

<i>AGRICULTURAL INFORMATION CONSENT FORM</i>
<u>An Impact Evaluation of a Mobile Agricultural Extension Program</u>
Shawn Cole, Harvard Business School; Nilesh Fernando, Harvard Kennedy School
<p>The purpose of this study is to understand how different sources of agricultural information affect your agricultural practices and well being. The study has been extended from one year to two years starting from the initial survey to the last survey. As a part of this study, you have participated in an initial survey conducted in July 2011 and routine monthly phone surveys. Your participation in this paper survey will take about two hours and your participation in the phone surveys will be about 30 minutes bimonthly for the next 12 months. If you have any questions about the study, they will be answered for you. After the first paper survey, a random and fair lottery determined whether you were a part of a service that receives agricultural information on your mobile phone. This service allows you to receive agricultural information on your mobile phone in the form of push calls from CMF; these push calls are delivered weekly and each message is about 3-5 minutes in length. It also allows you to use your mobile phone to call into a phone line and ask questions and hear pre-recorded advice about agriculture. Other than the weekly push calls, your involvement with the service remains your discretion.</p>
<p>For your participation in the study, you will receive a phone top-up value of Rs. 50 for the paper surveys and a Rs. 20 top-up for the phone surveys as an official thank you from the researchers at Harvard University.</p>
<p>Your participation in this study is purely voluntary, and you may withdraw your participation or your data at any time without any penalty to you. You may decline to answer any question. Additionally, your relationship and activities with DSC, Sajjata Sangh (SS) or other NGOs will not be affected by your answers in this survey at all. No one except the CMF research team will be able to see your personal information. Your responses will also not be shared in an</p>
<p>Furthermore, we will be asking you some questions about your top agricultural contacts. We will ask you to provide us with their contact information, after which we will contact them to ask them the same questions that we ask you today and offer them the same compensation. By doing this, we hope to understand with more accuracy how you and your contacts discuss and make decisions about agriculture. You may refuse to give this information; your contacts may also refuse to participate in the study at any point. In the latter case, any information you have provided about them will be</p>
<p>Your data will be kept completely confidential in a secure location in the Ahmedabad CMF office. Once the research is completed, the paper documents will be destroyed. An electronic version of the data will be stored at Harvard Business School, without any personally identifiable information. These data may be made available to other researchers, again</p>
<p>You can also contact Tanaya Devi (email tanaya.devi@ifmr.ac.in) or Lisa Nestor (email lisa.nestor@ifmr.ac.in) at +91 79 4007 3682/3 at the Ahmedabad Office of Centre for Microfinance. If you feel you have been treated unfairly, or you have questions regarding your rights as a research subject, you may contact the Director of the Institute of Rural Management Anand (IRMA), Dr. Vivek Bhandari, at 02692 261230 (Ext: 601) or by email at vivek@irma.ac.in or</p>
<p>Do you agree to participate in the study?</p>
<p>YES..... 1</p>
<p>NO..... 2 → END</p>
<p>We may record this survey to improve the quality of our survey in future rounds. This recording will be kept completely confidential following already outlined data security procedures.</p>
<p>Do you agree to have this survey recorded?</p>
<p>YES..... 1 → BEGIN SURVEY</p>
<p>NO..... 2 → DO NOT RECORD, BEGIN SURVEY</p>

INTERVIEWER: COMPLETE BEFORE BEGINNING THE MODULE			
0.1A	Block Name: _____	B. Block Number: <input type="text"/> <input type="text"/>	
0.2A	District Name: _____	B. District Number: <input type="text"/> <input type="text"/>	
0.3A	Village name: _____	B. Village Number: <input type="text"/> <input type="text"/> <input type="text"/>	
0.4	Household ID Number: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		
0.5	Respondent ID Number: <input type="text"/> <input type="text"/>		
0.51	Is the original respondent available:	Yes No	→ Surveyor Checkpoint
0.52	Why is the original respondent not available:	Out of Village Not interested in survey Due to Death Others (Specify)	
0.53	Respondent substitute name:		
	Household ID Number <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		
SURVEYOR CHECKPOINT: Group: <input type="text"/>			
		If A --> FILL SURVEY FORM, SECTION A5 AND Z(B)	
		If B --> FILL SURVEY FORM AND SECTION Z(A)	
		If C --> FILL SURVEY FORM AND SECTION A5	
		If D --> FILL SURVEY FORM ONLY	
NOTE: Make sure the respondent is the CHIEF AGRICULTURAL DECISION-MAKER of the household.			
	Crops grown:	Cotton Y N Wheat Y N Cumin Y N	
0.6	Household Address: _____		
0.7	Landline Telephone: _____		
0.8A	Primary Mobile Telephone No.: _____		
NOTE: Confirm that this number is the same as in the respondent list. Also give the respondent a missed call to make sure the number is correct. If the number is not the same, write down new number and give it a missed call. Make sure that this number is the respondent's own or one that he has regular access to, i.e. should be within the household.			
0.8B	Mobile Network 1: _____		
0.8C	Alternate Mobile No: _____		
NOTE: Double-check mobile number with household. If there is no number in 0.8A, there should be no number written here.			
0.8D	Mobile Network 2: _____		
0.9	Interviewer Name: _____		

0.10A	Date of visit 1:	Day	<input type="text"/>	Month	<input type="text"/>	Year	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
0.10B	Start Time 1 :	Hour	<input type="text"/>	Min	<input type="text"/>					
0.10C	End Time 1:	Hour	<input type="text"/>	Min	<input type="text"/>					
Note: If it takes more than one visit to finish surveying the household, please record the time of second visit on the following page.										
0.11A	Date of visit 2:	Day	<input type="text"/>	Month	<input type="text"/>	Year	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
0.11B	Start Time 2 :	Hour	<input type="text"/>	Min	<input type="text"/>					
0.11C	End Time 2:	Hour	<input type="text"/>	Min	<input type="text"/>					
INTERVIEWER: COMPLETE AFTER FINISHING THE MODULE										
0.12	COMPLETED:					YES.....	1			
						NO.....	2			

COMPLETE AFTER FINISHING THE MODULE										
SCRUTINIZED BY (Name of supervisor) _____										
Date:	Day	<input type="text"/>	Month	<input type="text"/>						
SCRUTINIZED BY (Name of monitor) _____										
Date:	Day	<input type="text"/>	Month	<input type="text"/>						
BACKCHECKED BY (Name of supervisor) _____										
Date:	Day	<input type="text"/>	Month	<input type="text"/>						
BACKCHECKED BY (Name of monitor) _____										
Date:	Day	<input type="text"/>	Month	<input type="text"/>						

SECTION A: HOUSEHOLD INFORMATION				
INTERVIEWER: To begin, we will ask you some basic questions about you and your household.				
A0. BASIC HOUSEHOLD INFORMATION				
A0.1	What is the name of the head of the household?			
A0.2	What is the age of the head of the household?	AGE		
		AGE RANGE		
		DON'T KNOW	999	
A0.3	Is this person male or female?	MALE	1	
		FEMALE	2	
A0.4	Who is the person who makes all the agricultural decisions?			
INTERVIEWER CHECKPOINT: FOR THIS MODULE INTERVIEW THE PERSON WHO MAKES ALL DECISIONS RELATED TO AGRICULTURE.				
A0.5	Name of the respondent NOTE: NOTE: Match name in A0.4. If there is a name in A0.53, then match name there			
A0.6	Are you the head of the household?	YES	1	→A0.8
		NO	2	
A0.7	Relationship to the head of the household	SPOUSE / PARTNER	1	
		SON / DAUGHTER	2	
		SON-IN-LAW / DAUGHTER-IN-LAW	3	
		STEPSON / STEPDAUGHTER	4	
		GRANDCHILD	5	
		BROTHER / SISTER	6	
		BROTHER-IN-LAW / SISTER-IN- LAW	7	
		FATHER / MOTHER	8	
		FATHER-IN-LAW / MOTHER-IN-LAW	9	
		OTHER FAMILY (SPECIFY)	10	
		OTHER (SPECIFY)	888	
A0.8	INTERVIEWER CHECKPOINT: Is the respondent male or female?	MALE	1	
		FEMALE	2	
A0.9	How many people are in this household?			
	READOUT: By that I mean all people, including children, who 1) live under this "roof" or within the same house at least 30 days in the past year, and 2) when they are together , they share food.			

A1. HOUSEHOLD ROSTER				
INTERVIEWER CHECKPOINT: ASK THE FOLLOWING QUESTIONS FOR THE MAIN RESPONDENT (I.E. THE AGRICULTURAL DECISION MAKER).				
A1.1	How old are you now?	AGE		
		AGE RANGE		
		DON'T KNOW	999	
A1.2	Can you read and write?	READ ONLY	1	
		WRITE ONLY	2	
		READ AND WRITE	3	
		NEITHER READ NOR WRITE	4	
A1.3	What is the highest education level of education that you have completed?	CLASS 1	1	
		CLASS 2	2	
		CLASS 3	3	
		CLASS 4	4	
		CLASS 5	5	
		CLASS 6	6	
		CLASS 7	7	
		CLASS 8	8	
		CLASS 9	9	
		CLASS 10	10	
		CLASS 11	11	

		CLASS 12	12	
		GRADUATE AND ABOVE	13	
		OTHER DIPLOMA	14	
		DID NOT COMPLETE CLASS 1	15	
		NEVER ATTENDED SCHOOL	16	
		OLD AGE EDUCATION	17	
		OTHER (specify)	888	
A1.4	What is your main occupation? (ONLY ONE ANSWER)	OWN FARM ACTIVITIES (inc. MILK SALES)	1	
		AGRICULTURAL LABORER	2	
		CASUAL LABOUR, NONAGRICULTURE	3	
		SALARIED EMPLOYMENT	4	
		PETTY BUSINESS/TRADE/MANF	5	
		UNEMPLOYED	6	
		STUDENT	7	
		DOMESTIC DUTIES ONLY	8	
		RETIRED/TOO OLD	9	
		DISABLED/HANDICAPPED	10	
		NOT WORKING / TOO YOUNG	11	
		OTHER (Specify)	888	
A1.9	Do you hold or have held in the past one year, any position of authority?	YES	1	
		NO	2	→ A3.1
		DON'T KNOW	999	→ A3.1
A1.10	Which positions have you held (hold)?	LOCAL PANCHAYAT MEMBER	1	
		GP PRADHAN/DEPUTY SARPANCH	2	
		HIGHER PANCHAYAT MEMBER (TALUKA/ZILLA)	3	
		MEMBER OF ANY MANDAL / MANDALI (EXCLUDING PANCHAYAT AND AGAKHAN)	4	
		MANTRI OF AN ORGANISATION (EXCEPT PANCHAYAT AND AGAKHAN)	5	
		AGAKHAN MEMBER/MANTRI	6	
		OTHER (specify)	888	
		DON'T KNOW	999	

A3. HOUSEHOLD INCOME

A3.1	From which sources did you make money from the start of the last Kharif season until now? How much?				
	NOTE: Make sure the respondent gives INCOME, but if the respondent is not able to, then record profit and tick profit box				Income or profit?
		YES	NO	If yes, how much?	I=1, P=2
	1. Agriculture- own cultivation	1	2	Rs.	1 2
	2. Agricultural labour	1	2	Rs.	1 2
	3. Own farm enterprise (inc. milk sales)	1	2	Rs.	1 2
	4. Casual Labour	1	2	Rs.	1 2
	5. Regular wage/salary (Diamond workers)	1	2	Rs.	1 2
	6. Non-agri. enterprise (tea shop)/Petty Business	1	2	Rs.	1 2
	7. Rent	1	2	Rs.	1 2
	8. Employment Generation Schemes	1	2	Rs.	1 2
	9. Remittances	1	2	Rs.	1 2
	10. Interests and Dividends	1	2	Rs.	1 2
	11. Pension	1	2	Rs.	1 2
	12. Gift/ Donation	1	2	Rs.	1 2
	13. Other (specify)	1	2	Rs.	1 2

A4. CELL PHONE USE

	We are going to ask you some questions about your familiarity with using cellphones	
	INTERVIEWER CHECKPOINT: Please make sure that we are asking questions about the number and phone listed in 0.8A	

A4.1	Are you the primary user of this cell phone?(i.e. do you use it more than anyone else in the household)	Yes	1	→ A4.3
		No	2	
A4.2	If not, who is the main user?	SPOUSE / PARTNER	1	
		SON / DAUGHTER	2	
		SON-IN-LAW / DAUGHTER-IN-LAW	3	
		STEPSON / STEPDAUGHTER	4	
		GRANDCHILD	5	
		BROTHER / SISTER	6	
		BROTHER-IN-LAW / SISTER-IN- LAW	7	
		FATHER / MOTHER	8	
		FATHER-IN-LAW / MOTHER-IN-LAW	9	
		OTHER FAMILY (SPECIFY)	10	
		OTHER (SPECIFY)	888	
		A4.3	Do you share use of this cellphone with others?	
No				
A4.4	Who do you share your cellphone with?	SPOUSE / PARTNER	1	
		SON / DAUGHTER	2	
		SON-IN-LAW / DAUGHTER-IN-LAW	3	
		STEPSON / STEPDAUGHTER	4	
		GRANDCHILD	5	
		BROTHER / SISTER	6	
		BROTHER-IN-LAW / SISTER-IN- LAW	7	
		FATHER / MOTHER	8	
		FATHER-IN-LAW / MOTHER-IN-LAW	9	
		OTHER FAMILY (SPECIFY)	10	
		OTHER (SPECIFY)	888	
		A4.5	Roughly, how much money do you spend on cellphone usage in 1 month?	
A4.6	How long have you been using cellphones? (Note, this is not about this phone, but in general)		Month	
			Year	
A4.7	Do you know how to send and receive text messages?	Can send	1	→ A4.10
		Can receive	2	
		Can receive and send	3	
		Can do neither	4	
A4.8	Do you know how to clear the inbox to make more room for new messages?	Yes	1	
		No	2	
A4.9	In which language can your cell-phone receive messages? (MULTIPLE ANSWERS POSSIBLE)	Gujarati	1	
		Hindi	2	
		English	3	
		Don't Know	999	
A4.10	Do you <i>personally</i> know how to charge the cell phone?	Yes	1	
		No	2	

SECTION B1 - AGGREGATE LANDHOLDINGS AND CONTRACTUAL STRUCTURE

INTERVIEWER NOTE: Fill out plot table on next page until Plot Status before starting this section.

