer related to you? | 1. [ ] Brother  2. [ ] Sister  3. [ ] Father  4. [ ] Mother  5. [ ] Son  6. [ ] Daughter  7. [ ] Other |  |
| a4.3 | Please mention the name of this farmer |  | a4.4 |
| a4.4 | Mention the service number of this farmer |  | a4.5 |
| a4.5 | Note to surveyor: Did you record this information on your tracking sheet? | 0. [ ] No  1. [ ] Yes | 0. Don’t proceed  1. note.a4.1 |
| note.a4.1 | Could you please call this farmer? |  | a5 |
| a5 | ***Note to surveyor:*** Is the new respondent coming now? | 0. [ ] No  1. [ ] Yes | 0. note.a5.1  1. note.a5.2 |
| note.a5.1 | ***Note to surveyor:*** Please take a time to meet the new respondent. |  | End4 |
| note.a5.2 | ***Note to surveyor:*** Please wait for this new farmer to come. |  | End5 |
| End1 | Thank you for your time. |  | Exit |
| End2 | I am sorry but we are only doing this study with farmers who plan to grow this season. We will come back to you later in case any future study comes up. Thank you for your time. |  | Exit |
| End3 | I am sorry but we cannot do this study with your household. We will come back to you later in case any future study comes up. Thank you for your time. |  | Exit |
| End4 | Thank you. I will come back later to meet your ${*option selected in a4.2*}.  ***Note to surveyor:*** Fill a new form when you meet the new farmer. |  | Exit |
| End5 | Thank you. I will now talk to your ${*option selected in a4.2*}.  ***Note to surveyor:*** Start a new form when the farmer arrives. |  | Exit |

|  |  |  |  |
| --- | --- | --- | --- |
| c\_script | Consent Script (script displayed to the surveyor here) |  |  |
| consent | Do we have your consent? | 0. [ ] No  1. [ ] Yes | 0. noconsent  1. Section B |
| noconsent | Could you please tell the reason for refusal? (Note to surveyor: Don’t read out the list. You can select more than one option) | 1. [ ] I am not interested  2. [ ] I don’t want to participate in any survey  3. [ ] I don’t want to give soil sample  4. [ ] This requires too much time  5. [ ] I am busy | End6 |
| End6 | Thank you for your time. |  | Exit |

## Section B Personal Information

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| note.b1 | Let’s begin with the survey. Firstly, I would like to ask you a few questions about your background, such as your age, education level and family. |  |  |
| b1 | What is your age? | | \_ | \_ | | b12 |
| b12 | What is your relationship to the head of the household?  ***Note to Surveyor:*** Write the relationship that the respondent has with the head of the household, not what the head of the household has with the respondent. For example- if the head of the household is respondent’s child, then you will select parent. | 1. [ ] Self  2. [ ] Spouse  3. [ ] Parent  4. [ ] Parent in law  5. [ ] Child  6. [ ] Child in law  7. [ ] Sibling  8. [ ] Grand parent  9. [ ] Grandparent in law  -98. [ ] Other  Specify:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | b2 |
| b2 | Did you ever attend school? | 0. [ ] No  1. [ ] Yes  -99. [ ] Refuse to answer | 0. b4  1. b3  0. b4 |
| b3 | What is the highest level of education you have completed? | 0. [ ] Never went to school  1. [ ] Less than Class 1  2. [ ] Class 1-3  3. [ ] Class 4-5  4. [ ] Class 6-8  5. [ ] Class 9-10  6. [ ] Class 11-12  7. [ ] Not completed graduation  8. [ ] Graduate  9. [ ] Post-graduate  -99. [ ] Refuse to answer | b4 |
| b4 | If I provide you with a newspaper in Gujarati, can you read the paper? | 0. [ ] No  1. [ ] Yes  -99. [ ] Refuse to answer | b5 |
| b5 | Can you write your name in Gujarati? | 0. [ ] No  1. [ ] Yes  -99. [ ] Refuse to answer | 0. b7  1. b6  -99. b7 |
| b6 | Can you write sentences such as, “I live in India”, in Gujarati? | 0. [ ] No  1. [ ] Yes  -99. [ ] Refuse to answer | b7 |
| b7 | Can you read numbers in Gujarati? | 0. [ ] No  1. [ ] Yes  -99. [ ] Refuse to answer | b8 |
| b8 | Can you write numbers like “250” in Gujarati? | 0. [ ] No  1. [ ] Yes  -99. [ ] Refuse to answer | b9 |
| b9 | What is your marital status?  Note to surveyor: Do not prompt | 1. [ ] Currently married / living with a partner  2. [ ] Never married  3. [ ] Widowed (spouse/Partner died)  4. [ ] Divorced  5. [ ] Engaged  -99. [ ] Refuse to answer | b10 |
| b10 | What is the type of dwelling that you reside in?  ***Note to surveyor:*** Read out the options and select one | 1. [ ] Pucca House (strong structure)  2. [ ] Semi-Pucca House  3. [ ] Kutcha House (weak structure)  -98. [ ] Other, specify: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  -99. [ ] Refuse to answer | b11 |
| b11 | What was your primary occupation in the last 12 months?  ***Note to Surveyor***: *Do not prompt for a response to this question.* *Primary Occupation should be determined by the income earned for the occupation, and not the time they spent on the occupation. It may or may not be farming.* | 1. [ ] Farming (Self-employed)  2. [ ] Agriculture Labourer  3. [ ] Non-agriculture Labourer  4. [ ] Salaried Employment  5. [ ] Household business/trade  6. [ ] Unemployed  7. [ ] Student  8. [ ] Domestic Duties only  9. [ ] Retired / too old  10. [ ] Not working currently  -98. [ ] Others: Specify\_\_\_\_\_\_\_\_\_\_  -99. [ ] Refuse to answer | Section C |

## Section C Household Information

|  |  |  |  |
| --- | --- | --- | --- |
| **Qno** | **question/script** | **choices** | **go-to** |
| note.c1 | Now, let me ask a few questions regarding your household and household members. |  | c1 |
| c1 | How many members live in this household in total?  ***Note to surveyor:*** Members who have temporarily migrated would also be included. | | \_ | \_ | | c2 |
| c2 | Out of these, how many are involved in farming activities with you?  ***Note to surveyor:*** These include anyone who works on the farm, takes decisions or gives advices on agricultural matters, buys inputs, sells harvest | | \_ | \_ | | c3 |
| c3 | What were the main sources of income of the household during the Kharif season in 2017?  ***Note to Surveyor:*** Mention three in the order of income generated. Don’t prompt, this might or might not include farming) | 1. [ ] Agriculture Harvest  2. [ ] Agriculture Labor  3. [ ] Own farming enterprise (milk sales, livestock, etc.)  4. [ ] Non-agriculture labor  5. [ ] Household business/trade  6. [ ] Rent (land, rooms, etc.)  7. [ ] Employment generation schemes  8. [ ] Remittances  9. [ ] Interests and Dividends  10. [ ] Pensions  11. [ ] Gifts, Donations  -98. [ ] Others:  Specify:\_\_\_\_\_\_\_\_\_\_\_  -99. [ ] Refused to answer | c4 |
| c4 | Please provide the postal address of your household. | Postal Address:  \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  -97. [ ] Don’t know  -99. [ ] Refused to answer | Section D |