B1.1	How much land do you own in total (this includes agricultural land as well as all other land)?	Area		Unit		
				a	b	g
B1.2	Do you presently own any cultivable land?	1. Yes 2. No	If yes, No of plots			
		1	2			
				a	b	g
B1.3	Did you own cultivable land last Kharif (2011)?	1	2			a b g
						→ If no, then B1.5a
B1.4a	During the Last Kharif (2011) did you :	1. Yes 2. No	No of plots	Area	Unit	you earn from these last 12 months?
	1. Rent out any land?	1	2			a b g Rs.
	2. Have someone sharecrop on your land?	1	2			a b g Rs.(received).....Share of Output (received) 1/4, 1/2, 2/3, 3/4 other [specify]
	3. Pawn out any land?	1	2			a b g Rs.(received)
B1.5a	During the Last Kharif (2011) did you :	1. Yes 2. No	No of plots	Area	Unit	you earn from these last 12 months?
	1. Rent in any land?	1	2			a b g Rs.
	2. Sharecrop on someone's land?					a b g Rs.(paid).....Share of Output (paid) 1/4, 1/2, 2/3, 3/4 other [specify]
		1	2			
	3. Pawn in any land?					a b g Rs.(paid)
		1	2			
B1.4b	During the Last Rabi did you :	1. Yes 2. No	No of plots	Area	Unit	If yes: How much did you earn from these last 12 months?
	1. Rent out any land?	1	2			a b g Rs.
	2. Have someone sharecrop on your land?	1	2			a b g Rs.(received).....Share of Output (received) 1/4, 1/2, 2/3, 3/4 other [specify]
	3. Pawn out any land?	1	2			a b g Rs.(received)

B1.5b	During the Last Rabi did you :	1. Yes	No of plots	Area	Unit	If yes: How much did you earn from these last 12 months?
		2. No				
	1. Rent in any land?	1 2			a b g	Rs.
	2. Sharecrop on someone's land?	1 2			a b g	Rs.(paid).....Share of Output (paid) 1/4, 1/2, 2/3, 3/4 other [specify]
	3. Pawn in any land?	1 2			a b g	Rs.(paid)
		1 2				

SECTION B2. HOUSEHOLD LANDHOLDINGS AND PLOT DETAILS

Soil Codes

1-Black soil	4-Loam Soil	7-Salt-affected soil
2-Medium Black soil	5-Hill Soil	888-other (specify)
3-Sandy Soil	6-Mixed sand and black soil	

B2.1 Plot Table

INTERVIEWER CHECKPOINT: Please ask following questions for all plots the respondent owned and farmed (i.e. rented in, sharecropped or pawned in) during the Last Kharif (2011) and the Last Rabi (2011-12). *Once you reach Plot Status (B) and (C) use the plot status codes to fill in this in.*

Plot No.	Address/Marker [O=old; N=new; S=sold]	Area [A]		Plot Status Kharif 2011 [B]	Plot Status Rabi 2011-12 [C]	If grown, record area planted			Rainfed - 1 / Irrigated - 2 [G1]	Plot-wise Aggregate Input Expenditure				
		Size	Unit (A,B,G)			Cotton [D]	Wheat [E]	Cumin[F]		Irrigation Cost [G2]	Pesticides [H]	Fertilizer [I]	Seeds [J]	Soil [K]
1									1 2					
2									1 2					
3									1 2					
4									1 2					
5									1 2					
6									1 2					
7									1 2					
8									1 2					
9									1 2					
10									1 2					
B2.2		Total area of all plots (Add values from the "size" column)			Unit (A,B,G)									

INTERVIEWER CHECKPOINT: B2.2 = B1.3 + B1.5a (1 + 2 + 3) + B1.5b (1 + 2 + 3)?

YES	1
NO	2
If not, Why?	

SECTION H. HARVEST										
INTERVIEWER READOUT: Now we will ask you about the crops you grew during last Kharif or Rabi and your market opportunities for these crops.										
H 1.0	Did you grow the any of the following crops in the LAST KHARIF (2011) OR LAST RABI (2011-2012)?									
	Crop [A]	Cult.? [B]	Date of Harvest (ww/mm) [C]	Qty. Harvested [D]	Unit [E] maund-1, kilo-2, 3-quintal, 4-pula	Qty. Sold [F]	Unit [G] maund-1, kilo-2, 3-quintal, 4-pula	Price per unit [H]	Total Value of Output [I]	Date of Sale (mm/yy) [J]
1	Cotton	1 2	1. 2.		1 2 3 4		1 2 3 4			1. 2.
2	Castor	1 2	1. 2.		1 2 3 4		1 2 3 4			1. 2.
3	Wheat	1 2	1. 2.		1 2 3 4		1 2 3 4			1. 2.
4	Cumin	1 2	1. 2.		1 2 3 4		1 2 3 4			1. 2.
5	Bajri	1 2	1. 2.		1 2 3 4		1 2 3 4			1. 2.
6	Jowar	1 2	1. 2.		1 2 3 4		1 2 3 4			1. 2.
9	Sesame	1 2	1. 2.		1 2 3 4		1 2 3 4			1. 2.
10	Pulses	1 2	1. 2.		1 2 3 4		1 2 3 4			1. 2.
11	Vegetables	1 2	1. 2.		1 2 3 4		1 2 3 4			1. 2.
12	Corn	1 2	1. 2.		1 2 3 4		1 2 3 4			1. 2.
13	Groundnut	1 2	1. 2.		1 2 3 4		1 2 3 4			1. 2.
14	Rajko	1 2	1. 2.		1 2 3 4		1 2 3 4			1. 2.
15	Other 1		1. 2.		1 2 3 4		1 2 3 4			1. 2.
16	Other 2		1. 2.		1 2 3 4		1 2 3 4			1. 2.

SECTION K1: AGRICULTURAL INFORMATION				
INTERVIEWER NOTE: Do not mention Avaaj Otalo by name in these sections as an option.				
INTERVIEWER NOTE: Use the ladder scale provided to rate trust in information sources. A rating of 1 means least trustworthy whereas a rating of 10 means most trustworthy.				

Frequency Code

1 - Once a week	6 - More than twice a month
2 - Twice a week	7 - Less than twice a month
3 - More than twice a week	8 - Once a season
4 - Once a month	9 - Never (did not meet)
5 - Twice a month	

K1. SOURCES					
K1.1	Have you ever received agricultural advice from a government extension worker?	YES		1	
		NO		2	→K1.3
K1.2	How many times in the last year were you visited by a government extension worker?				
K1.3	What sources of information do you use to make agricultural decisions? (NOTE: Ask respondent about every source.)	Yes - 1, No - 2	Trust in Source (Score from 1 to 10)	Frequency Code (at start of section)	Quality of information received (Score from 1-10)
	1. Past experience	1 2			
	2. TV program	1 2			
	Others	Name _____ (Use code)			
	3. Cell phone based information	1 2			
	Others	Name _____ (Use code)			
	4. Newspaper / magazines	1 2			
	Others	Name _____ (Use Code)			
	5. Government extension worker	1 2			
	6. NGO	1 2			
	Others	Name _____ (Use code)			
	7. Other farmers	1 2			
	8. Agro shop	1 2			
	9. Trader / Commission Agent	1 2			
	10. Radio (also include Gam No Choro for this ans	1 2			
	11. Krushi Mela/Krushi Rath	1 2			
888. Other	Specify _____				
999. Don't know					
K1.4	Of these sources in K1.3, what are your top two sources for agricultural information? (READOUT: these can be media or persons)	Information Source	Code		
	FIRST				
	SECOND				
NOW WE WILL GET MORE SPECIFIC ABOUT DIFFERENT AGRICULTURAL INFORMATION.					
K1.5	What is your most important information source regarding: (USE SOURCE CODE or options in K1.3)	TOPIC	SOURCE		
		Crop decision			
		Soil/field preparation			
		Seeds			
		Fertilizers			
		Pest identification			
		Pesticide usage			
		Irrigation			
		Weather			
		Harvesting			
		Prices			
		Storage/Selling			
		Animal Husbandry			
		Other (Specify)			
K1.6	Did you attend any agricultural training or demonstrations in the past year?	YES		1	
		If yes, how many?			
		NO		2	→K1.9

K1.7	When was the last time you attended an agricultural demonstration in the past year?	MONTH:			
		YEAR:			
		NEVER		666	
		DON'T KNOW		999	
K1.8	Which organization or group conducted these demonstrations or training in the past year? (CIRCLE ALL THAT APPLY- DO NOT PROMPT)	Government Krushi Mela		1	
		Gram Sevak		2	
		CMF/DSC/Sajjata Sangh/AKRSP		3	
		AO		4	
		Other NGO		5	
		Name of NGO:			
		Agricultural University		6	
		Private company		7	
	Other		888		
K1.9	How would you rate your own knowledge about agriculture on a scale of 1 to 5, 1 being very low and 5 being very high?	Very low		1	
		Low		2	
		Medium		3	
		High		4	
		Very high		5	
		Decline to answer		777	
K1.91	How would rate your own knowledge about pesticides and pest and pest management on a scale of 1 to 5, 1 being very low and 5 being very high?	Very low		1	
		Low		2	
		Medium		3	
		High		4	
		Very high		5	
		Decline to answer		777	
K1.92	How would you rate your own knowledge about fertilizers on a scale of 1 to 5, 1 being very low and 5 being very high?	Very low		1	
		Low		2	
		Medium		3	
		High		4	
		Very high		5	
		Decline to answer		777	
K1.10	Are there aspects of your agriculture where you	YES		1	
		NO		2	
		DON'T KNOW		999	

SECTION K2: NETWORKS AND INFORMATION SOURCES				
INTERVIEWER NOTE: Do not mention Avaaj Otalo by name in these sections as an option.				
K2. Information Sharing and Networks				
K2.1	Do you use your cellphone to talk to fellow farmers about agriculture?	YES		1
		NO		2
K2.2	Provide the names and phone numbers of three fellow farmers you talk to MOST FREQUENTLY about agriculture. (INTERVIEWER NOTE: Please record name in the following manner: CASTE/FIRST/LAST. If the farmer does not have a number, ask whether the friend has a phone or not.)	PERSON 1:		ID:
		CELL PHONE: Y / N	NO:	
		PERSON 2:		ID:
		CELL PHONE: Y / N	NO:	
		PERSON 3:		ID:
		CELL PHONE: Y / N	NO:	
INTERVIEWER: MATCH FRIEND NAMES WITH RESPONDENT LIST AND RECORD ID IF MATCHED.				
PERSON 1:				
K2.31.1	Usually, during the Kharif or the Rabi season how often did you talk to this friend in a month?	ONCE A WEEK		1
		TWICE A WEEK		2
		MORE THAN TWICE A WEEK		3
		ONCE A MONTH		4
		TWICE A MONTH		5
		MORE THAN TWICE A MONTH		6
		LESS THAN ONCE A MONTH		7
		ONCE A SEASON		8
		NEVER-DID NOT MEET		9
K2.31.2	Is this person a village or a plot neighbour? (MULTIPLE ANSWERS POSSIBLE.)	VILLAGE NEIGHBOUR		1
		PLOT NEIGHBOUR		2
		NEITHER		3
K2.31.3	What is your relationship to this person?	Relative		1
		Farmer friend in own village		2
		Farmer friend in different village		3
		DON'T KNOW		999
K2.31.4	How far does this person live from you?	Neighbour		1
		0- 2 kms in same village		2
		2 - 5 kms in same village		3
		5 - 10 kms in same village		4
		In a different village		5
		Other (specify)		888
		DON'T KNOW		999
K2.31.5	How far is this person's farm from yours? (INTERVIEWER: Take that plot where the farmers meet or have the highest likelihood of meeting most frequently.)	Neighbour		1
		0- 2 kms in same village		2
		2 - 5 kms in same village		3
		5 - 10 kms in same village		4
		In a different village		5
		Other (specify)		888
		DON'T KNOW		999
K2.31.6	Do you normally talk to this person about agriculture over the phone or in person?	IN PERSON		1
		ON PHONE		2
		BOTH, PHONE AND IN PERSON		3
K2.31.71	Where do you normally meet this friend to discuss agricultural information?	YOUR HOUSE		1
		FRIEND'S HOUSE		2
		YOUR FARM PLOT		3
		FRIEND'S FARM PLOT		4
		VILLAGE CENTRAL LOCATION		5
		OTHER		888
K2.31.72	Have you gone to this friend's house or farm specifically to discuss agricultural topics?	YES		1
		NO		2
K2.31.73	Has this friend come to YOUR house or farm specifically to discuss agricultural topics?	YES		1
		NO		2