## Section D Plot Information

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| note.d1 | Thank you for providing the responses so far. Now let’s move to talking about your farming practices. I will be asking you some questions regarding your plot on which you practice farming, the area of these plots, regarding irrigation, etc. Again, as mentioned before, this information will not be disclosed to anyone outside the research team, and we will not share it with anyone else. If you would not like to respond to a question, please feel free to let me know. Let us start with this section of the survey now. |  |  |
| d1.1 | What is the unit that you use for the area of the plots that you cultivate?  Note to surveyor: Inform the farmer that all the responses on land sizes would be recorded in the unit that they mention here. | 1. [ ] Bigha  2. [ ] Acre  3. [ ] Hectare  4. [ ] Guntha | 1. d1.3  2. d1.3  3. d1.3  4. noted.2 |
| noted.2 | Please mention the conversion ratio of Guntha to Bigha or Acre that you use for your plot  Note to surveyor: Enter the exact values as told by the farmer, you don’t need to do any calculations yourself. |  |  |
| d1.2.1 | Unit in which converting | 1. [ ] Bigha  2. [ ] Acre  3. [ ] Hectare | d1.2.2 |
| d1.2.2 | How many ${*unit selected in d1.2.1}* | |\_|\_|\_| | d1.2.3 |
| d1.2.3 | How many gunthas in ${value entered in d1.2.2} ${*unit selected in d1.2.1}* | |\_|\_|\_| | d1.3 |
| d1.3 | How many plots do you have for crop cultivation? Please note that this would not include any land on which you are an agricultural worker or on which you have a shared ownership. I only want to know about the land that you either own entirely or have taken on rent. | | \_ | \_ | | d2 |
| note.d3 | Based on the information you have provided, I have listed ${*number in d1.3}* plots. I am going to ask you a few questions one by one for each of these plots. |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** | **1** | **2** | **3** | **4** | **…n** |
| d2.1 | Please give me a marker/address for the plot number ${*n*} | <text> | d2.2 | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| |
| d2.2 | Do you own plot ${*n*} or is it on rent? | 1. [ ] 100% ownership of the respondent  2. [ ] The land has been taken on rent by the farmer | d2.3 |  |  |  |  |  |
| d2.3 | What is the total land size of the plot number ${n} in ${*unit mentioned in d1.1*} |  | d2.4 |  |  |  |  |  |
| d2.4 | Would you be cultivating this plot in the Kharif season of 2018? | 0. [ ] No  1. [ ] Yes  2. [ ] Unsure | 0. d3.1  1. d2.5  2. d2.5 |  |  |  |  |  |
| d2.5 | Would you be cultivating cotton on this plot in the Kharif season of 2018? | 0. [ ] No  1. [ ] Yes  2. [ ] Unsure | d3.1 |  |  |  |  |  |
| d3.1 | Did you cultivate the plot number ${n} in the Kharif season of 2017? | 0. [ ] No  1. [ ] Yes | 0. d2.1  1. d3.2 |  |  |  |  |  |
| d3.2 | Did you cultivate cotton on the plot number ${n} in the Kharif season of 2017? | 0. [ ] No  1. [ ] Yes | 0. d2.1  1. d3.3 |  |  |  |  |  |
| d3.3 | Was the cotton on the plot number ${n} irrigated? | 0. [ ] No  1. [ ] Yes | 0. d2.1  1. d2.1 |  |  |  |  |  |

|  |  |  |
| --- | --- | --- |
| **SURVEYCTO CALCULATIONS** | | |
| calculate applicability | d2.2 = 1 & d2.5 != 0 & d3.2 = 1 |  |
| calculate primary plot | plot with the largest cotton cultivation of 2017 (irrigated if the sizes of two plots are the same) |  |
| calculate secondary plot | plot with the second largest cotton cultivation of 2017 (unirrigated if the sizes of two plots are the same) |  |
| casev1 | Farmer has 0 applicable plot | note.v1 |
| casev2 | Farmer has only 1 applicable plot which is the primary plot | note.v2 |
| casev3 | Farmer has more than 1 applicable plots. 1 of them is the primary plot and 1 of them is the secondary plot. | note.v2 |

## Section V Soil Sample Plot Verification

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **Choices** | **go-to** |
| note.v1 | Thank you for the information. |  | End7 |
| note.v2 | According to the data you have provided, we have identified plot ${plot number of the largest cotton plot} that is of the size ${size mentioned in d3.1} ${*unit mentioned in d1.1*} as your primary plot. The marker for this plot is ${marker mentioned in d2.1}. Before we continue, I would like to confirm something. |  | v1 |
| note.v3 | According to the data you have provided, we have identified plot ${plot number of the largest cotton plot} that is of the size ${size mentioned in d3.1} ${*unit mentioned in d1.1*} as your primary plot. The marker for this plot is ${marker mentioned in d2.1}. Additionally, we have identified plot ${plot number of the largest cotton plot} that is of the size ${size mentioned in d3.1} ${*unit mentioned in d1.1*} as your secondary plot. The marker for this plot is ${marker mentioned in d2.1}.  Before we continue, I would like to confirm something. |  | v1 |
| v1 | Do you have any standing crop on your primary plot ${marker mentioned in $d2.1}? | 0. [ ] No  1. [ ] Yes | 0. v4  1. v2 |
| v2 | When do you plan to harvest this crop? | 1. [ ] In the next couple of days  2. [ ] Within the fortnight  3. [ ] Within the month  4. [ ] Within one and a half months  5. [ ] More than 2 months | v3 |
| v3 | Would you leave the soil on your primary plot ${marker mentioned in d2.1} absolutely fallow and dry any time BEFORE THE 1ST WEEK OF MAY? | 0. [ ] No  1. [ ] Yes | 0. End7 if casev2, v5 if casev3  1. v4 |
| v4 | Do we have your permission to collect soil samples from your primary plot ${marker mentioned in $d2.1} for soil testing? | 0. [ ] No  1. [ ] Yes | 0. End7 if casev2, v5 if casev3  1. v9 |
| v5 | Do you have any standing crop on your secondary plot ${marker mentioned in d2.1}? | 0. [ ] No  1. [ ] Yes | 0. v8  1. v6 |
| v6 | When do you plan to harvest this crop? | 1. [ ] In the next couple of days  2. [ ] Within the fortnight  3. [ ] Within the month  4. [ ] Within one and a half months  5. [ ] More than 2 months | v7 |
| v7 | Would you leave the soil on your secondary plot ${marker mentioned in d2.1} plot absolutely fallow and dry any time BEFORE THE 1ST WEEK OF MAY? | 0. [ ] No  1. [ ] Yes | 0. End7  1. v8 |
| v8 | Do we have your permission to collect soil samples from your secondary plot ${marker mentioned in d2.1} for soil testing? | 0. [ ] No  1. [ ] Yes | 0. End7  1. v10 |
| v9 | Note to surveyor: Are you already on the primary plot ${marker mentioned in d2.1}? | 0. [ ] No  1. [ ] Yes | 0. note.v4  1. note.v5 |
| v10 | Note to surveyor: Are you already on the secondary plot ${marker mentioned in d2.1}? | 0. [ ] No  1. [ ] Yes | 0. note.v4  1. note.v5 |
| note.v4 | Thank you for the information. After we go through some questions, I would like to visit your plot ${marker mentioned in d2.1} with you and ask you some more questions over there. |  | Section E |
| note.v5 | Thank you for the information. |  | Section E |
| End7 | I am sorry to tell you that I would have to end the survey here as there is no plot information provided by you that matches our eligibility criteria for this study. We will come back to you later in case any future study comes up. Thank you for your time. |  | Exit |

## Section E Harvest

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| note.e1 | Thank you for telling us about the plots you cultivated in the season. Now, let us proceed further with the survey. I am now going to ask you some questions about your cotton harvest in the last Kharif season. | e1 | e1 |
| e1 | In how many times did you harvest the cotton that you had cultivated in the Kharif season of 2017? | **|\_|\_|\_|** | If e1 = 1 go to e2.3, if e1 > 1 go to e2.1 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | | **go-to** |
| e2.1 | When did you first harvest cotton from any of your plots? |  | |  |
| Select month | 1. [ ] January  2. [ ] February  3. [ ] March  4. [ ] April  5. [ ] May  6. [ ] June | 7. [ ] July  8. [ ] August  9. [ ] September  10. [ ] October  11. [ ] November  12. [ ] December |  |
| Select Year | 1. [ ] 2017  2. [ ] 2018 | | e2.2 |
| e2.2 | When did you last harvest cotton from any of your plots? |  | |  |
| Select month | 1. [ ] January  2. [ ] February  3. [ ] March  4. [ ] April  5. [ ] May  6. [ ] June | 7. [ ] July  8. [ ] August  9. [ ] September  10. [ ] October  11. [ ] November  12. [ ] December |  |
| Select Year | 1. [ ] 2017  2. [ ] 2018 | | e3 |
| e2.3 | When did you harvest your cotton? |  | |  |
| Select month | 1. [ ] January  2. [ ] February  3. [ ] March  4. [ ] April  5. [ ] May  6. [ ] June | | 7. [ ] July  8. [ ] August  9. [ ] September  10. [ ] October  11. [ ] November  12. [ ] December |
| Select Year | 1. [ ] 2017  2. [ ] 2018 | | e3 |

|  |  |  |  |
| --- | --- | --- | --- |
| e3 | What was the total quantity of cotton harvested in the Kharif season of 2017? |  | e3.1 |
| e3.1 | Enter quantity | |\_|\_|\_|\_| | e3.2 |
| e3.2 | Select unit | 1. [ ] Kg  2. [ ] Maund  3. [ ] Quintal  4. [ ] Pula |  |
| e4 | What was the quantity that you sold out of the ${value stored in e3.1} ${unit stored in e3.2} harvested cotton? |  | e4.1 |
| e4.1 | Enter quantity | |\_|\_|\_|\_| | e4.2 |
| e4.2 | Select unit | 1.[ ] Kg  2. [ ] Maund  3. [ ] Quintal  4. [ ] Pula |  |
| e5 | Out of all the sales that you have made this season, what was the quantity that you had sold in your largest sale and what was the price that you had received for it? |  | e5.1 |
| e5.1 | Quantity sold | |\_|\_|\_|\_| | e5.2 |
| e5.2 | Select unit | 1. [ ] Kg  2. [ ] Maund  3. [ ] Quintal  4. [ ] Pula | e5.3 |
| e5.3 | What was the price that you received for it? |  | e5.4 |
| e5.4 | Enter amount received in Rupees. | |\_|\_|\_|\_| | e5.5 |
| e5.5 | For how much cotton? | |\_|\_|\_|\_| | e5.6 |
| e5.6 | Select unit | 1. [ ] Kg  2. [ ] Maund  3. [ ] Quintal  4. [ ] Pula | e6 |
| e6 | What was the total revenue in Rupees that you received for the total cotton that you had sold this season? | |\_|\_|\_|\_| | e7 |

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| e7 | Could you give an estimate of the quantity of cotton that you expect to harvest in a typical year?  Note to surveyor: If the farmer gives a range (60000 to 65000), ask them to give a specific number. Don’t ask “60000 or 650000”, ask them “please give me one value” |  |  |
| e7.1 | Enter quantity | |\_|\_|\_|\_|\_| |  |
| e7.2 | Select Unit | 1. [ ] Kilo  2. [ ] Pula  3. [ ] Quintal  4. [ ] Mound |  |
| e7.3 | In how much land? | |\_|\_|\_|\_| |  |
| e7.4 | Select land unit | 1. [ ] Bigha  2. [ ] Acre  3. [ ] Hectare  4. [ ] Guntha |  |
| e8 | Could you give an estimate of the quantity of cotton that you expect to harvest in a good year?  Note to surveyor: If the farmer gives a range (60000 to 65000), ask them to give a specific number. Don’t ask “60000 or 650000”, ask them “please give me one value” |  | e8.1 |
| e8.1 | Enter quantity | |\_|\_|\_|\_|\_| | e8.2 |
| e8.2 | Select Unit | 1. [ ] Kilo  2. [ ] Pula  3. [ ] Quintal  4. [ ] Mound | e8.3 |
| e8.3 | In how much land? | |\_|\_|\_|\_| | e8.4 |
| e8.4 | Select land unit | 1. [ ] Bigha  2. [ ] Acre  3. [ ] Hectare  4. [ ] Guntha | e9 |
| e9 | Could you give an estimate of the quantity of cotton that you expect to harvest in a bad year?  Note to surveyor: If the farmer gives a range (60000 to 65000), ask them to give a specific number. Don’t ask “60000 or 650000”, ask them “please give me one value” |  | e9.1 |
| e9.1 | Enter quantity | |\_|\_|\_|\_|\_| | e9.2 |
| e9.2 | Select Unit | 1. [ ] Kilo  2. [ ] Pula  3. [ ] Quintal  4. [ ] Mound | e9.3 |
| e9.3 | In how much land? | |\_|\_|\_|\_| | e9.4 |
| e9.4 | Select land unit | 1. [ ] Bigha  2. [ ] Acre  3. [ ] Hectare  4. [ ] Guntha | e10 |
| e10 | If you are able to use as much fertilizer as you would like, how do you think it would impact your yield? | 1. [ ] Significant increase  2. [ ] Moderate increase  3. [ ] No increase  -97. [ ] Don’t Know |  |

## Section F Cotton Seed Use

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| note.f1 | I would like to ask you some questions about your seed use for total cotton cultivation in the Kharif season 2017 on the plots you had cultivated. |  | f1 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** | **1.Short** | **2.Medium** | **3.Long** |
| f1 | I am going to read out varieties of seeds. Please tell me if you had used that variety? | 0. [ ] No  1. [ ] Yes | f2 |  |  |  |
| f2 | Did you purchase this seed in the Kharif season of 2017 or did you reuse old seeds? | 1. [ ] Purchased  2. [ ] Reused  3. [ ] Purchased as well as reused | f3 |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| f3 | Please tell me which was the most important factor for you in deciding the type of cotton seed to use?  ***Note to surveyor:*** Do not prompt the list. Select all that apply. | 1. [ ] Low price  2. [ ] Pest resistance  3. [ ] Safe yield  4. [ ] High yield  5. [ ] Fewer input requirements  6. [ ] Lesser water requirements  7. [ ] What friends and other farmers use  8. [ ] Accessibility  9. [ ] Increases soil fertility  -98. [ ] Others  Specify:\_\_\_\_\_  -96. [ ] Don’t know | Section H |

## Section H Willingness to Experiment

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| note.h1 | Thank you for telling me about the seeds that use had used last year on this plot. Now let me now ask you some questions about your general farming practices and behaviour. | h1 |  |
| h1 | How do you see yourself: Are you the type of person who likes to try new farming technologies or practices right away when you learn about them? Or do you prefer to wait and observe others to try first?  Note to surveyor: If the farmer responds with giving case specific answers, hear them out, and then ask them what the most usual behaviour is. | 1. [ ] Would not try new practices or technology even after observing others  2. [ ] Would try it after observing others and/or learning from other sources  3. [ ] Would try it immediately |  |
| h2 | Over the last three Kharif seasons, did you experiment, even on a small area of your plot, using any fertilizers, pesticides, seeds, and other inputs you were not familiar with, or adopt new and unfamiliar farming practices?  Note to surveyor: make sure that the farmer is clear that this could be anything and is not restricted to the fertilizers, pesticides and seeds. | 0. [ ] No  1. [ ] Yes | 0. Section I  1. h3 |
| h3 | What was the input or practice you adopted?  Note to surveyor: Select all that apply. | 1. [ ] Dug a bore well  2. [ ] Used a type of new fertilizer  3. [ ] Changed/experimented with fertilizer quantity    4. [ ] Used a different type of pesticide  5. [ ] Used a new machinery for a particular farming technique  6. [ ] Tried inter-cropping  7. [ ] Tried other new farming practices  -98. [ ] Others:  Specify:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | h4 |
| h4 | What made you decide to try something new?  Note to surveyor: Select all that apply. | 1. [ ] Observing other farmers  2. [ ] Recommendation from government  3. [ ] Subsidized from government  4. [ ] Recommended by friends and family  5. [ ] Learnt from a trusted information source  6. [ ] Thought about it myself  98. [ ] Others:  Specify:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | h5 |