K2.31.81	Have you given any agricultural information to this friend during the last Kharif or Rabi?	YES	1		
		NO	2	→ K2.31.83	
		DON'T KNOW	999	→ K2.31.83	
K2.31.82	If yes, on what topics? (MULTIPLE ANSWERS POSSIBLE)	Crop Decision	1		
		Field/soil preparation	2		
		Seeds	3		
		Fertilizers	4		
		Pests and Pesticides	5		
		Irrigation	6		
		Weather	7		
		Harvesting	8		
		Other (specify)	888		
K2.31.83	Have you received any agricultural information from this friend during the last Kharif or Rabi?	YES	1		
		NO	2	→ K2.31.85	
		DON'T KNOW	999	→ K2.31.85	
K2.31.84	If yes, on what topics? (MULTIPLE ANSWERS POSSIBLE)	Crop Decision	1		
		Field/soil preparation	2		
		Seeds	3		
		Fertilizers	4		
		Pests and Pesticides	5		
		Irrigation	6		
		Weather	7		
		Harvesting	8		
		Other (specify)	888		
K2.31.85	Did you learn any new information about agriculture from observing the field of this friend during the last kharif or Rabi?	YES	1		
		NO	2	→ K2.31.9	
		DON'T KNOW	999	→ K2.31.9	
K2.31.86	If yes, what did you observe? (MULTIPLE ANSWERS POSSIBLE)	Crop Decision	1		
		Field/soil preparation	2		
		Seeds	3		
		Fertilizers	4		
		Pests and Pesticides	5		
		Irrigation	6		
		Other (specify)	888		
NOW WE WILL ASK SOME BASIC QUESTIONS ABOUT THIS PERSON'S AGRICULTURAL PRACTICES. ANSWER TO THE BEST OF YOUR KNOWLEDGE.					
K2.31.9	Did this friend grow cotton during Kharif 2011?	YES	1		
		NO	2		
		DON'T KNOW	999		
K2.31.11.1	During the last Kharif or Rabi, did you recommend any inputs to this friend?	YES	1	→K2.31.13	
		NO	2		
		DON'T KNOW	999		
K2.31.11.2	What were these inputs? (MULTIPLE ANSWERS POSSIBLE) (1 = YES, 2 = NO) (Use codes from the cde sheet)	Chemical Fertilizer	1	2	
		Name:			
		Name:			
		Pesticide	1	2	
		Name:			
		Name:			
		Different seed variety	1	2	
		Name:			
		Name:			
		Other (Please specify)	888		
K2.31.13	How would you rate this person's knowledge about agriculture on a scale of 1 to 5, 1 being very low and 5 being very high?	Very low	1		
		Low	2		
		Medium	3		
		High	4		

		Very high	5	
K2.31.14	How would rate this person's knowledge about pesticides and pest and pest management on a scale of 1 to 5, 1 being very low and 5 being very high?	Very low	1	
		Low	2	
		Medium	3	
		High	4	
		Very high	5	
K2.31.15	How would rate this person's knowledge about fertilizers on a scale of 1 to 5, 1 being very low and 5 being very high?	Very low	1	
		Low	2	
		Medium	3	
		High	4	
		Very high	5	
PERSON 2:				
K2.32.1	Usually, during the Kharif or the Rabi season how often did you talk to this friend in a month?	ONCE A WEEK	1	
		TWICE A WEEK	2	
		MORE THAN TWICE A WEEK	3	
		ONCE A MONTH	4	
		TWICE A MONTH	5	
		MORE THAN TWICE A MONTH	6	
		LESS THAN ONCE A MONTH	7	
		ONCE A SEASON	8	
		NEVER-DID NOT MEET	9	
K2.32.2	Is this person a village or a plot neighbour? (MULTIPLE ANSWERS POSSIBLE.)	VILLAGE NEIGHBOUR	1	
		PLOT NEIGHBOUR	2	
		NEITHER	3	
K2.32.3	What is your relationship to this person?	Relative	1	
		Farmer friend in own village	2	
		Farmer friend in different village	3	
		DON'T KNOW	999	
K2.32.4	How far does this person live from you?	Neighbour	1	
		0- 2 kms in same village	2	
		2 - 5 kms in same village	3	
		5 - 10 kms in same village	4	
		In a different village	5	
		Other (specify)	888	
		DON'T KNOW	999	
K2.32.5	How far is this person's farm from yours? (INTERVIEWER: Take that plot where the farmers meet or have the highest likelihood of meeting most frequently.)	Neighbour	1	
		0- 2 kms in same village	2	
		2 - 5 kms in same village	3	
		5 - 10 kms in same village	4	
		In a different village	5	
		Other (specify)	888	
		DON'T KNOW	999	

K2.32.6	Do you normally talk to this person about agriculture over the phone or in person?	IN PERSON		1	
		ON PHONE		2	→K2.32.81
		BOTH, PHONE AND IN PERSON		3	
K2.32.71	Where do you normally meet this friend to discuss agricultural information?	YOUR HOUSE		1	
		FRIEND'S HOUSE		2	
		YOUR FARM PLOT		3	
		FRIEND'S FARM PLOT		4	
		VILLAGE CENTRAL LOCATION		5	
		OTHER		888	
K2.32.72	Have you gone to this friend's house or farm specifically to discuss agricultural topics?	YES		1	
		NO		2	
K2.32.73	Has this friend come to YOUR house or farm specifically to discuss agricultural topics?	YES		1	
		NO		2	
K2.32.81	Have you given any agricultural information to this friend during the last Kharif or Rabi?	YES		1	
		NO		2	→K2.32.83
		DON'T KNOW		999	→K2.32.83
K2.32.82	If yes, on what topics?	Crop Decision		1	
		Field/soil preparation		2	
		Seeds		3	
		Fertilizers		4	
		Pests and Pesticides		5	
		Irrigation		6	
		Weather		7	
		Harvesting		8	
		Other (specify)		888	
		K2.32.83	Have you received any agricultural information from this friend during the last Kharif or Rabi?	YES	
NO				2	→K2.32.85
DON'T KNOW				999	→K2.32.85
K2.32.84	If yes, on what topics?	Crop Decision		1	
		Field/soil preparation		2	
		Seeds		3	
		Fertilizers		4	
		Pests and Pesticides		5	
		Irrigation		6	
		Weather		7	
		Harvesting		8	
		Other (specify)		888	
		K2.32.85	Did you learn any new information about agriculture from observing the field of this friend during the last kharif or Rabi?	YES	
NO				2	→K2.32.9
DON'T KNOW				999	→K2.32.9
K2.32.86	If yes, what did you observe?	Crop Decision		1	
		Field/soil preparation		2	
		Seeds		3	

		Fertilizers	4	
		Pests and Pesticides	5	
		Irrigation	6	
		Other (specify)	888	
NOW WE WILL ASK SOME BASIC QUESTIONS ABOUT THIS PERSON'S AGRICULTURAL PRACTICES. ANSWER TO THE BEST OF YOUR KNOWLEDGE.				
K2.32.9	Did this friend grow cotton during Kharif 2011?	YES	1	
		NO	2	
		DON'T KNOW	999	
K2.32.11.1	During the last Kharif or Rabi, did you recommend any inputs to this friend?	YES	1	→K2.32.13 →K2.32.13
		NO	2	
		DON'T KNOW	999	
K2.32.11.2	What were these inputs? (MULTIPLE ANSWERS POSSIBLE) (1 = YES, 2 = NO) (Use codes from the cde sheet)	Chemical Fertilizer	1 2	
		Name:		
		Name:		
		Pesticide	1 2	
		Name:		
		Name:		
		Different seed variety	1 2	
		Name:		
		Name:		
		Other (Please specify)	888	
		DON'T KNOW	999	
K2.32.13	How would you rate this person's knowledge about agriculture on a scale of 1 to 5, 1 being very low and 5 being very high?	Very low	1	
		Low	2	
		Medium	3	
		High	4	
		Very high	5	
K2.32.14	How would rate this person's knowledge about pesticides and pest and pest management on a scale of 1 to 5, 1 being very low and 5 being very high?	Very low	1	
		Low	2	
		Medium	3	
		High	4	
		Very high	5	
K2.32.15	How would rate this person's knowledge about fertilizers on a scale of 1 to 5, 1 being very low and 5 being very high?	Very low	1	
		Low	2	
		Medium	3	
		High	4	
		Very high	5	
PERSON 3:				
K2.33.1	Usually, during the Kharif or the Rabi season how often did you talk to this friend in a month?	ONCE A WEEK	1	
		TWICE A WEEK	2	
		MORE THAN TWICE A WEEK	3	

		ONCE A MONTH		4	
		TWICE A MONTH		5	
		MORE THAN TWICE A MONTH		6	
		LESS THAN ONCE A MONTH		7	
		ONCE A SEASON		8	
		NEVER-DID NOT MEET		9	
K2.33.2	Is this person a village or a plot neighbour? (MULTIPLE ANSWERS POSSIBLE.)	VILLAGE NEIGHBOUR		1	
		PLOT NEIGHBOUR		2	
		NEITHER		3	
K2.33.3	What is your relationship to this person?	Relative		1	
		Farmer friend in own village		2	
		Farmer friend in different village		3	
		DON'T KNOW		999	
K2.33.4	How far does this person live from you?	Neighbour		1	
		0- 2 kms in same village		2	
		2 - 5 kms in same village		3	
		5 - 10 kms in same village		4	
		In a different village		5	
		Other (specify)		888	
		DON'T KNOW		999	
K2.33.5	How far is this person's farm from yours? (INTERVIEWER: Take that plot where the farmers meet or have the highest likelihood of meeting most frequently.)	Neighbour		1	
		0- 2 kms in same village		2	
		2 - 5 kms in same village		3	
		5 - 10 kms in same village		4	
		In a different village		5	
		Other (specify)		888	
		DON'T KNOW		999	
K2.33.6	Do you normally talk to this person about agriculture over the phone or in person?	IN PERSON		1	
		ON PHONE		2	→K2.33.81
		BOTH, PHONE AND IN PERSON		3	
K2.33.71	Where do you normally meet this friend to discuss agricultural information?	YOUR HOUSE		1	
		FRIEND'S HOUSE		2	
		YOUR FARM PLOT		3	
		FRIEND'S FARM PLOT		4	
		VILLAGE CENTRAL LOCATION		5	
		OTHER		888	
K2.33.72	Have you gone to this friend's house or farm specifically to discuss agricultural topics?	YES		1	
		NO		2	
K2.33.73	Has this friend come to YOUR house or farm specifically to discuss agricultural topics?	YES		1	
		NO		2	

K2.33.81	Have you given any agricultural information to this friend during the last Kharif or Rabi?	YES	1	
		NO	2	→K2.33.83
		DON'T KNOW	999	→K2.33.83
K2.33.82	If yes, on what topics?	Crop Decision	1	
		Field/soil preparation	2	
		Seeds	3	
		Fertilizers	4	
		Pests and Pesticides	5	
		Irrigation	6	
		Weather	7	
		Harvesting	8	
		Other (specify)	888	
K2.33.83	Have you received any agricultural information from this friend during the last Kharif or Rabi?	YES	1	
		NO	2	→K2.33.85
		DON'T KNOW	999	→K2.33.85
K2.33.84	If yes, on what topics?	Crop Decision	1	
		Field/soil preparation	2	
		Seeds	3	
		Fertilizers	4	
		Pests and Pesticides	5	
		Irrigation	6	
		Weather	7	
		Harvesting	8	
		Other (specify)	888	
K2.33.85	Did you learn any new information about agriculture from observing the field of this friend during the last kharif or Rabi?	YES	1	
		NO	2	→K2.33.9
		DON'T KNOW	999	→K2.33.9
K2.33.86	If yes, what did you observe?	Crop Decision	1	
		Field/soil preparation	2	
		Seeds	3	
		Fertilizers	4	
		Pests and Pesticides	5	
		Irrigation	6	
		Other (specify)	888	
NOW WE WILL ASK SOME BASIC QUESTIONS ABOUT THIS PERSON'S AGRICULTURAL PRACTICES.				
ANSWER TO THE BEST OF YOUR KNOWLEDGE.				
K2.33.9	Did this friend grow cotton during Kharif 2011?	YES	1	
		NO	2	
		DON'T KNOW	999	
K2.33.11.1	During the last Kharif or Rabi, did you recommend any inputs to this friend?	YES	1	→K2.31.13
		NO	2	
		DON'T KNOW	999	
K2.33.11.2	What were these inputs?	Chemical Fertilizer	1 2	

	(MULTIPLE ANSWERS POSSIBLE)	Name:		
	(1 = YES, 2 = NO)	Name:		
		Pesticide	1 2	
		Name:		
	(Use codes from the cde sheet)	Name:		
		Different seed variety	1 2	
		Name:		
		Name:		
		Other (Please specify)	888	
		DON'T KNOW	999	
K2.33.13	How would you rate this person's knowledge about agriculture on a scale of 1 to 5, 1 being very low and 5 being very high?	Very low	1	
		Low	2	
		Medium	3	
		High	4	
		Very high	5	
K2.33.14	How would rate this person's knowledge about pesticides and pest and pest management on a scale of 1 to 5, 1 being very low and 5 being very high?	Very low	1	
		Low	2	
		Medium	3	
		High	4	
		Very high	5	
K2.33.15	How would rate this person's knowledge about fertilizers on a scale of 1 to 5, 1 being very low and 5 being very high?	Very low	1	
		Low	2	
		Medium	3	
		High	4	
		Very high	5	