## Section I Sources of Information

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| note.i1 | Agriculture information is available from many sources and every farmer uses different sources. I would like to ask you a few questions to know where about which sources do you use and trust for information regarding different agriculture advices. I am going to read a list of sources of information. Please tell me if you this source for agricultural information. |  | i1 |
|  |  |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| serial | choice list of sources of information | i1 Do you use ${source choice}? | | i2 How much do you trust it as a source of information? | |
|  |  | **choices** | **go-to** | **choices** | **go-to** |
|  |  | 0. [ ] No  1. [ ] Yes | 0. i21. i2 | 1. [ ] Very High (80% to 100%)  2. [ ] High (60% to 80%)  3. [ ] Medium (40% to 60%)  4. [ ] Low (20% to 40%)  5. [ ] Very Low (0% to 20%) | i1  (i3 after i1.11) |
| 1 | Television | | \_ | \_ | | | | \_ | \_ | | |
| 2 | Mobile Phone based information | | \_ | \_ | | | | \_ | \_ | | |
| 3 | Newspaper / Magazine | | \_ | \_ | | | | \_ | \_ | | |
| 4 | Government Extension Worker | | \_ | \_ | | | | \_ | \_ | | |
| 5 | NGO | | \_ | \_ | | | | \_ | \_ | | |
| 6 | Other farmers | | \_ | \_ | | | | \_ | \_ | | |
| 7 | Agro-shops | | \_ | \_ | | | | \_ | \_ | | |
| 8 | Traders / Commission Agents | | \_ | \_ | | | | \_ | \_ | | |
| 9 | Radio | | \_ | \_ | | | | \_ | \_ | | |
| 10 | Krushi Mela | | \_ | \_ | | | | \_ | \_ | | |
| 11 | -98. [ ] Others  Specify:\_\_\_\_\_\_\_\_\_\_\_\_ | | \_ | \_ | | | | \_ | \_ | | |

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| i3 | Which is the most important source of information for you that you rely on to make decisions regarding fertilizers?  ***Note to surveyor:*** Ask the farmer to select only one. | 0. [ ] None  1. [ ] Television  2. [ ] Mobile Phone based information  3. [ ] Newspaper / Magazine  4. [ ] Government Extension Worker  5. [ ] NGO  6. [ ] Other farmers  7. [ ] Agro-shops  8. [ ] Traders / Commission Agents  9. [ ] Radio (also include Gam No Choro for this answer)  10. [ ] Krushi Mela  -98. [ ] Others  Specify:\_\_\_\_\_\_\_\_\_\_\_\_ | Section J |

## Section J Soil Test

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| note.j1 | I would now like to ask you some questions to understand your experience with soil tests. |  | j1 |
| j1 | Have you ever had soil from your field tested? | 0. [ ] No  1. [ ] Yes | 0. Section K  1. j2 |
| j2 | When was the last time you had soil sample from your field tested? | 1. [ ] In the last month  2. [ ] In the last 6 months  3. [ ] Between 6 months to 1 year ago  4. [ ] Between 1 to 2 years ago  5. [ ] More than 2 years ago | j3 |
| j3 | Who collected the sample for the latest soil test? | 1. [ ] Self  2. [ ] Government Worker  3. [ ] NGO Worker  4. [ ] Private organization  -97. [ ] Don’t know  -98. [ ] Other  Specify:\_\_\_\_\_\_\_\_\_\_ | j4 |
| j4 | Where was the test performed? | 1. [ ] Government Soil Lab  2. [ ] Private Soil Lab  3. [ ] University Soil Lab  -97. [ ] Don’t know  -98. [ ] Other  Specify:\_\_\_\_\_\_\_\_\_\_ | j5 |
| j5 | Did you receive a report with results? | 0. [ ] No  1. [ ] Yes  -96. [ ] Don’t remember | 0. Section K  1. j6  -99. Section K |
| j6 | Did you read the test results? | 0. [ ] No  1. [ ] Yes | 0. Section K  1. j7 |
| j7 | Did you understand the test results? | 0. [ ] No  1. [ ] Yes | 0. Section K  1. j8 |
| j8 | I will read out a list of nutrient. Please describe the test result for that nutrient. |  | j.8.1 |
| j8.1 | Nitrogen | 1. [ ] Very High  2. [ ] High  3. [ ] Medium  4. [ ] Normal  5. [ ] Low  6. [ ] Very Low  -96. [ ] Don’t remember | j.8.2 |
| j8.2 | Phosphorous | 1. [ ] Very High  2. [ ] High  3. [ ] Medium  4. [ ] Normal  5. [ ] Low  6. [ ] Very Low  -96. [ ] Don’t remember | j.8.3 |
| j8.3 | Potash | 1. [ ] Very High  2. [ ] High  3. [ ] Medium  4. [ ] Normal  5. [ ] Low  6. [ ] Very Low  -96. [ ] Don’t remember | j.8.4 |
| j8.4 | Iron | 1. [ ] Very High  2. [ ] High  3. [ ] Medium  4. [ ] Normal  5. [ ] Low  6. [ ] Very Low  -96. [ ] Don’t remember | j.8.5 |
| j8.5 | Zinc | 1. [ ] Very High  2. [ ] High  3. [ ] Medium  4. [ ] Normal  5. [ ] Low  6. [ ] Very Low  -96. [ ] Don’t remember | j.8.6 |
| j8.6 | Sulphur | 1. [ ] Very High  2. [ ] High  3. [ ] Medium  4. [ ] Normal  5. [ ] Low  6. [ ] Very Low  -96. [ ] Don’t remember | Section K |

## Section K Knowledge

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| **note.k1** | I would like to ask you a few questions about fertilizers. Please respond if you know the answer to the questions. It is completely okay if tell me that you don’t know the answer. |  | k1 |
| **k1** | Which essential plant nutrients does UREA contain? | 1. [ ] Nitrogen  2. [ ] Phosphorous  3. [ ] Potash  -97. [ ] Don’t know  -98. [ ] Others  Specify:\_\_\_\_\_\_\_\_\_ | k2 |
| **k2** | Which is the BEST fertilizer for adding potash in the soil? | 1. [ ] Murate of Potash (MOP)  2. [ ] N-P-K grade fertilizer  -97. [ ] Don’t know  -98. [ ] Others  Specify:\_\_\_\_\_\_\_\_\_ | k3 |
| **k3** | If you had the option of using 50 kg (1 bag) of DAP or 50kg (1 bag) of 20-20-20, which of the two would you use to add phosphorous to soil? | 1. [ ] DAP  2. [ ] 20-20-20  3. [ ] None  -97. [ ] Don’t know  -98. [ ] Others  Specify:\_\_\_\_\_\_\_\_\_ | k4 |
| **k4** | Which is the BEST fertilizer for adding sulphur in the soil? | 1. [ ] Ammonium Sulphate / SSP / Gypsum / Chirodi  2. [ ] Sulphur fertilizer  -97. [ ] Don’t know  -98. [ ] Others  Specify:\_\_\_\_\_\_\_\_\_ | k5 |
| **k5** | If you had the option of using 50 kg of Ammonium Sulphate/SSP/Gypsum/Chirodi or 50 kg of Sulphur fertilizer, which of the two would you use to add sulphur to soil? | 1. [ ] Ammonium Sulphate / SSP / Gypsum /Chirodi  2. [ ] Sulphur fertilizer  3. [ ] None  -97. [ ] Don’t know  -98. [ ] Others  Specify:\_\_\_\_\_\_\_\_\_ | k6 |
| **k6** | When should any micronutrient fertilizer be applied in the soil during cotton cultivation? | 1. [ ] At the time of sowing  with Basal fertilizers  2. [ ] 30 days after sowing  3. [ ] Multiple times throughout the  season  -97. [ ] Don’t know  -98. [ ] Others  Specify:\_\_\_\_\_\_\_\_\_ | Section L |