INTERVIEWER CHECKPOINT: PLEASE FILL THIS IN BEFORE FILLING IN SECTION

Household ID:

--	--	--	--	--	--	--	--

A5. AO Usage				
WE WILL NOW ASK YOU SOME QUESTIONS ABOUT THE ADVICE YOU RECEIVE ON AO.				
A5.10	Have you received any information from AO that is of interest to you?	Yes		→D
		No		
A5.11	Which two topics of information on AO were you most interested in?	Seeds	1	→D
		Fertilizer Usage	2	
	Pesticide Usage	3		
	Irrigation Usage	4		
	Weather Information	5		
	Harvesting Practices	6		
	Did not find any information useful	7		
	Did not receive any information	8		
	Pest and Diseases Identification	9		
	Field preparation/Sowing	10		
	OTHER (SPECIFY)	888		
Mention the first piece of information for the questions below				
A5.21	Did you follow any advice/adopt any practice suggested by this information?	YES	1	→A5.41
		NO	2	
A5.31	Why have you not followed any advice given to you by AO?	LACK OF MONEY	1	→A5.22
		INPUT INAVAILABILITY IN MARKET	2	→A5.22
	multiple possible, no prompting	DID NOT TRUST INFORMATION	3	→A5.22
		INAPPROPRIATE TIMING	4	→A5.22
		FRIENDS DON'T USE IT	5	→A5.22
		WATER UNAVAILABLE	6	→A5.22
		DIDN'T NEED NEW INFORMATION- FOLLOWS	7	→A5.22
		DID NOT UNDERSTAND INFORMATION	8	→A5.22
		POOR QUALITY OF INFORMATION	9	→A5.22
		OTHER (SPECIFY)	888	→A5.22
A5.41	What were the main reasons why you decided to follow this advice / adopt this practice? (RECORD VERBATIM)			
A5.51	Of the following reasons, which do you think was the most important factor to you in following advice or adopting this practice? (READ OUT ALL CHOICES)	Trust in AO information	1	
		Because inputs were easily available	2	
		Recommended by Friends / Others were doing	3	
		Better information than other sources	4	
		Easy to understand	5	
		Received new information (didn't know before)	6	
		Low cost to implement	7	
		DON'T KNOW	999	
A5.61	Did this advice result in you purchasing any inputs or other items?	YES	1	
		NO	2	→A5.22
		DON'T KNOW	999	→A5.22
A5.71	If yes, what did you buy?	FERTILIZER	1	
		Name: _____		
		PESTICIDE	2	
		Name: _____		
		BIOLOGICAL PEST CONTROL	3	
		Name: _____		
		SEEDS	4	
Name: _____				
	OTHER (SPECIFY)	888		
Mention the second piece of information for the questions below				
A5.22	Did you follow any advice/adopt any practice suggested by this information?	YES	1	→A5.42
		NO	2	
A5.32	Why have you not followed any advice given to you by AO?	LACK OF MONEY	1	→D
		INPUT INAVAILABILITY IN MARKET	2	→D
	multiple possible, no prompting	DID NOT TRUST INFORMATION	3	→D
		INAPPROPRIATE TIMING	4	→D
		FRIENDS DON'T USE IT	5	→D
		WATER UNAVAILABLE	6	→D
		DIDN'T NEED NEW INFORMATION- FOLLOWS	7	→D
		DID NOT UNDERSTAND INFORMATION	8	→D
		POOR QUALITY OF INFORMATION	9	→D
		OTHER (SPECIFY)	888	→D
A5.42	What were the main reasons why you decided to follow this advice / adopt this practice? (RECORD VERBATIM)			
A5.52	Of the following reasons, which do you think was the most important factor in following advice or adopting this practice? (READ OUT ALL CHOICES)	Trust in AO information	1	
		Because inputs were easily available	2	
		Recommended by Friends / Others were doing the same	3	
		Better information than other sources	4	
		Easy to understand	5	
		Received new information (didn't know before)	6	
		Low cost to implement	7	
		DON'T KNOW	999	

A5.62	Did this advice result in you purchasing any inputs or other items?	YES	1	→D
		NO	2	
		DON'T KNOW	999	
A5.72	If yes, what did you buy?	FERTILIZER	1	
		Name: _____ (Use Code)		
		PESTICIDE	2	
		Name: _____ (Use Code)		
		BIOLOGICAL PEST CONTROL	3	
		Name: _____		
		SEEDS	4	
		Name: _____ (Use Code)		
		OTHER (SPECIFY)	888	

SECTION D: KNOWLEDGE INDEX			
	INTERVIEWER NOTE: Do not mention Avaaj Otalo by name in these sections as an option.		
	Do not read out any of the choices for any of the questions in this section, only ask the respondent the question and record the answer		
	INTERVIEWER READOUT: We will now ask you some questions about agriculture.		
	The first set of questions will be general in nature, while the second set of questions will be specific to crops. Answer to the best of your knowledge.		
D1. General			
INTERVIEWER CHECKPOINT:DO NOT PROMPT OR READ OUT CHOICES FOR FOLLOWING QUESTIONS			
D1.2k	Which essential plant nutrients does UREA contain?	Nitrogen	1
		Phosphorus	2
		Potash	3
		Other	888
		DON'T KNOW	999
D1.3k	Which is the BEST fertilizer for adding phosphorus in the soil?	DAP/SSP	1
		12-32-16, 20-20-20 grade	2
		Other	888
		DON'T KNOW	999
D1.3kc	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?	DAP/SSP	1
		20-20-20 grade	2
		Other	888
		DON'T KNOW	999
D1.4k	Which is the BEST fertilizer for adding Potash in the soil?	Murate of Potash (MoP)/Sulphate of Potash	1
		12-32-16, 20-20-20 grade	2
		Other	888
		DON'T KNOW	999
D1.4kc	If you had the option of using 50 kg (1 bag) of Murate of Potash or 50 kg (1 bag) of 12-32-16 , which of the two would you use to add potash to soil?	Murate of Potash (MoP)	1
		12-32-16 grade	2
		Other	888
		DON'T KNOW	999
D1.5k	Which is the BEST fertilizer for adding sulphur in the soil?	Ammonium Sulphate/SSP/Gypsum/Chirodi	1
		Sulphur Fertilizer	2
		Other	888
		DON'T KNOW	999
D1.5kc	If you had the option of using 50 kg of Ammonium Sulphate/SSP/Gypsum/Chirodi or 50 kg of Sulphur fertlizer ,which of the two would you use to add sulphur to soil?	Ammonium Sulphate/SSP/Gypsum/Chirodi	1
		Sulphur Fertilizer	2
		Other	888
		DON'T KNOW	999
E10_2	When mixing pesticide in the pump, which type of concentrate, POWDER OR LIQUID, should you add first?	Powder form	1
		Liquid form	2
		Doesn't matter - Either one	3
		Don't Know	999

D2. Crop-Specific Knowledge Questions				
	NOW WE WILL ASK YOU QUESTIONS ABOUT THE BEST AGRICULTURAL PRACTICES OF COTTON AND/ OR CASTOR. PLEASE ANSWER THESE TO THE BEST OF YOUR KNOWLEDGE.			
	INTERVIEWER CHECKPOINT: Does this farmer grow cotton?	YES	1	
		NO	2	→D22
	INTERVIEWER CHECKPOINT:DO NOT PROMPT OR READ OUT CHOICES FOR FOLLOWING QUESTIONS			
D21. COTTON				
E2_2	What type of pests does BT cotton provide resistance against?	Boll worms	1	
		All pest and diseases	2	
		Sucking pests	3	
		Any Other (Specify)	888	
		Don't Know	999	
D21.3a	Do you know what a pheromone trap is?	YES	1	→E8_1
		NO	2	
D21.3k	What is the use of a pheromone trap in agriculture?	Pest Control	1	
		Other	888	
		DON'T KNOW	999	
E8_1	After Flowering stage, which type of fertilizers are advised to spray to stop the falling of flower buds and for good development of balls?	Micronutrient Fertilizer-Zink,Boron	1	
		Urea/DAP	2	
		Other (Specify)	888	
		Don't Know	999	
E6_1	In the flowering stage spraying of which fertilizer is highly advisable to stop yellowing of plants and to increase production?	Urea, 20-20-20, 13-0-45 grade	1	
		DAP	2	
		Other (Specify)	888	
		Don't Know	999	

e1_P	Monocrotophos pesticide is primarily intended to control which pests:	Ball worms - Heliothis/Spottel Ball warm	1	
		Sucking pest -Whitefly/Molo/Aphid/Jassid/Thrips	2	
		All pest and diseases	3	
		Don't know	999	
e2_P	Have you heard of Imida/confidor/tatamida/imidagold?	YES	1	→e4_P
		NO	2	
e3_P	Imidacloprid/Confidor/Tatamida/Imidagold pesticide is primarily intended to control which pests:	Sucking pest -Whitefly/Molo/Aphid/Jassid/Thrips	1	
		Ball worms - Heliothis/Spottel Ball warm	2	
		All pest and diseases	3	
		Don't know	999	
e4_P	Have you heard of Acetamapride/Pride?	YES	1	→e6_P
		NO	2	
e5_P	Acetamapride/Pride pesticide is primarily intended to control which pests:	Sucking pest -Whitefly/Molo/Aphid/Jassid/Thrips	1	
		Ball worms - Heliothis/Spottel Ball warm	2	
		All pest and diseases	3	
		Don't know	999	
e6_P	Acephate pesticide is primarily intended to control which pests:	Sucking pest -Whitefly/Molo/Aphid/Jassid/Thrips	1	
		Ball worms - Heliothis/Spottel Ball warm	2	
		All pests and diseases	3	
		Don't know	999	
E7_PC	If you had the option of using 1 Litre of Profenophos or 1 Litre of Monocrotophos, which would you use to most effectively treat MEALYBUG in cotton?	Profenophos	1	
		Monocrotophos	2	
		Chlorpyrifos/Triazophos/Hostathion	3	
		Other (Specify)	888	
		Don't Know	999	
E8_PC	If you had the option of using 1 Litre of Pride or 1 Litre of Monocrotophos, which would you use to most effectively treat WHITE FLY in cotton?	Pride/Tata Manik	1	
		Monocrotophos	2	
		Triazophos/Hostathion	3	
		Other (specify)	888	
		Don't Know	999	
E9_PC	If you had the option of using 1 Litre of Imida or 1 Litre of Monocrotophos, which would you use to most effectively treat APHID/LEAF CURL in cotton?	Imida/Tatamida/Confidor/Jumbo	1	
		Monocrotophos	2	
		Acephat/Pride/Ektara	3	
		Other (specify)	888	
		Don't Know	999	
E10_PC	If you had the option of using 1 Litre of Dithan 45 or 1 Litre of Monocrotophos, which would you use to most effectively treat WILT DISEASE in cotton?	Dithan 45/Mancozeb	1	
		Monocrotophos	2	
		Bavistin/Copper OxyChloride/ Carbendazim	3	
		Other (Specify)	888	
		Don't Know	999	
F1	To control wilt disease in Cotton which fungus or bio-product can be used with compost as a seed treatment or soil application?	Tricoderma Viridi-Tricoderma	1	
		Fungicide	2	
		Other (Specify)	888	
		Don't Know	999	
F2	Photo 1: Can you identify the following pest from its photo and damage symptoms	Aphid	1	
		Other (Specify)	888	
		Don't Know	999	
F3	Photo 2: Can you identify the following pest from its photo and damage symptoms	Thrips	1	
		Other (Specify)	888	
		Don't Know	999	
F4	Photo 3: Can you identify the following pest from its photo and damage symptoms	White fly	1	
		Other (Specify)	888	
		Don't Know	999	
F5	Photo 4: Can you identify the following pest from its photo and damage symptoms	Mealy bug	1	
		Other (Specify)	888	
		Don't Know	999	

	INTERVIEWER CHECKPOINT: Does this farmer grow wheat?	YES	1	→D23
		NO	2	
	INTERVIEWER CHECKPOINT:DO NOT PROMPT OR READ OUT CHOICES FOR FOLLOWING QUESTIONS			
D22. WHEAT				
D22.1a	For timely sowing of wheat, which time is recommended?	15 to 25 November - After Dev Diwali	1	
		First week of November - After Diwali	2	
		Any Other (Specify)	888	
		Don't Know	999	
D22.2a	In case of late sowing the wheat crop should be planted latest by:	10-15 December	1	
		Other (specify)	888	
		Don't know	999	
D22.4a	Which disease of wheat affects the grain quality and ultimately the price of wheat grains?	Black Point of grains	1	
		Other (specify)	888	
		Don't know	999	
D22.1k	Which variety of wheat is recommended in gujarat for late sowing?	GW 173/Lok 1/Tukdi	1	
		Other (specify)	888	
		Don't know	999	
D22.3k	What is the recommended dose of nitrogen (in kilos) in irrigated wheat?	120 kg /ha or 20 kg/vigha	1	
		80-150 kg/ha or 15-25 kg/vigha	2	

		Other (specify)	888	
		Don't know	999	
D22.4k	What is the recommended dose of phosphorus (in kilos) in irrigated wheat?	60 kg /ha or 10 kg/vigha	1	
		50-75 kg/ha or 8-12 kg/vigha	2	
		Other (specify)	888	
		Don't know	999	
F22.6	After one irrigation at the time of sowing, the next irrigation for wheat is recommended in:	20-21 days after sowing or at crown root initiation stage	1	
		8-10 days after sowing	2	
		Other (Specify)	888	
		Don't Know	999	