## Section L Risk Attitude

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| note.l1 | ***Note to surveyor:*** Please take out the sheet with the image of the ladder |  | note.l1 |
| note.l2 | Now we will ask you a couple of questions about whether you take risks or are likely to take risks. This is a 10-step ladder. This ladder indicates how averse you are to taking risks. If you are not someone who takes a lot of risks, you may indicate towards the bottom rung of the ladder. Likewise, you may indicate towards the top rung of the ladder if you take or are likely to take risks. You can choose a step on the ladder for every question that we ask you. I will present you with a number of situations that one may face. Please tell me how likely you are to take risks about each situation on a scale of 1-10, where 1 is unlikely to take risks and 10 is very likely to take risks.  ***Note to surveyor:*** *Show the respondents the 10-step ladder, the ladder is numbered on the right side of the steps. When a respondent indicates towards a step, note down the corresponding number. The ladder picture needs to be given to the respondent for the duration of the section. Select “refuse to answer” if the respondent refuses to answer the question.* |  | l1 |
| l1 | People can behave differently in different situations. How would you rate your willingness to take risks in the following areas? |  | l1.1 |
| l1.1 | Agricultural Matters  Please show me on the scale.  ***Note to Surveyors:*** Show respondent the ladder sheet. Ask them to point to the number at which they are prepared to take risks. If they mention more than one number, ask them again to select just one number. | | \_\_| \_\_ | Record number that respondent mentions:  -97. [ ] Don‘t know  -99. [ ] Refuse to answer | l1.2 |
| l1.2 | Financial Matters.  Please show me on the scale.  ***Note to Surveyors:*** Show respondent the ladder sheet. Ask them to point to the number at which they are prepared to take risks. If they mention more than one number, ask them again to select just one number. | | \_\_| \_\_ | Record number that respondent mentions:  -97. [ ] Don‘t know  -99. [ ] Refuse to answer | l2 |
| l2 | How do you see yourself:  Are you generally a person who is fully prepared to take risks or do you try to avoid taking risks? Please show me on the scale, where the value 0 means "avoid taking risks" and the value 10 means "fully prepared to take risks" you can use the values in between to make your estimate.)  ***Note to Surveyors:*** Show respondent the ladder sheet. Ask them to point to the number at which they are prepared to take risks. If they mention more than one number, ask them again to select just one number. | | \_\_| \_\_ | Record number that respondent mentions:  -97. [ ] Don‘t know  -99. [ ] Refuse to answer | l3 |
| l3 | If your agricultural or cotton yield increases by 10%, what would you do with the additional income?  ***Note to surveyor:*** Please select up to three responses in the order of the important. | 1. [ ] Pay of loans  2. [ ] Home improvements  3. [ ] Purchasing agriculture inputs  4. [ ] Purchasing durable goods  5. [ ] Invest in other income generating activities  6. [ ] Savings  7. [ ] Increase consumption  8. [ ] Household events  97. [ ] Don’t Know  -98. [ ] Others:  Specify:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  99. [ ] Refuse to Answer | Section M |

## Section M Shocks

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| note.m1 | I would now like to ask you a few questions about the problems and losses that you might have faced in the last year. |  | m1 |
| m1 | In the Kharif season of 2017, did your household experience an economic shock resulting from problems with cotton crop on your fields or in storage, for example, due to weather, fire, pests, animals, plant disease, theft, or any other reason/event? | 0. [ ] No  1. [ ] Yes | 0. m2  1. m1.1 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| serial | choice of event | m1.1 Did you face a loss because of ${event choice} | m1.2 What was the month and year of the event? | | m1.3 What is the estimated quantity of loss? | | m1.4 What did your household do to cope with this crop loss? | m1.5 Has your household financial recovered from this shock as of now? |
|  |  | **choices** | **choices** | | **choices** | | **choices** | **choices** |
|  |  |  | Select Month | Select Year | Enter Value | Select Unit |  |  |
|  |  | 0. [ ] No  1. [ ] Yes | 1. [ ] January  2. [ ] February  3. [ ] March  4. [ ] April  5. [ ] May  6. [ ] June  7. [ ] July  8. [ ] August  9. [ ] September  10. [ ] October  11. [ ] November  12. [ ] December | 1. [ ] 2017  2. [ ] 2018 | |\_|\_|\_|\_| | 1.[ ] Kg  2. [ ] Maund  3. [ ] Quintal  4. [ ] Pula | 1. [ ] Find other sources of income  2. [ ] Plant another crop  3. [ ] Borrow money  4. [ ] Reduce food consumption  5. [ ] Use savings  6. [ ] Financial assistance and gifts  7. [ ] Government insurance  8. [ ] Other insurance  9. [ ] Nothing specific  -97. [ ] Don’t know  -98. [ ] Others: Specify\_\_\_\_\_\_\_\_ | 0. [ ] No  1. [ ] Yes |
| 1 | Drought / lack of water | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_|\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| |
| 2 | Flood | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_|\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| |
| 3 | Hailstorm | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_|\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| |
| 4 | Lightening | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_|\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| |
| 5 | Rainstorm | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_|\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| |
| 6 | Insects | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_|\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| |
| 7 | Rodents | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_|\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| |
| 8 | Animals eating crops | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_|\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| |
| 9 | Theft | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_|\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| |
| 10 | Fire | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_|\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| |
| -98 | Other: Specify\_\_\_\_\_\_\_\_\_\_\_\_ | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_|\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| |

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| m2 | In the last 12 months, did your household experience other unanticipated major reductions in income that affected the economic conditions of the household? | 0. [ ] No  1. [ ] Yes | 0. Section N  1. m2.1 |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| serial | choice of event | m2.1 Did your household face an income reduction because of ${event choice} | m2.2 What was the month and year of the event? | | m2.3 What did your household do in order to cope with this reduction in income? | m2.4 Has your household financial recovered from this shock as of now? |
|  |  | **choices** | **choices** | | **choices** | **choices** |
|  |  |  | Select Month | Select Year |  |  |
|  |  | 0. [ ] No  1. [ ] Yes | 1. [ ] January  2. [ ] February  3. [ ] March  4. [ ] April  5. [ ] May  6. [ ] June  7. [ ] July  8. [ ] August  9. [ ] September  10. [ ] October  11. [ ] November  12. [ ] December | 1. [ ] 2017  2. [ ] 2018 | 1. [ ] Other household members found other sources of income  2. [ ] Borrow money  3. [ ] Reduce food consumption  4. [ ] Use savings  5. [ ] Financial assistance and gifts  6. [ ] Government insurance  7. [ ] Other insurance  8. [ ] Nothing specific  -97. [ ] Don’t know  -98. [ ] Others: Specify\_\_\_\_\_\_\_\_ | 0. [ ] No  1. [ ] Yes |
| 1 | Health problems in the household | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| |
| 2 | Accident | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| |
| 3 | Employment Reduction | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| |
| 4 | Natural Disasters | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| |
| 5 | Death in the Family | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| |
| 6 | Collapse in Household Business | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| |
| -98 | Other: Specify\_\_\_\_\_\_\_\_\_\_\_\_ | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| | |\_|\_| |

## Section N Financial Capacity

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| **note.n1** | I would like to ask a few more questions regarding your and your household’s financial capacity. |  |  |
| **n1** | I will read out a list of assets that is used for agriculture. Please tell me if you currently use or rent any of these:  (i) Bullocks  (ii) Tractor  (iii) Plough  ***Note to Surveyors:*** Mark all the apply | 1. [ ] Bullocks own  2. [ ] Bullocks rental  3. [ ] Tractor own  4. [ ] Tractor rental  5. [ ] Plough Own  6. [ ] Plough rent  7. [ ] None of the above |  |
| **note.n2** | I am going to read out a list of different forms of saving. Please let me know for each of them if you or any member of your household keep or save money in the following forms: |  |  |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| serial | choice list of saving forms | n2.1 Do you ${saving choice}? | | n2.2 What is its total value? | |
|  |  | **choices** | **go-to** | **choices** | **go-to** |
|  |  | 0. [ ] No  1. [ ] Yes | 0. n2.1  1. n2.2 |  | n2.1 (n3 after n2.1.5) |
| 1 | Keep or save cash in home for future use | | \_ | \_ | | | | \_ | \_ |\_|\_|\_| | |
| 2 | Keep or save money in bank account for future use | | \_ | \_ | | | | \_ | \_ |\_|\_|\_| | |
| 3 | Keep or save money in other financial institutions and NGOs for future use | | \_ | \_ | | | | \_ | \_ |\_|\_|\_| | |
| 4 | Keep or save money in SHG savings for future use | | \_ | \_ | | | | \_ | \_ |\_|\_|\_| | |
| -98 | Keep or save money in other forms: Specify\_\_\_\_\_\_\_\_\_\_\_\_ | | \_ | \_ | | | | \_ | \_ |\_|\_|\_| | |