	INTERVIEWER CHECKPOINT: Does this farmer grow cumin?	YES	1	
		NO	2	→Section L
D23.CUMIN				
D23.1a	Which are the newly recommended varieties of Cumin resistant to wilt?	GC 3/ GC 4	1	
		Other	888	
		Don't know	999	
D23.2a	What is the best time for sowing Cumin?	First week of November	1	
		Other	888	
		Don't know	999	
E1_2	Before sowing, what should be done with cumin seeds to prevent fungal diseases?	Seed Treatment	1	
		Nothing	2	
		Other (specify)	888	
		Don't know	999	
D23.3k	What is the recommended dose of Nitrogen (in kilos only) for cumin?	30 kg/ha or 5 kg/vigha	1	
		Other (specify)	888	
		Don't know	999	
F23.6	When you notice wilt in your cumin, which fungicide is recommended for to control the harmful effects of the wilt disease?	Bavistin - Carbendazim - Mancozeb	1	
		Confidor - Mono	2	
		Any Other (Specify)	888	
		Don't Know	999	
F23.7C	If you had the option of using 1 Kg of Mancozeb or 1 Litre of Monocrotophos, which would you use to most effectively treat WILT DISEASE in cumin?	Mancozeb/Dithan 45/Bavistin/Carbendazim	1	
		Monocrotophos	2	
		Other (Specify)	888	
		Don't Know	999	
D23.7kc	If you had the option of using 1 Kg of Sulphur/Contaf or 1 Litre of Monocrotophos, which would you use to most effectively treat powdery mildew in cumin?	Sulphur/Dinocap/Contaf	1	
		Other	888	
		Don't know	999	
E4_2	Which herbicide is advisable as pre-emergence for controlling weeds in cumin and wheat?	Pendimethalin - Basalin - Stomp	1	
		2-4-D	2	
		Any Other (Specify)	888	
		Don't know	999	
E6_2	To control wilt disease in cumin which fungus or bio-product can be used as a seed treatment or soil application with compost?	Tricoderma Viridi - Tricoderma	1	
		Fungicide	2	
		Any Other (Specify)	888	
		Don't Know	999	

SECTION L: PREFERENCES

INTERVIEWER READOUT: We will ask you some questions that are questions about what you would do in certain circumstances.

Please pay careful attention, and ask if a question is not clear.

INTERVIEWER READOUT: Now we will give you some general statements and you have to tell us whether you strongly agree, agree, disagree or strongly disagree with them.

L1.5	Relative to other people, I am willing to take risks in my life.	STRONGLY AGREE	1	
		AGREE	2	
		DISAGREE	3	
		STRONGLY DISAGREE	4	
		Decline to answer	777	
	Suppose you want to invest some money. You have a choice between two options			
	Option A: Investing in a business that is safe but has low profits.			
	Option B: Investing in a business that is less safe but potentially has very high profits.			
L1.6	Which option do you choose?	Option A	1	
		Option B	2	
		NO PREFERENCE	3	
		Decline to answer	777	
L1.7	If I get money, I tend to spend it too quickly.	STRONGLY AGREE	1	
		AGREE	2	
		DISAGREE	3	→ L1.9
		STRONGLY DISAGREE	4	→ L1.9
		Decline to answer	777	→ L1.9
L1.8	I, therefore, put most of my money into a safe place in order to avoid spending it too quickly.	STRONGLY AGREE	1	
		AGREE	2	
		DISAGREE	3	
		STRONGLY DISAGREE	4	
		Decline to answer	777	
L1.9	I am not skeptical of new technology. (I.e. I trust new technology.)	STRONGLY AGREE	1	
		AGREE	2	
		DISAGREE	3	
		STRONGLY DISAGREE	4	
		Decline to answer	777	→ L1.11
L1.10	I would try new agricultural technology without reference from an experienced farmer or other farmer friends.	STRONGLY AGREE	1	
		AGREE	2	
		DISAGREE	3	
		STRONGLY DISAGREE	4	
		Decline to answer	777	
L1.11	Do you think most people would try to take advantage of you if they got a chance, or would they try to be fair?	They would take advantage	1	
		They try to be fair	2	
		Decline to answer	777	
		Don't Know	999	
L1.12	Would you say that most of the time people try to be helpful, or that they are mostly just looking out for themselves?	They try to be helpful	1	
		They are looking out for themselves	2	
		Decline to answer	777	
		Don't Know	999	
L1.13	Generally speaking, would you say that most people can be trusted or that you can't be too careful in dealing with people?	Most people can be trusted	1	
		You can't be too careful while dealing with people	2	
		Decline to answer	777	
		Don't Know	999	
	INTERVIEWER READOUT: We will now ask you six more questions on your preferences. These questions will ask you whether you would like to receive a sum of money today or			

	a month from today. These questions are hypothetical and will not win you any money.			
L2.0	Would you prefer to receive Rs 80 today, or Rs 70 a month from today?	Rs 80 Today	1	
		Rs 70 Next month	2	
		DON'T KNOW	999	
		Decline to answer	777	
L2.1	Would you prefer to receive Rs 80 today, or Rs 80 one month from today?	Rs 80 Today	1	
		Rs 80 Next month	2	
		DON'T KNOW	999	
		Decline to answer	777	
L2.2	Would you prefer to receive Rs 80 today, or Rs 90 one month from today?	Rs 80 Today	1	
		Rs 90 Next month	2	
		DON'T KNOW	999	
		Decline to answer	777	
L2.3	Would you prefer to receive Rs 80 today, or Rs 100 a month from today?	Rs 80 Today	1	
		Rs 100 Next month	2	
		DON'T KNOW	999	
		Decline to answer	777	
L2.4	Would you prefer to receive Rs 80 today, or Rs 110 one month from today?	Rs 80 Today	1	
		Rs 110 Next month	2	
		DON'T KNOW	999	
		Decline to answer	777	
L2.5	Would you prefer to receive Rs 80 today, or Rs 120 one month from today?	Rs 80 Today	1	
		Rs 120 Next month	2	
		DON'T KNOW	999	
		Decline to answer	777	

SECTION C1: AGRICULTURAL PRACTICES - COTTON									
INTERVIEWER NOTE: Do not mention Avaaj Otalo by name in these sections as an option.									
INTERVIEWER READOUT: Now we will ask you about your practices related to cotton for last Kharif.									
Remember that we would like information from your last cotton crop not for the upcoming Kharif.									
C1. COTTON (General)									
C1.1	Do you solicit or receive any advice on planting of cotton?	YES			1		→C1.3		
		NO			2				
C1.2	Who or what were the TWO most important sources? (USE SOURCE CODE- DO NOT PROMPT)	FIRST							
		SECOND							
C1.3	Did you plant cotton last Kharif?	YES			1		→ C2		
		NO			0				
C1.5	What was the total area you planted last Kharif?					ACRE			
						BIGHA			
						GUNTHA			
INTERVIEWER CHECKPOINT: For quantity planted use same unit as in C1.5									
C1.5x	When did you plant cotton last Kharif?	1st Planting (ww/mm) :	Qty:						
		2nd Planting (ww/mm) :	Qty:						
		3rd Planting (ww/mm) :	Qty:						
C1.51	Total cotton crop loss due to weather, pests etc... last Kharif?					ACRE			
						BIGHA			
						GUNTHA			
						Percentage			
C1.51a	Which pests afflicted your cotton and what was the maximum area of infestation reached during the season?					What was the maximum area of infestation during the Kharif and Rabi? Area or % of cotton planted			
				1: Yes 2: No			Area	%	
	Bollworms	1. Spotted bollworm	1	2			a	b	g
		2. Pink bollworm	1	2			a	b	g
		3. Heliothis	1	2			a	b	g
		4 .Prodenia	1	2			a	b	g
	Sucking pests	5. Aphid	1	2			a	b	g
		6. Jassid	1	2			a	b	g
		7.Thrips	1	2			a	b	g
		8. White fly	1	2			a	b	g
	Disease	9. Milibag	1	2			a	b	g
		10. Wilt	1	2			a	b	g
		11. Root Rot	1	2			a	b	g
		12. Bactarial Blight	1	2			a	b	g
	Others	13. Leaf Spot	1	2			a	b	g
		14. Other 1	1	2			a	b	g
		17. Not any	1			a	b	g	
C1.6	Do you treat your soil before planting?	YES			1		→C1.9		
		NO			2				
C1.7	How did you treat your soil last Kharif? (CIRCLE ALL THAT APPLY) (1 = Yes, 2 = No)	Added organic manure			1		2		
		Cleaned the soil from last harvest			1		2		
		Ploughing/Furrowing/Pulverizing			1		2		
		Leveling the soil as per crop			1		2		
		Other (specify)			888				
C1.8	What were the labour costs for land preparation in Kharif 2011, not including application of fertilizer?	Household labour (should include exchange labour)							
						Total Labour Days			
		Hired Labour							
						Total Labour Days			
						Daily wage			
						Total Labour Cost			
		Tractor/Bullock							
						Total Cost			
				Total hours or vigha					
				Rs/hr or rs/vigha					

C1.9	Did you irrigate your cotton crop last Kharif?	YES	1	→C1.12
		NO	2	
C1.10	How many times did you irrigate your cotton crop last Kharif?			
C1.11	What was the cost per irrigation or total cost of irrigation for last Kharif?	TOTAL COST	Rs.	
		COST PER IRRIGATION	Rs.	
		DIESEL/KEROSENE	Rs.	
		ELECTRICITY BILL	Rs.	

INTERVIEWER READOUT: NOW, WE WILL ASK YOU DETAILED QUESTIONS ABOUT YOUR FARMING PRACTICES, FROM SEED TO FERTILIZER TO PESTICIDE USAGE.

S1. Seeds						
S1.1	What was the most important factor in determining which seed you used? (CIRCLE ONLY ONE)	Low Price	1			
		Pest Resistance	2			
		Safe Yield	3			
		High Yield	4			
		Few Input Requirements	5			
		Water requirements	6			
		What farmer friends use	7			
		Availability	8			
		Soil fertility	9			
		General advice (specify source)	10			
		Other (specify)	888			
		Don't know	999			
S1.3	Did you solicit or receive any advice on seeds related to cotton?	YES	1	→S1.5		
		NO	2			
S1.4	Who or what were the TWO most important sources? (USE SOURCE CODE- DO NOT PROMPT)	FIRST				
		SECOND				
S1.5	Did you purchase cotton seeds last Kharif or reuse old seeds?	PURCHASE	1	→S1.7		
		REUSE	2			
		BOTH	3			
S1.6	What seeds did you purchase? How many kilograms or packets of seeds did you purchase? What was the price? (INTERVIEWER: use code below) 1.Vikram 2.Rasi 3.Ajit 4.Navbharat 5.Tulsi 6.Ankur 7.Nath 8.Prabhat 9.Ganga kaveri 10.Nuzeevidu 888. Other, (specify)	SEED 1:				
			KGS	Price/kg		
				Total cost		
			PACKETS	Price/packet		
			Pkt qty	Total Cost		
		SEED 2:				
			KGS	Price/kg		
				Total cost		
			PACKETS	Price/packet		
			Pkt qty	Total Cost		
		SEED 3:				
			KGS	Price/kg		
				Total cost		
			PACKETS	Price/packet		
			Pkt qty	Total Cost		
		S1.7	What are the names of the seed you used? Are they hybrid or desi? And, what quantity did you use for each seed? (INTERVIEWER: Use code below.) 1.Vikram 2.Rasi 3.Ajit 4.Navbharat 5.Tulsi 6.Ankur 7.Nath 8.Prabhat 9.Ganga kaveri 10.Nuzeevidu	1. SEED NAME:		
				HYBRID/BT		
				DESI		
				QUANTITY USED:		
					PACKETS	KGS
					Pkt qty	
				2. SEED NAME:		
				HYBRID/BT		
				DESI		
QUANTITY USED:						
	PACKETS			KGS		
	Pkt qty					

	888. Other, (specify)	3. SEED NAME:		
		HYBRID/BT		1
		DESI		2
		QUANTITY USED:		
			PACKETS	KGS
		Pkt qty		
S1.8	What were the labour costs for sowing cotton seeds in Kharif 2011?	Household labour		
		Total Labour Days		
		Hired Labour		
		Total Labour Days		
		Daily wage		
		Total Labour Cost		
		Tractor/Bullock		
		Total Cost		
		Total hours or vigha		
		Rs/hr or rs/vigha		
S1.9	Did you treat your seeds before planting?	YES		1
		NO		2 →S1.11
S1.10	How did you treat your seeds? (INTERVIEWER NOTE: MULTIPLE ANSWERS POSSIBLE AND USE THE CODE SHEET)	Option	Yes/ No	Specify
		A. FUNGICIDES	1 2	
		B. PESTICIDES	1 2	
		C. BIOLOGICAL METHOD	1 2	
		D. OTHER		
		D1.	1 2	
	D2.	1 2		
S1.11	At what depth did you sow the cotton seeds? (INTERVIEWER: Measure using a ruler.)			CMS
				FT
				INCHES
		DON'T KNOW		999
S1.12	What was the spacing between the seeds in the same row? (INTERVIEWER: Measure using a ruler.)			CMS
				FT
				INCHES
		DON'T KNOW		999
S1.13	What was the spacing between the rows? (INTERVIEWER: Measure using a ruler.)			CMS
				FT
				INCHES
		DON'T KNOW		999

F1. Fertilizers

NOW WE WILL ASK YOU QUESTIONS ABOUT YOUR FERTILIZER USAGE IN THE LAST KHARIF. Remember these questions only pertain to your cotton crop.

F1.0	Did you solicit or receive any advice regarding fertilizer last Kharif?	YES		1
		NO		2 →F1.2
F1.1	Who or what were the TWO most important sources? (USE SOURCE CODE- DO NOT PROMPT)	FIRST		
		SECOND		
F1.2	Did you use fertilizers last Kharif with your cotton crop?	YES		1 →F1.4
		NO		2
F1.3	Why did you not use fertilizer?	Wrong time in crop phase		1 2 → P1
		Too expensive		1 2 → P1
		Not useful		1 2 → P1
		Not available		1 2 → P1
		Bad experience		1 2 → P1
		Don't know how		1 2 → P1
		Other (specify)		888 → P1
F1.4	Did you make the decisions on which fertilizers to use?	YES		1
		NO		2 →F1.6

F1.5	If yes, what was the most important factor in determining which fertilizer you used? (CIRCLE ONLY ONE)	Low Price			1	→F1.7		
		Safe Yield			2	→F1.7		
		High Yield			3	→F1.7		
		What farmer friends use			4	→F1.7		
		Availability			5	→F1.7		
		Soil fertility			6	→F1.7		
		Seed variety			7	→F1.7		
		General advice (specify source)			8	→F1.7		
		Other (specify)			888	→F1.7		
		Don't know			999	→F1.7		
F1.6	If not, who made the decision?	Use codes from A.07						
		Other (specify)			888			
F1.7	Did you purchase fertilizers or reuse from the previous year?	PURCHASE			1			
		REUSE			2			
		BOTH			3			
F1.8	Which chemical fertilizers did you purchase and use for your cotton crop? In what quantities?	Purchase? Yes = 1 YES = 1 NO = 2	Amount 1. kg 2. litre 3. No. of bags	Cost (Rs.) 1. Cost/unit 2. Total	Used? 1. kg 2. Total litre 3. No. of bags	If bags, then size of bags in kilos		
		A. Urea		1 2	1. 2. 3.		1. 2.	1. 2. 3.
		B. Ammonium Sulfate		1 2	1. 2. 3.		1. 2.	1. 2. 3.
		C. DAP		1 2	1. 2. 3.		1. 2.	1. 2. 3.
		D. Murate of Potash (MoP)		1 2	1. 2. 3.		1. 2.	1. 2. 3.
		E. N-P-K grade fertilizers		1 2	1. 2. 3.		1. 2.	1. 2. 3.
		E1.			1. 2. 3.		1. 2.	1. 2. 3.
		E2.			1. 2. 3.		1. 2.	1. 2. 3.
		F. Micronutrient Fertilizer		1 2	1. 2. 3.		1. 2.	1. 2. 3.
		F1.			1. 2. 3.		1. 2.	1. 2. 3.
		F2.			1. 2. 3.		1. 2.	1. 2. 3.
		G. OTHER (specify)						
		G1.		1 2	1. 2. 3.		1. 2.	1. 2. 3.
		G2.		1 2	1. 2. 3.		1. 2.	1. 2. 3.
		F1.10	What were the labour costs for the application of chemical fertilizer? (INTERVIEWER: Remind the respondent to consider multiple applications.)	Number of Applications:				
Household labour								
Total Labour Days								
Hired Labour								
Total Labour Days								
Daily wage								
Total Labour Cost								
F1.11	Did you use any organic fertilizers on your cotton crop last Kharif?	Yes			1	→P1		
		No			2			
F1.12	Which organic fertilizers did you purchase and use for your cotton crop? In what quantities?	Purchase? Yes = 1 No = 2	Amount 1. Trolley 2. Kgs	Cost (Rs.) 1. Cost/unit 2. Total	Used? 1. Trolley 2. Kgs	Size of trolley in kilos		
		A. Manure /Compost/FYM		1 2	1. 2.		1. 2.	
		B. Biofertilizer		1 2	1. 2.		1. 2.	
		C. Vermicompost		1 2	1. 2.		1. 2.	
		D. Cake (Castor cake)		1 2	1. 2.		1. 2.	
		E. OTHER (specify)						

	E1.	1 2	1. 2.	1. 1. 2. 2.	
	E2.	1 2	1. 2.	1. 1. 2. 2.	
F1.13	What was the labour costs for the application of organic fertilizer for cotton? (INTERVIEWER: Remind the respondent to consider multiple applications.)	Number of applications:			
		Household labour			
			Total Labour Days		
		Hired Labour			
			Total Labour Days		
			Daily wage		
			Total Labour Cost		
		Tractor/Bullock			
			Total Cost		
			Total hours or vigha		
			Rs/hr or rs/vigha		

P1. Pesticides and Diseases						
NOW, WE WILL ASK YOU SIMILAR QUESTIONS REGARDING YOUR PESTICIDE USAGE.						
P1.0	Did you solicit or receive any advice on pesticides for cotton during Kharif 2010?	YES		1		
		NO		2	→P1.2	
P1.1	Who or what were the TWO most important sources of advice? (USE SOURCE CODE- DO NOT PROMPT)	FIRST				
		SECOND				
P1.2	Did you use any pesticides with your cotton?	YES		1		
		NO		2	→P1.10	
P1.4	Did you make the decisions on which pesticides to use?	YES		1		
		NO		2	→P1.6	
P1.5	If yes, aside from the type of pest or disease, what was the most important factor in determining which pesticide you used? (CIRCLE ONLY ONE)	Low Price		1	→P1.7	
		Safe Yield		2	→P1.7	
		High Yield		3	→P1.7	
		What farmer friends use		4	→P1.7	
		Availability		5	→P1.7	
		Soil fertility		6	→P1.7	
		Seed variety		7	→P1.7	
		Health reasons		8	→P1.7	
		General advice (specify source)		9	→P1.7	
					→P1.7	
		Other (specify)		888	→P1.7	
					→P1.7	
P1.6	If not, who made the decision?	Don't know		999	→P1.7	
		Use codes from A.07				
		Other (specify)		888		

P1.71		Which pesticides have you purchased and/or used in last Kharif 2011													
	Purchase				Total cost (Rs.)	Used			Purpose		Application				
	Yes/No	Quantity	Unit (1)Lit (2)ml (3)Kg (4)gm (5)bags (Size in kgs)			Yes/No	Total Quantity Used	Unit (1)Lit (2)ml (3)Kg (4)gm (5)bags (Size in kgs)	Did you purchase this pesticide to treat : 1 All pests 2. Specific pest	If it was a specific pest, which one was it? (Use Code)	No. of Applications	Area of Application	Unit of area 1. Acre 2. Bigha 3. Guntha		
1. Endosulphan	Y N					Y N			1 2						
2. Quinalphos	Y N					Y N			1 2						
3. Monocrotophos	Y N					Y N			1 2						
4. Cypermethrin	Y N					Y N			1 2						
5. Chlorpyrithos	Y N					Y N			1 2						
6. Phosphamidon	Y N					Y N			1 2						
7. Dimethoate	Y N					Y N			1 2						
8. Imidachloprid	Y N					Y N			1 2						
9. Acetamaprid	Y N					Y N			1 2						
10. Acephat	Y N					Y N			1 2						
11. Dicofof	Y N					Y N			1 2						
12. Bumflower	Y N					Y N			1 2						
13. Thiamethoxam	Y N					Y N			1 2						
14. Profenofos	Y N					Y N			1 2						
15. Fenvalrate	Y N					Y N			1 2						
16. Mancozeb	Y N					Y N			1 2						
17. Carbenadazim	Y N					Y N			1 2						
18. Planofix	Y N					Y N			1 2						
19. Triazophos	Y N					Y N			1 2						
20. Other 1	Y N					Y N			1 2						

Codes for Purpose															
1	2	3	4	5	6	7	8	9	10	11	12	13			888
Spotted bollworm	Pink bollworm	Heliothis	Prodenia	Aphid	Jassid	Thrips	White fly	Milibag	Wilt	Roo t	Bacterial Blight	Leaf Spot			Other

999
Don't know

INTERVIEWER CHECKPOINT: If respondent did not use any pesticides, only ask P1.10 and P1.10t						
P1.10	Have you applied any bio-control methods to control pests or diseases last Kharif?	YES			1	
		NO			2	
		DON'T KNOW			999	
P1.10t	What biological method have you used? (CIRCLE ALL THAT APPLY)	Used Yes/No	Quantity used	Unit 1. Nos 2. Kg 3. Lit 4. Bag	Size of bags in kilos	Total Cost (Rs)
	A. Installation of pheromone trap	1 2				
	B. Release of Chrysoperla	1 2				
	C. Spraying of Neem form or Neem seed kernel suspension	1 2				
	D. Release of Trichogramma	1 2				
	E. Spraying of HNPV/SNPV	1 2				
	F. Use of Tricoderma	1 2				
	G. Installation of Sticky cards (yellow/blue)	1 2				
	H. Other (Specify)					
	H1.	1 2				
H2.	1 2					
P1.11	What was the TOTAL labour costs for the application of pesticides and fungicides last Kharif? (INTERVIEWER: Remind respondent of multiple applications, and for all listed bollworms, sucking pests and diseases.)	Number of applications:				
		Household labour				
				Total labour days		
		Hired Labour				
				Total labour days		
				Daily wage		
		Total labour cost				

SECTION C2: AGRICULTURAL PRACTICES- WHEAT

INTERVIEWER NOTE: Do not mention Avaaj Otalo by name in these sections as an option.

INTERVIEWER READOUT: Now we will ask you about your practices related to Wheat for last Rabi.

C2. WHEAT (General)				
C2.1	Do you solicit or receive any advice on planting of wheat?	YES		1
		NO		2 →C2.3
C2.2	Who or what were the TWO most important sources?	FIRST		
	(USE SOURCE CODE- DO NOT PROMPT)	SECOND		
C2.3	Did you plant Wheat last Rabi?	YES		1
		NO		2 → C3
C2.5	What was the total area you planted?			ACRE
				BIGHA
				GUNTHA
INTERVIEWER CHECKPOINT: For quantity planted use same unit as in C2.5				
C2.5x	When did you plant wheat last Rabi?	1st Planting (ww/mm) :	Qty:	
		2nd Planting (ww/mm) :	Qty:	
		3rd Planting (ww/mm) :	Qty:	
C2.51	Total crop loss due to weather, pests etc..			ACRE
				BIGHA
				GUNTHA
				Percentage
C2.51a	Which pests afflicted wheat and what was the maximum area of infestation?		What was the maximum area of infestation during the Kharif and Rabi? Area or % of cotton planted	
		1: Yes 2: No	Area	%
	Worms	1. Termite	1 2	_____ a b g
		2. Stem borer	1 2	_____ a b g
		3. Cut worm	1 2	_____ a b g
	Sucking pests	4. Aphid	1 2	_____ a b g
	Disease	5. Stem Rust	1 2	_____ a b g
		6. Seedling Blight	1 2	_____ a b g
		7. Bacterial Blight	1 2	_____ a b g
		8. Loose Smut	1 2	_____ a b g
9. Black seed Spot		1 2	_____ a b g	
Others	10. Other 1	1 2	_____ a b g	
	11. Not any	1 2	_____ a b g	
C2.6	Do you treat your soil before planting?	YES		1
		NO		2 →C2.9
C2.7	How did you treat your soil before planting of wheat? (CIRCLE ALL THAT APPLY)	Added organic manure	1	2
		Cleaned the soil from last harvest	1	2
		Ploughing/Furrowing/Pulverizing	1	2
		Levelling the soil as per crop	1	2
		Prepares Irrigation bed/furrows	1	2
		Other (specify)		888
C2.8	What were the labour costs for land preparation in Rabi 2011-12, not including application of fertilizer?	Household labour		
			Total Labour Days	
		Hired Labour		
			Total Labour Days	
			Daily wage	
			Total Labour Cost	
		Tractor/Bullock		
			Total Cost	
C2.9	Have you grown Irrigated wheat or Un-irrigated wheat in last Rabi?	Irrigated Wheat	1	
		Un-irrigated Wheat	2	→S2
C2.10	How many times did you irrigate your wheat crop last Rabi?			
C2.11	What was the cost per irrigation or total cost of irrigation for last Rabi?	TOTAL COST	Rs.	
		COST PER IRRIGATION	Rs.	

DIESEL/KEROSENE	Rs.
ELECTRICITY BILL	Rs.

INTERVIEWER READOUT: NOW, WE WILL ASK YOU DETAILED QUESTIONS ABOUT YOUR FARMING PRACTICES, FROM SEED TO FERTILIZER TO PESTICIDE USAGE.