|  |  |  |  |
| --- | --- | --- | --- |
| n3.1 | Do you currently have any outstanding loans? | 0. [ ] No  1. [ ] Yes | 0. n4.1  1. n3.2 |
| n3.2 | What is the value of the current outstanding loan ?  Note to surveyor: If there is more than one loan, sum up the amount of all the loans and write the total | |\_|\_|\_|\_|\_|\_|\_| | n3.3 |
| n3.3 | From where did you take these loans?  ***Note to Surveyor:*** Do not prompt. Select all that apply. | 1. [ ] Advance from employer  2. [ ] Loan from friends and family  3. [ ] Loan from moneylender  5. [ ] Loan from bank  6. [ ] Loan from society  7. [ ] Loan from SHG  -98. [ ] Others:  Specify:\_\_\_\_\_\_\_\_ | n4.1 |
| n4.1 | Did you have insurance for any of the crops that you grew in the last 12 months? | 0. [ ] No  1. [ ] Yes | 0. n4.3  1. n4.2 |
| n4.2 | From where did you take this insurance?  ***Note to Surveyor:*** Do not prompt. Select all that apply. | 1. [ ] Government  2. [ ] Scheduled Bank  3. [ ] Co-operative Bank  4. [ ] Credit Society  5. [ ] NGO  6. [ ] Private insurance company  -98. [ ] Other: Specify\_\_\_\_\_\_\_ | n4.3 |
| n4.3 | Have you already purchased or plan to purchase crop insurance for cotton in this upcoming Kharif season of 2018? | 1. [ ] Yes, already purchased  2. [ ] No, and does not plan to purchase later  3. [ ] No, but plans to purchase insurance later | n5.1 |
| n5.1 | How do you plan on financing your upcoming agriculture expenses of the Kharif season of 2018? | 1. [  ] Savings 2. [ ] Selling assets  3. [  ] Loans/Credit  4. [ ] Financial assistance from friends and family  5. [ ] Credit from agro dealers -98. [  ] Other: Specify:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. n6.1  2. n6.1  3. n5.2  4. n6.1  5. n6.1 |
| n5.2 | From where would you take the loan/credit?  ***Note to Surveyor:*** Do not prompt. Select all that apply. | 1. [ ] Advance from employer  2. [ ] Loan from friends and family  3. [ ] Loan from moneylender  5. [ ] Loan from bank  6. [ ] Loan from society  7. [ ] Loan from SHG  -98. [ ] Others:  Specify: \_\_\_\_\_\_\_\_\_\_ | n6.1 |
| n6.1 | During the upcoming Kharif season of 2018, if you needed to come up with Rs.5000 in 3 days for an agriculture expense, could you get this money? | 1. [  ] Yes, it would not be difficult 2. [  ] Yes, but it would be difficult 3. [  ] Probably cannot get this money 4. [  ] No | 1. n6.2  2. n6.2  3. Section O 4. Section O |
| n6.2 | How would you get this money? | 1. [  ] Savings 2. [ ] Selling assets  3. [  ] Loans and Credit  4. [ ] Financial assistance from friends and family -98. [  ] Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 1. Section O  2. Section O  3. n6.3  4. Section O  -98. Section O |
| n6.3 | From where would you take the loan/credit?  ***Note to Surveyor:*** Do not prompt. Select all that apply. | 1. [ ] Advance from employer  2. [ ] Loan from friends and family  3. [ ] Loan from moneylender  5. [ ] Loan from bank  6. [ ] Loan from society  7. [ ] Loan from SHG  -98. [ ] Others:  Specify: \_\_\_\_\_\_\_\_\_\_ | Section O |

## Section O Form 2

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| o1 | (If v9 = 0), Thank you, we are at the end of the first part of our survey. There are a few more questions that I would like to ask you specifically about your plot ${plot marker of the primary/secondary plot}. For doing this, we would first have to go to this plot. Over there, I would ask you a few questions and then tell you about the third part of the study. Are you ready to come along with me to the plot right away and continue to the second part of the survey? | 0. [ ] No  1. [ ] Yes | 0. o2  1. o3 |
| note.o1 | Note to surveyor: Please schedule a revisit date with the farmer to go the plot of interest and fill the form. Make sure that this revisit date is when the plot is completely fallow and the soil on the plot is completely dry. | date\_revisit |  |
| date\_revisit | Revisit date | Exit |  |
| note.o2 | Note to surveyor: Please save your progress and go the plot. When you are at the plot, continue the Form. | Exit. |  |

|  |  |  |  |
| --- | --- | --- | --- |
| o4 | (If v9 = 1) Thank you, we are at the end of the first part of our survey. There are a few more questions that I would like to ask you specifically about your plot ${plot marker of the primary/secondary plot}. Are you ready to continue to the second part of the survey right away? | 0. [ ] No  1. [ ] Yes | 0. note.o5  1. Form 2 |
| note.o5 | ***Note to surveyor:*** Please schedule a revisit date with the farmer to fill the form 2. Make sure that this revisit date is when the plot is completely fallow and the soil on the plot is completely dry. | Exit. |  |

FORM 2

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| intro2 | In this survey, I would mainly ask you questions about this plot. Please make sure that you respond separately for this plot only. If there is any that you cannot recall or you don’t know, you can tell me that anytime. Are you ready to proceed? | 0. [ ] No  1. [ ] Yes | 0. End1  1. Section |

## Section A2 Survey Information

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| a21.1 | Please type the district code |  | a21.2 |
| a21.2 | Is the district ${*district name shows up from preloaded data*}? | 0. [ ] No  1. [ ] Yes | 0. a21.3  1. a21.4 |
| a21.3 | Which district is it? |  | a21.4 |
| a21.4 | Please type the block code |  | a21.5 |
| a21.5 | Is the block ${*block name shows up from preloaded data*}? | 0. [ ] No  1. [ ] Yes | 0. a21.6  1. a21.7 |
| a21.6 | Which block is it? |  | a21.7 |
| a21.7 | Please type the village code |  | a21.8 |
| a21.8 | Is the village ${*village name shows up from preloaded data*}? | 0. [ ] No  1. [ ] Yes | 0. a21.9  1. a22.2 |
| a21.9 | Which village is it? |  | a22.1 |
| a22.1. | Please enter interviewer code (your ID) | |\_|\_|\_| | a22.2 |
| a22.2 | Please enter supervisor code (your supervisor’s ID) | |\_|\_|\_| | a22.3 |
| a22.3 | Please enter respondent’s unique ID | |\_|\_|\_|\_|\_|\_| | a22.4 |
| a22.4 | Please enter respondent’s serial number in the tracking sheet |  | date2 |
| date2 | Is today ${*date calculated from surveyCTO*}? | 0. [ ] No  1. [ ] Yes | 0. date\_f2  1. time |
| date\_f2 | Please select today’s date |  | time |
| time | Is the time right now ${*time calculated from surveyCTO*}? | 0. [ ] No  1. [ ] Yes | 0. time\_f  1. a23 |
| time\_f | Please select the time. |  | a23 |
| a23 | Please select the plot at which you are conducting the survey with the respondent. | ${list of plot markers stored in d2.1 to appear in the choice list} |  |

If the selected plot is the same as the primary/secondary plot-

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| note.a21 | The plot that you are at is the same as the plot that was identified before as the most important plot. Please go ahead. |  | a23 |

If the selected plot is not the same as the primary/secondary plot-

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| note.a22 | The plot that you are at is not the same as the plot that was identified before as the most important plot. Please ask the farmer to take you to the plot with the name ${plot marker of the primary/secondary plot}, and then restart the form when you are there. |  | Exit |

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| a23 | Did you just come to this plot or were you filling the form 1 on this plot itself, or is it a revisit? | 0. [ ] Have been on this plot  1. [ ] Just came to this plot  2. [ ] This is a revisit | 0. note.a24  1. note.a23  2. note.a25 |
| note.a23 | Thank you for all the responses that you have given till now and for coming till this plot with me. | a24.1/a24.2 |  |
| note.a24 | Thank you for all the responses that you have given till now. | a24.1/a24.2 |  |
| note.a25 | Thank you for the responses that you had given in the previous visit and for coming till this plot with me. | a24.1/a24.2 |  |