S2. Seeds

S2.1	What was the most important factor in determining which seed you used? (CIRCLE ONLY ONE)	Low Price		1	
		Pest Resistance		2	
		Safe Yield		3	
		High Yield		4	
		Few Input Requirements		5	
		Water requirements		6	
		What farmer friends use		7	
		Availability		8	
		Soil fertility		9	
		General advice (specify source)		10	
		Other (specify)		888	
		Don't know		999	
		S2.3	Did you solicit or receive any advice on seeds last Rabi 2011?	YES	
NO				2	
S2.4	Who or what were the TWO most important sources? (USE SOURCE CODE- DO NOT PROMPT)	FIRST			
		SECOND			
S2.5	Did you purchase wheat seeds last Rabi or reuse old seeds?	PURCHASE		1	→S2.7
		REUSE		2	
		BOTH		3	
S2.6	What seeds did you purchase? How many kilograms or packets of seeds did you purchase? What was the price? (INTERVIEWER: FOR RABI 2010-11) 1. GW 496 2. GW 322 3. GW 173 4. GW 273 5. LOK 1 888. Other, (specify)	SEED 1:			
			KGS		Price/kg
					Total cost
			PACKETS		Price/packet
			Pkt qty		Total Cost
		SEED 2:			
			KGS		Price/kg
					Total cost
			PACKETS		Price/packet
			Pkt qty		Total Cost
		SEED 3:			
			KGS		Price/kg
					Total cost
			PACKETS		Price/packet
			Pkt qty		Total Cost
S2.7	What are the names of the seed you used? Are they improved or desi? And, what quantity did you use for each seed? (INTERVIEWER: FOR RABI 2010-11) 1. GW 496 2. GW 322 3. GW 173 4. GW 273 5. LOK 1 888. Other, (specify)	1. SEED NAME:			
		Improved		1	
		DESI		2	
		QUANTITY USED:			
			PACKETS		KGS
			Pkt qty		
		2. SEED NAME:			
		Improved		1	
		DESI		2	
		QUANTITY USED:			
			PACKETS		KGS
			Pkt qty		
		3. SEED NAME:			
		Improved		1	
		DESI		2	
		QUANTITY USED:			
			PACKETS		KGS
			Pkt qty		
S2.8	What were the labour costs for	Household labour			

	sowing wheat seeds in Rabi 2010-11?			Total Labour Days	
		Hired Labour			
				Total Labour Days	
				Daily wage	
				Total Labour Cost	
		Tractor/Bullock			
				Total Cost	
				Total hours or vigha	
S2.9	Did you treat your seeds before planting?	YES		1	→S2.11
		NO		2	
S2.10	How did you treat your seeds? (INTERVIEWER NOTE: Find out exactly what names/brands respondent used.)	Option	Code	Specify	
		A. FUNGICIDES	1 2		
		B. PESTICIDES	1 2		
		C. BIOLOGICAL METHOD	1 2		
		D. OTHER			
		D1.	1 2		
S2.11	In last Rabi, did you use the broadcasting method for planting or did you plant in rows?	Broadcasting		1	→F2
		In rows		2	
		DON'T KNOW		999	→F2
S2.12	What was the spacing between the rows? (INTERVIEWER: Measure using a ruler.)			CMS	
				FT	
				INCHES	
		DON'T KNOW		999	

F2. Fertilizers						
NOW WE WILL ASK YOU QUESTIONS ABOUT YOUR FERTILIZER USAGE IN THE LAST MONTH. Remember these questions only pertain to your						
F2.0	Did you solicit or receive any advice regarding fertilizer last Rabi?	YES		1	→F2.2	
		NO		2		
F2.1	Who or what were the TWO most important sources? (USE SOURCE CODE- DO NOT PROMPT)	FIRST				
		SECOND				
F2.2	Did you use fertilizers last Rabi with your wheat crop?	YES		1	→F2.4	
		NO		2		
F2.3	Why did you not use fertilizer?	Wrong time in crop phase		1 2	→ P2	
		Too expensive		1 2	→ P2	
		Not useful		1 2	→ P2	
		Not available		1 2	→ P2	
		Bad experience		1 2	→ P2	
		Don't know how		1 2	→ P2	
		Other (specify)		888	→ P2	
F2.4	Did you make the decisions on which fertilizers to use?	YES		1	→F2.6	
		NO		2		
F2.5	If yes, what was the most important factor in determining which fertilizer you used? (CIRCLE ONLY ONE)	Low Price		1	→F2.7	
		Safe Yield		2	→F2.7	
		High Yield		3	→F2.7	
		What farmer friends use		4	→F2.7	
		Availability		5	→F2.7	
		Soil fertility		6	→F2.7	
		Seed variety		7	→F2.7	
		General advice (specify source)		8	→F2.7	
		Other (specify)		888	→F2.7	
		Don't know		999	→F2.7	
F2.6	If not, who made the decision?	Use codes from A.07				
		Other (specify)		888		
F2.7	Did you purchase fertilizers or reuse from the previous year?	PURCHASE		1	→F2.10	
		REUSE		2		
		BOTH		3		
F2.8	Which chemical fertilizers did you purchase and use for your wheat crop? In what quantities?	Purchase?	Amount	Cost (Rs.)	Used?	If bags, then size of bags in kilos
		YES = 1 NO = 2	1. kg 2. litre 3. No. of bags	1. Cost/unit 2. Total	1. kg 2. litre 3. No. of bags	

	A. Urea	1 2	1. 2. 3.	1. 2.	1. 2. 3.	
	B. Ammonium Sulfate	1 2	1. 2. 3.	1. 2.	1. 2. 3.	
	C. DAP	1 2	1. 2. 3.	1. 2.	1. 2. 3.	
	D. Murate of Potash (MoP)	1 2	1. 2. 3.	1. 2.	1. 2. 3.	
	E. N-P-K grade fertilizers	1 2	1. 2. 3.	1. 2.	1. 2. 3.	
	E1.		1. 2. 3.	1. 2.	1. 2. 3.	
	E2.		1. 2. 3.	1. 2.	1. 2. 3.	
	F. Micronutrient Fertilizer	1 2	1. 2. 3.	1. 2.	1. 2. 3.	
	F1.		1. 2. 3.	1. 2.	1. 2. 3.	
	F2.		1. 2. 3.	1. 2.	1. 2. 3.	
	G. OTHER (specify)					
	G1.	1 2	1. 2. 3.	1. 2.	1. 2. 3.	
	G2.	1 2	1. 2. 3.	1. 2.	1. 2. 3.	
F2.10	What were the labour costs for the application of chemical fertilizer for wheat? (INTERVIEWER: Remind the respondent to consider multiple applications.)	Number of Applications:				
	Household labour					
	Total Labour Days					
	Hired Labour					
	Total Labour Days					
	Daily wage					
F2.11	Did you use any organic fertilizers on your wheat crop last Rabi?	Yes		1		Size of trolley in kgs
	No		2 →P2			
F2.12	Which organic fertilizers did you purchase and use for your cotton crop? In what quanties?	Purchase?	Amount	Used?	Cost (Rs.)	Size of trolley in kgs
	Yes = 1 No =2	1. Trolley 2. Kgs	1. Trolley 2. Kgs	1. Cost/unit		
	A. Manure /Compost/FYM	1 2	1. 2.	1. 2.	1. 2.	
	B. Biofertilizer	1 2	1. 2.	1. 2.	1. 2.	
	C. Vermicompost	1 2	1. 2.	1. 2.	1. 2.	
	D. Cake (Castor cake)	1 2	1. 2.	1. 2.	1. 2.	
	E. OTHER (specify)					
	E1.	1 2	1. 2.	1. 2.	1. 2.	
	E2.	1 2	1. 2.	1. 2.	1. 2.	
F2.13	What was the labour costs for the application of organic fertilizer for wheat? (INTERVIEWER: Remind the respondent to consider multiple applications.)	Number of applications:				
	Household labour					
	Total Labour Days					
	Hired Labour					
	Total Labour Days					
	Daily wage					
	Total Labour Cost					
	Tractor/Bullock					
	Total Cost					
	Total hours or vigha					
Rs/hr or rs/vigha						

P2. Pesticides and Diseases

NOW, WE WILL ASK YOU SIMILAR QUESTIONS REGARDING YOUR PESTICIDE USAGE.

P2.0	Did you solicit or receive any advice on pesticides during Rabi 2010-11?	YES	1	→P2.2
		NO	2	
P2.1	Who or what were the TWO most important sources of advice? (USE SOURCE CODE- DO NOT PROMPT)	FIRST		
		SECOND		
P2.2	Did you use any pesticides with your wheat crop last Rabi?	YES	1	→P2.4
		NO	2	
P2.3	Why did you not use pesticides last Rabi? (CIRCLE ALL THAT APPLY)	Due to crop conditions	1 2	→P2.9
		Too expensive	1 2	
		Not useful	1 2	

		Not available		1 2	→P2.9
		Bad experience		1 2	→P2.9
		Don't know how		1 2	→P2.9
		Use natural methods		1 2	→P2.9
		Not necessary		1 2	→P2.9
		Other (specify)		888	→P2.9
		Don't know		999	→P2.9
P2.4	Did you make the decisions on which pesticides to use?	YES		1	
		NO		2	→P2.6
P2.5	If yes, aside from the type of pest or disease, what was the most important factor in determining which pesticide you used? (CIRCLE ONLY ONE)	Low Price		1	→P2.7
		Safe Yield		2	→P2.7
		High Yield		3	→P2.7
		What farmer friends use		4	→P2.7
		Availability		5	→P2.7
		Soil fertility		6	→P2.7
		Seed variety		7	→P2.7
		Health reasons		8	→P2.7
		General advice (specify source)		9	→P2.7
		Other (specify)		888	→P2.7
		Don't know		999	→P2.7
P2.6	If not, who made the decision?	Use codes from A.07			
		Other (specify)		888	

P2.71	Which pesticides have you purchased and/or used in last Rabi 2011
-------	---

Sl. No.	Which pesticides have you purchased and/or used in last Rabi 2011												
	Purchase				Used			Purpose		Application			
	Yes/No	Quantity	Unit	Total cost (Rs.)	Yes/No	Total Quantity Used	Unit	Did you purchase this pesticide to treat : 1 All pests 2. Specific pest	If it was a specific pest, which one was it? (Use Code)	No. of Applications	Area of Application	Unit of area 1.Acre 2. Bigha 3. Guntha	
			1. Lit 2. ml 3. Kg 4. gm 5. bags (Size in kgs)				1. Litre 2. ml 3. Kg 4. gm 5. bags (Size in kgs)						
1. Endosulphan	Y	N				Y	N			1	2		
2. Quinalphos	Y	N				Y	N			1	2		
3. Monocrotophos	Y	N				Y	N			1	2		
6. Phosphamidon	Y	N				Y	N			1	2		
8. Imidachloprid	Y	N				Y	N			1	2		
10. Acephat	Y	N				Y	N			1	2		
15. Fenvalrate	Y	N				Y	N			1	2		
16. Mancozeb	Y	N				Y	N			1	2		
17. Carbendazim	Y	N				Y	N			1	2		
20. Other 1	Y	N				Y	N			1	2		
21. Other 2	Y	N				Y	N			1	2		
22. Other 3	Y	N				Y	N			1	2		

Codes for Purpose

1	2	3	4	5	6	7	8	888	999
Termite	Stem Borer	Cut Worm	Aphid	Stem Rust	Seedling Blight	Loose Smut	Black seed Spot	Other	Don't Know

INTERVIEWER CHECKPOINT: If the respondent did not use any pesticides, only ask P2.9, P2.9t						
P2.9	Have you applied any bio-control methods to control pests or diseases Rabi 2010-11 for wheat?	YES		1		
		NO		2		
		DON'T KNOW		999		
P2.9t	What biological method have you used? (CIRCLE ALL THAT APPLY)	Used Yes/No	Quantity used	Unit 1. Nos 2. Kg 3. Lit 4. Bag	Total Cost (Rs)	Size of bag in kilos
	A. Installation of pheromone trap	1 2				
	B. Release of Chrysoperla	1 2				
	C. Spraying of Neem form or Neem seed kernel suspension	1 2				
	D. Release of Trichogramma	1 2				
	E. Spraying of HNPV/SNPV	1 2				
	F. Use of Tricoderma	1 2				
	G. Installation of Sticky cards (yellow/blue)	1 2				
	H. Other (Specify)					
	H1. H2.	1 2 1 2				
P2.10	What was the TOTAL labour costs for the application of pesticides and fungicides last Kharif?	Number of applications:				
		Household labour				
		Total labour days				
	(INTERVIEWER: Remind respondent of multiple applications, and all potential pests and diseases.)	Hired Labour				
		Total labour days				
		Daily wage				
		Total labour cost				

SECTION C3: AGRICULTURAL PRACTICES (CUMIN)

INTERVIEWER NOTE: Do not mention Avaaj Otalo by name in these sections as an option.

INTERVIEWER READOUT: Now we will ask you about your practices related to Cumin for last Rabi.

C3. Cumin (General)					
C3.1	Do you solicit or receive any advice on selection of Cumin crop?	YES	1	→C3.3	
		NO	2		
C3.2	Who or what were the TWO most important sources? (USE SOURCE CODE- DO NOT PROMPT)	FIRST			
		SECOND			
C3.3	Did you plant Cumin last Rabi?	YES	1	→ V	
		NO	2		
C3.5	What was the total area you planted?		ACRE		
			BIGHA		
			GUNTHA		
INTERVIEWER CHECKPOINT: For quantity planted use same unit as in C3.5					
C3.5x	When did you plant cumin last Rabi?	1st Planting (ww/mm) :	Qty:		
		2nd Planting (ww/mm) :	Qty:		
		3rd Planting (ww/mm) :	Qty:		
C3.51	Total crop loss due to weather, pests etc..		ACRE		
			BIGHA		
			GUNTHA		
			Percentage		
C3.51a	Which pests afflicted your Cumin and what was the maximum area of infestation?			What was the maximum area of infestation during the Kharif and Rabi? Area or % of cotton planted	
			1: Yes 2: No	Area %	
	Sucking pests	1. Aphid	1 2	a b g	
		2. Thrips	1 2	a b g	
		3. White fly	1 2	a b g	
		4. Jassids	1 2	a b g	
	Disease	5. Blight	1 2	a b g	
		6. Powdery Mildew	1 2	a b g	
		7. Wilt	1 2	a b g	
	Others	8. Other 1	1 2	a b g	
9. Not any		1 2	a b g		
C3.6	Do you treat your soil before planting?	YES	1	→C3.9	
		NO	2		
C3.7	How did you treat your soil Before planting of Cumin? (CIRCLE ALL THAT APPLY)	Added organic manure	1 2		
		Cleaned the soil from last harvest	1 2		
		Ploughing/Furrowing/Pulverizing	1 2		
		Levelling the soil as per crop	1 2		
		Prepares Irrigation bed/furrows	1 2		
		Other (specify)	888		
C3.8	What were the labour costs for cumin land preparation in Rabi 2011-12?	Household labour		Total Labour Days	
		Hired Labour		Total Labour Days	
				Daily wage	
				Total Labour Cost	
		Tractor/Bullock		Total Cost	
		Total hours or vigha			
		Rs/hr or rs/vigha			
C3.9	How many times did you irrigate your Cumin crop last Rabi?				
C3.10	What was the cost per irrigation or total cost of irrigation for last Rabi?	TOTAL COST	Rs.		
		COST PER IRRIGATION	Rs.		
		DIESEL/KEROSENE	Rs.		
		ELECTRICITY BILL	Rs.		