If farmer has more than one cotton plot-

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| a24.1 | I would now be collecting some specific information about this plot and some other information about your fertilizer use. I will specify which questions are for this plot only and which questions are for your total cotton use. Please make sure that the plot specific answers are only for this plot where we stand. If there is any that you cannot recall or you don’t know, you can tell me that anytime. Are you ready to proceed? | 0. [ ] No  1. [ ] Yes | 0. Exit  1. Section P |

If farmer has only one cotton plot-

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| a24.2 | I would now be collecting some specific information about this plot and some other information about your fertilizer use. If there is any that you cannot recall or you don’t know, you can tell me that anytime. Are you ready to proceed? | 0. [ ] No  1. [ ] Yes | 0. Exit  1. Section P |

## Section P Soil Sample Plot

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
|  | (Following responses from form 1 are displayed to the surveyor) |  |  |
| p1.1 | Plot marker of the selected plot |  |  |
| p1.2 | Landsize of the selected plot |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| p2 | In how much area of this plot did you grow cotton in the Kharif season of 2017? |  | **p2.1** |
| p2.1 | Enter area | |\_| \_ | \_ | | **p2.2** |
| p2.2 | Select unit | 1. [ ] Bigha  2. [ ] Acre  3. [ ] Guntha  4. [ ] Hectare | **p3** |
| p3 | What is the soil type of this plot? | 1. [ ] Black  2. [ ] Medium Black  3. [ ] Sandy  4. [ ] Loam  5. [ ] Hill  6. [ ] Mixed sand and Black  7. [ ] Salt-affected  -98. [ ] Others:  Specify:\_\_\_\_\_\_\_ | **p4** |
| p4.1 | What area of this plot was irrigated in the Kharif season of 2017? | | \_ | \_ | | **p4.1=0, 05**  **p4.1>0, p4.2** |
| p4.2 | What was the source of irrigation dependent upon? | 1. [ ] Rainfall  2. [ ] Underground water  3. [ ] Nearby water / Dam  -98. [ ] Others:  Specify:\_\_\_\_\_\_ | **p5** |
| p5 | How many times did you harvest cotton from this plot in the Kharif Season of 2017? | Number of times:  | \_ | \_ | | **p6** |
| p6 | What was the total quantity of cotton harvested from this plot? |  | **p6.1** |
| p6.1 | Enter quantity | |\_|\_|\_|\_| | **p6.2** |
| p6.2 | Select unit | 1.[ ] Kg  2. [ ] Maund  3. [ ] Quintal  4. [ ] Pula | **p7** |
| p7 | Did you cultivate any other crop on this plot during the kharif season of 2017? | 0. [ ] No  1. [ ] Yes  -96. [ ] Don’t remember | **0. p9**  **1. p8**  **-96. p9** |
| p8 | Please tell me the name of all the crops that you had grown on this plot in the Kharif season of 2017. | 1. [ ] Cotton  2. [ ] Groundnut  3. [ ] Castor  4. [ ] Sorgam  5. [ ] Millet  6. [ ] Pulses  -98. [ ] Other | **p9** |
| p9.1 | Did you grow any Rabi crop on this plot in the Rabi season of 2017-18? | 0. [ ] No  1. [ ] Yes | **0. p10**  **1. p9.2** |
| **p9.2** | Please tell me the name of the crops. | 1. [ ] Wheat  2. [ ] Cumin  3. [ ]  4. [ ]  -98 [ ] Other | **p9.3** |
| p9.3 | Have you finished the harvesting of the rabi crops you cultivated in the Rabi season of 2017-18? | 0. [ ] No  1. [ ] Yes | **0. p9.4**  **1. p10** |
| p9.4 | When are you planning to finish the harvesting of all the rabi crops that you mentioned. |  | **p9.3.1** |
| p9.4.1 | Select Month |  | **p9.3.2** |
| p9.4.2 | Select Week of the Month |  | **p10** |
| p10 | On how much area of this plot do you plan to grow cotton in the Kharif season of 2018? |  | **p11** |
| p11 | Will you be irrigating the cotton on this plot? |  | **Section Q** |

## Section Q Fertilizer Usage

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| **note.q1** | I would like to ask you regarding fertilizer usage for cotton during the Kharif Season of 2017. |  | **q1** |
| **q1** | **Did you use any chemical fertilizers for your cotton in the Kharif season of 2017?** | 0. [ ] No  1. [ ] Yes | **0. q2**  **1. q3** |
| **q2** | **Why did you not use any chemical fertilizers for your cotton in the Kharif season of 2017?** | 1. [ ] No money  2. [ ] Too costly  3. [ ] Not necessary  4. [ ] No access  5. [ ] Advice from agro-dealer  6. [ ] Advice from another farmer  7. [ ] Never used  -98. [ ] Other, | **Section G** |

For farmers who have more than one cotton plots-

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |  |
| **q3** | Did you use ${fertilizer name from the list} for your cotton cultivation on any of the plots in the Kharif season of 2017? | 0. [ ] No  1. [ ] Yes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **q4** | How much of ${fertilizer name from the list} did you use on your total cotton cultivated across plots? |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **q4.1.** | Quantity of fertilizer | **|\_|\_|\_|** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **q4.2** | Unit | 1. [ ] Kilo  2. [ ] Liter  3. [ ] Gram  4. [ ] Milliliter  5. [ ] Bag |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **q4.3** | Size of the bag | **|\_|\_|\_|** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **q4.4** | Unit of bagsize | 1. [ ] Kilo  2. [ ] Liter  3. [ ] Gram  4. [ ] Milliliter |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

For farmers who have more than one cotton plots & for farmers who have only one cotton plot.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |  |
| **q5** | Did you use ${fertilizer name from the list} for your cotton cultivation on this plot in Kharif season of 2017? | 0. [ ] No  1. [ ] Yes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **q6** | Why did you not use ${fertilizer name from the list}? | 1. [ ] No money  2. [ ] Too costly  3. [ ] Not necessary  4. [ ] No access  5. [ ] Advice from agro-dealer  6. [ ] Advice from another farmer  7. [ ] Never used  -98. [ ] Other, Specify:\_\_\_\_\_ |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **q7** | How much of ${fertilizer name from the list} did you use for your total cotton cultivated on this plot? |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **q7.1** | Quantity of fertilizer | **|\_|\_|\_|** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **q7.2** | Unit | 1. [ ] Kilo  2. [ ] Liter  3. [ ] Gram  4. [ ] Milliliter  5. [ ] Bag |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **q7.3** | Size of the bag | **|\_|\_|\_|** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **q7.4** | Unit of bag size | 1. [ ] Kilo  2. [ ] Liter  3. [ ] Gram  4. [ ] Milliliter |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **q8** | In how many total doses did you use ${fertilizer name from the list} on this plot? |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **q8** | How much did you use in your ${dose number}? |  |  | **dose1** | **dose2** | **dose3** | **dose4** | **dose5** |
| **q8.1** | Quantity of fertilizer | **|\_|\_|\_|** |  |  |  |  |  |  |
| **q8.2** | Unit | 1. [ ] Kilo  2. [ ] Liter  3. [ ] Gram  4. [ ] Milliliter  5. [ ] Bags |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| **q9** | Is this the optimal amount of this fertilizer for your cotton on this plot? | 0. [ ] No  1. [ ] Yes  -97. [ ] Don’t Know | **0. q10**  **1. Section G**  **-97. Section G** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **q10** | Why were you not able to apply the optimal amount on this plot? | 1. [ ] No money  2. [ ] Too costly  3. [ ] Not necessary  4. [ ] No access  5. [ ] Advice from agro-dealer  6. [ ] Advice from another farmer  -98. [ ] Other, Specify:\_\_\_\_\_ | **Section G** |  |  |  |  |  |  |  |  |  |  |  |  |  |

## Section G Yield Gaps

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| note.g1 | Thank you for telling me about the fertilizers that you used last year on this plot. Now I would ask you a few questions regarding your farming plans for the upcoming season. |  | g1 |
| g1 | In this upcoming Kharif season of 2018, based on your current plan (taking fertilizer use, seed variety, pesticide use, etc.), what would be the maximum yield that you think you will be able to get from this plot? |  | g1.1 |
| g1.1 | Enter value | **|\_|\_|\_|\_|** | g1.2 |
| g1.2 | Select unit for quantity | 1.[ ] Kg  2. [ ] Maund  3. [ ] Quintal  4. [ ] Pula | g1.3 |
| g1.3 | From how much land? | **|\_|\_|\_|\_|** | g1,4 |
| g1.4 | Select unit for land | 1. [ ] Bigha  2. [ ] Acre  3. [ ] Hectare  4. [ ] Guntha | note.g2 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| qno | Question | **choices** | **go-to** | **1.Urea** | **2.DAP** | **3.MOP** | **4.Iron** | **5.Zonc** | **6.Sulphur** |
| note.g2 | What do you think are the optimal amounts of fertilizer for cotton cultivation on your plots? |  | g2.1 |  |  |  |  |  |  |
| g2.1 | Enter value for quantity | **|\_|\_|\_|\_|** | g2.2 |  |  |  |  |  |  |
| g2.2 | Select unit for quantity | 1. [ ] Kilos  2. [ ] Litre  3. [ ] Grams  4. [ ] Millilitres  5. [ ] Bags | 1. g2.5  2. g2.5  3. g2.5  4. g2.5  5. g2.3 |  |  |  |  |  |  |
| g2.3 | Quantity in each bag | **|\_|\_|\_|** | g2.4 |  |  |  |  |  |  |
| g2.4 | Select unit for quantity | 1. [ ] Kilos  2. [ ] Litre  3. [ ] Grams  4. [ ] Millilitres | g2,5 |  |  |  |  |  |  |
| g2.5 | In how much land? | **|\_|\_|\_|\_|** | g2.6 |  |  |  |  |  |  |
| g2,6 | Select unit for land | 1. [ ] Bigha  2. [ ] Acre  3. [ ] Hectare  4. [ ] Guntha | g3 |  |  |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| g3 | Assuming that you are able to use the optimal amount of fertilizer that you cited above, what do you think would be the maximum yield that you will be able to get from this cotton plot? |  | g3.1 |
| g3.1 | Enter value | **|\_|\_|\_|\_|** | g3.2 |
| g3.2 | Select unit for quantity | 1.[ ] Kg  2. [ ] Maund  3. [ ] Quintal  4. [ ] Pula | g3.3 |
| g3.3 | From how much land? | **|\_|\_|\_|\_|** | g3.4 |
| g3.4 | Select unit for land | 1. [ ] Bigha  2. [ ] Acre  3. [ ] Hectare  4. [ ] Guntha | g4 |
| g4 | If you were able to make optimal investments not just in fertilizers, but also in pesticides, seed variety and all the other inputs and practices for your cotton, what do you think would be the maximum yield that you will be able to get from your this cotton plot? |  | g4.1 |
| g4.1 | Enter value | **|\_|\_|\_|\_|** | g4.2 |
| g4.2 | Select unit for quantity | 1.[ ] Kg  2. [ ] Maund  3. [ ] Quintal  4. [ ] Pula | g4.3 |
| g4.3 | From how much land? | **|\_|\_|\_|\_|** | g4.4 |
| g4.4 | Select unit for land | 1. [ ] Bigha  2. [ ] Acre  3. [ ] Hectare  4. [ ] Guntha | Section H |
| note.g3 | Now, I’d like to ask questions about where you find different types of fertilizers. | g5 |  |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| serial | g5 | g5.1 Do you know where to buy ${input name in g5} from? | g5.2 Where would you buy this input from? | g5.3 How far away is the place from where you would buy this input? Please mention the mode of transport and how much time it takes | | |
| g5.3.1 Mode of transport | g5.3.2 Time taken | g5.3.3 Distance in Kilometers |
| 1. | MOP / Urea / DAP | 1. [ ] Yes  2. [ ] No |  | 1. [ ] Walk  2. [ ] Cycle  3. [ ] Auto  4. [ ] Car  5. [ ] Tempo  6. [ ] Truck  -98. [ ] Others:  Specify:\_\_\_\_\_\_ | 1. [ ] Minutes: | \_ | \_ |  2. [ ] Hours: | \_ | \_ | | Distance:  | \_ | \_ | |
| 4. | Zinc | 1. [ ] Yes  2. [ ] No |  | 1. [ ] Walk  2. [ ] Cycle  3. [ ] Auto  4. [ ] Car  5. [ ] Tempo  6. [ ] Truck  -98. [ ] Others:  Specify:\_\_\_\_\_\_ | 1. [ ] Minutes: | \_ | \_ |  2. [ ] Hours: | \_ | \_ | | Distance:  | \_ | \_ | |
| 5. | Iron | 1. [ ] Yes  2. [ ] No |  | 1. [ ] Walk  2. [ ] Cycle  3. [ ] Auto  4. [ ] Car  5. [ ] Tempo  6. [ ] Truck  -98. [ ] Others:  Specify:\_\_\_\_\_\_ | 1. [ ] Minutes: | \_ | \_ |  2. [ ] Hours: | \_ | \_ | | Distance:  | \_ | \_ | |
| 6. | Sulphur | 1. [ ] Yes  2. [ ] No |  | 1. [ ] Walk  2. [ ] Cycle  3. [ ] Auto  4. [ ] Car  5. [ ] Tempo  6. [ ] Truck  7. [ ] Bike  -98. [ ] Others:  Specify:\_\_\_\_\_\_ | 1. [ ] Minutes: | \_ | \_ |  2. [ ] Hours: | \_ | \_ | | Distance:  | \_ | \_ | |

## Section R Collect Soil Sample

|  |  |  |  |
| --- | --- | --- | --- |
| **qno** | **question/script** | **choices** | **go-to** |
| note.r1 | We are at the end of the survey. I would just like to confirm a few things about this plot. |  |  |
| r1 | As a part of the study, we would now be collecting soil sample from this plot. Are you okay with me collecting the soil sample today from the plot? | 0. [ ] No  1. [ ] Yes | 0. r5  1. r2 |
| address | **Please tell me the address for posting the soil health card (with PINCODE)** |  |  |
| r2 | Is there any fertilizer on this plot? | 0. [ ] No  1. [ ] Yes | 0. r3  1. note.r2 |
| r3 | Is the soil of this plot wet? | 0. [ ] No  1. [ ] Yes | 0. r4  1. note.r2 |
| r4 | ***Note to surveyor:*** Is there a standing crop on this plot? | 0. [ ] No  1. [ ] Yes | 0. note.r3  1. note.r2 |
| note.r2 | ***Note to surveyor:*** According to the information provided, sample collection is not possible today. |  | r5 |
| note.r3 | ***Note to surveyor:*** According to the information provided, sample collection is possible today. |  | End1 |
| r5 | Based on your response, we cannot collect soil sample from your plot today. Is the sample collection possible on any future date in the next 6 weeks? | 0. [ ] No  1. [ ] Yes | 0. r6  1. note.r4 |
| r6 | **Please tell me the reason why it would not be possible before the 1st week of May** | 1. [ ] Crop will not be harvested in this period  2. [ ] Soil will not be dry in this period  3. [ ] I am not interested  -98. [ ] Other  Specify:\_\_\_\_\_\_ | End2 |
| note.r4 | ***Note to surveyor:*** Please make a note of the suggested date / week given by the farmer for revisit and thank the farmer for their time | Date: | End 3 |
| End1 | Thank you so much for all the information that you have provided today. I would now collect soil sample from your field that will be sent for testing. You will not be charged any amount for this. The reports will be given to anytime between June and December 2018.  ***Note to Surveyors:*** Please open and fill form 3 right now and then collect the sample |  | Exit |
| End2 | Thank you so much for all the information that you have provided today.  ***Note to Surveyors:*** Form 3 for this farmer will not be filled, and the survey will be ended |  | Exit |
| End3 | Thank you so much for all the information that you have provided today. I would come back later to collect soil sample from your field that will be sent for testing. You will not be charged any amount for this. The reports will be given to anytime between June and December 2018.  ***Note to Surveyors:*** Form 3 for this farmer will not be opened right now. The survey will be ended,and form 3 filled at a later date |  | Exit |