INTERVIEWER READOUT: NOW, WE WILL ASK YOU DETAILED QUESTIONS ABOUT YOUR FARMING PRACTICES, FROM SEED TO FERTILIZER TO PESTICIDE USAGE.

S3. Seeds						
S3.0a	Did you delay the planting of cumin last year?	YES	1			
		NO	2	→S3.1		
S3.0b	If yes, then why? (Record Verbatim)					
		Don't know	999			
S3.1	What was the most important factor in determining which seed you used? (CIRCLE ONLY ONE)	Low Price	1			
		Pest Resistance	2			
		Safe Yield	3			
		High Yield	4			
		Few Input Requirements	5			
		Water requirements	6			
		What farmer friends use	7			
		Availability	8			
		Soil fertility	9			
		General advice (specify source)	10			
		Other (specify)	888			
		Don't know	999			
S3.3	Did you solicit or receive any advice on cumin seeds last Rabi 2011-12?	YES	1			
		NO	2	→S3.5		
S3.4	Who or what were the TWO most important sources? (USE SOURCE CODE- DO NOT PROMPT)	FIRST				
		SECOND				
S3.5	Did you purchase cumin seeds last Kharif or reuse old seeds?	PURCHASE	1			
		REUSE	2	→S3.7		
		BOTH	3			
S3.6	What seeds did you purchase? How many kilograms or packets of seeds did you purchase? What was the price? (INTERVIEWER: FOR RABI 2010) 1. Gujarat Cumin 1 2. Gujarat Cumin 2 3. Gujarat Cumin 3 4. Gujarat Cumin 4 5. Rajasthan Cumin 2 888. Other, (specify)	SEED 1:				
			KGS	Price/kg		
				Total cost		
			PACKETS	Price/packet		
			Pkt qty	Total Cost		
		SEED 2:				
			KGS	Price/kg		
				Total cost		
			PACKETS	Price/packet		
			Pkt qty	Total Cost		
		SEED 3:				
			KGS	Price/kg		
				Total cost		
			PACKETS	Price/packet		
	Pkt qty	Total Cost				
S3.7	What are the names of the seed you used? And, what quantity did you use for each seed? (INTERVIEWER: FOR RABI 2010) 1. Gujarat Cumin 1 2. Gujarat Cumin 2 3. Gujarat Cumin 3 4. Gujarat Cumin 4 5. Rajasthan Cumin 2 888. Other, (specify)	1. SEED NAME:				
		QUANTITY USED:				
			PACKETS	KGS		
			Pkt qty			
		2. SEED NAME:				
		QUANTITY USED:				
			PACKETS	KGS		
			Pkt qty			
		3. SEED NAME:				
		QUANTITY USED:				
			PACKETS	KGS		
			Pkt qty			
		S3.8	What were the labour costs for sowing cumin seeds in Rabi 2011-12?	Household labour		
				Total Labour Days		
Hired Labour						
Total Labour Days						
Daily wage						
Total Labour Cost						
Tractor/Bullock						
Total Cost						
Total hours or vigha						

			Rs/hr or rs/vigha		
S3.9	Did you treat your seeds before planting?	YES	1		
		NO	2	→S3.11	
S3.10	How did you treat your seeds? (INTERVIEWER NOTE: Find out exactly what names/brands respondent used.)	Option	Code	Specify	
		A. FUNGICIDES	1 2		
		B. PESTICIDES	1 2		
		C. BIOLOGICAL METHOD	1 2		
		D. OTHER			
		D1.	1 2		
		D2.	1 2		
S3.11	Did you use the broadcasting method or did you plant in rows in Rabi 2010-11?	Broadcasting	1	→F3	
		In Rows	2		
		DON'T KNOW	999	→F3	
S3.12	What was the spacing between the rows? (INTERVIEWER: Measure using a ruler.)		CMS		
			FT		
			INCHES		
		DON'T KNOW	999		

F3. Fertilizers												
NOW WE WILL ASK YOU QUESTIONS ABOUT YOUR FERTILIZER USAGE IN THE LAST MONTH. Remember these questions only pertain to your												
F3.0	Did you solicit or receive any advice regarding fertilizer last Rabi?	YES			1	→F3.2						
		NO			2							
F3.1	Who or what were the TWO most important sources? (USE SOURCE CODE- DO NOT PROMPT)	FIRST										
		SECOND										
F3.2	Did you use fertilizers last Rabi with your cumin crop?	YES			1	→F3.4						
		NO			2							
F3.3	Why did you not use fertilizer?	Wrong time in crop phase			1	2	→ P3					
		Too expensive			1	2	→ P3					
		Not useful			1	2	→ P3					
		Not available			1	2	→ P3					
		Bad experience			1	2	→ P3					
		Don't know how			1	2	→ P3					
		Other (specify)			888		→ P3					
F3.4	Did you make the decisions on which fertilizers to use?	YES			1	→F3.6						
		NO			2							
F3.5	If yes, what was the most important factor in determining which fertilizer you used? (CIRCLE ONLY ONE)	Low Price			1	→F3.7						
		Safe Yield			2	→F3.7						
		High Yield			3	→F3.7						
		What farmer friends use			4	→F3.7						
		Availability			5	→F3.7						
		Soil fertility			6	→F3.7						
		Seed variety			7	→F3.7						
		General advice (specify source)			8	→F3.7						
						→F3.7						
		Other (specify)			888	→F3.7						
						→F3.7						
F3.6	If not, who made the decision?	Use codes from A.07										
		Other (specify)			888							
F3.7	Did you purchase fertilizers or reuse from the previous year?	PURCHASE			1	→F3.10						
		REUSE			2							
		BOTH			3							
F3.8	Which chemical fertilizers did you purchase and use for your cumn crop? In what quanties?	Purchase?		Amount	1.	Used?	Cost (Rs.)	Size of bags in kilos				
		YES = 1 NO = 2		kg; 2. litre	Amount	1. kg; 2. litre 3. No. of bags	1. Cost/unit 2. Total					
		A. Urea	1 2	1.	2.	3.	1.	2.	3.	1.	2.	
		B. Ammonium Sulfate	1 2	1.	2.	3.	1.	2.	3.	1.	2.	
		C. DAP	1 2	1.	2.	3.	1.	2.	3.	1.	2.	
	D. Murate of Potash (MoP)	1 2	1.	2.	3.	1.	2.	3.	1.	2.		

	E. N-P-K grade fertilizers	1 2	1. 2. 3.	1. 2. 3.	1. 2.		
	E1.		1. 2. 3.	1. 2. 3.	1. 2.		
	E2.		1. 2. 3.	1. 2. 3.	1. 2.		
	F. Micronutrient Fertilizer	1 2	1. 2. 3.	1. 2. 3.	1. 2.		
	F1.		1. 2. 3.	1. 2. 3.	1. 2.		
	F2.		1. 2. 3.	1. 2. 3.	1. 2.		
	G. OTHER (specify)						
	G1.	1 2	1. 2. 3.	1. 2. 3.	1. 2.		
	G2.	1 2	1. 2. 3.	1. 2. 3.	1. 2.		
F3.10	What were the labour costs for the application of chemical fertilizer for cumin? (INTERVIEWER: Remind the respondent to consider multiple applications.)	Number of Applications:					
		Household labour					
		Total Labour Days					
		Hired Labour					
		Total Labour Days					
		Daily wage					
		Total Labour Cost					
F3.11	Did you use any organic fertilizers on your cumin crop last Rabi?	Yes	1				
	No	2		→P3			
F3.12	Which organic fertilizers did you purchase and use for your cumin crop? In what quantities?	Purchase?	Amount	1.	Used?	Cost (Rs.)	Size of
		Yes = 1 No =2	Trolley	2.	1. Trolley	1. Cost/unit	trolley in
			Kgs		2. Kgs	2. Total	kilos
	A. Manure /Compost/FYM	1 2	1. 2.	1. 2.	1. 2.		
	B. Biofertilizer	1 2	1. 2.	1. 2.	1. 2.		
	C. Vermicompost	1 2	1. 2.	1. 2.	1. 2.		
	D. Cake (Castor cake)	1 2	1. 2.	1. 2.	1. 2.		
	E. OTHER (specify)						
	E1.	1 2	1. 2.	1. 2.	1. 2.		
E2.	1 2	1. 2.	1. 2.	1. 2.			
F3.13	What was the labour costs for the application of organic fertilizer for cumin? (INTERVIEWER: Remind the respondent to consider multiple applications.)	Number of applications:					
		Household labour					
		Total Labour Days					
		Hired Labour					
		Total Labour Days					
		Daily wage					
		Total Labour Cost					
		Tractor/Bullock					
		Total Cost					
		Total hours or vigha					
	Rs/hr or rs/vigha						

P3. Pesticides and Diseases

NOW, WE WILL ASK YOU SIMILAR QUESTIONS REGARDING YOUR PESTICIDE USAGE.						
P3.0	Did you solicit or receive any advice on pesticides during Rabi 2011-12 for cumin?	YES	1			
		NO	2		→P3.2	
P3.1	Who or what were the TWO most important sources of advice? (USE SOURCE CODE- DO NOT PROMPT)	FIRST				
		SECOND				
P3.2	Did you use any pesticides with your cumin?	YES	1			
		NO	2		→P3.9	
P3.4	Did you make the decisions on which pesticides to use?	YES	1			
		NO	2		→P3.6	
P3.5	If yes, aside from the type of pest or disease, what was the most important factor in determining which pesticide you used? (CIRCLE ONLY ONE)	Low Price	1		→P3.7	
		Safe Yield	2		→P3.7	
		High Yield	3		→P3.7	
		What farmer friends use	4		→P3.7	
		Availability	5		→P3.7	
		Soil fertility	6		→P3.7	
		Seed variety	7		→P3.7	
		Health reasons	8		→P3.7	

		General advice (specify source)	9	→P3.7		
				→P3.7		
		Other (specify)	888	→P3.7		
		Don't know		999	→P3.9	
P3.6	If not, who made the decision?	Use codes from A.07				
		Other (specify)		888		

P3.71 Which pesticides have you purchased and/or used in last Rabi 2011

	Purchase		Unit	Quantity	Total cost (Rs.)	Used		Unit	Did you purchase this pesticide to treat : 1 All pests 2. Specific pest	Purpose If it was a specific pest, which one was it? (Use Code)	No. of Applications	Area of Application	Unit of area 1. Acre 2. Bigha 3. Guntha
3. Monocrotophos	Y	N	1. Lit 2. ml 3. Kg 4. gm 5. bags (Size in kgs)			Y	N		1 2				
6. Phosphamidon	Y	N				Y	N		1 2				
7. Dimethoate	Y	N				Y	N		1 2				
8. Imidachloprid	Y	N				Y	N		1 2				
9. Acetamaprid	Y	N				Y	N		1 2				
10. Acephat	Y	N				Y	N		1 2				
13. Thiamethoxam	Y	N				Y	N		1 2				
16. Mancozeb	Y	N				Y	N		1 2				
17. Carbendazim	Y	N				Y	N		1 2				
20. Sulphur	Y	N				Y	N		1 2				
21. Other 1	Y	N				Y	N		1 2				
22. Other 2	Y	N				Y	N		1 2				

Codes for Purpose

1	2	3	4	5	6	7	888	999
Aphid	Blight	Powdery Mildew	Wilt	Thrips	White fly	Jassids	Other	Don't know

INTERVIEWER CHECKPOINT: If the respondent did not use any pesticides, only ask P3.9 and P3.9t						
P3.9	Have you applied any bio-control methods to control pests or diseases last month?	YES 1				
		NO 2				
		DON'T KNOW 999				
P3.9t	What biological method have you used? (CIRCLE ALL THAT APPLY)	Used Yes/No	Quantity used	Unit 1. Nos 2. Kg 3. Lit 4. Bag	Total Cost (Rs)	Size of bags in kilos
	A. Installation of pheromone trap	1 2				
	B. Release of Chrysoperla	1 2				
	C. Spraying of Neem form or Neem seed kernel suspension	1 2				
	D. Release of Trichogramma	1 2				
	E. Spraying of HNPV/SNPV	1 2				
	F. Use of Tricoderma	1 2				
	G. Installation of Sticky cards (yellow/blue)	1 2				
	H. Other (Specify)					
	H1.	1 2				
	H2.	1 2				
P3.10	What was the TOTAL labour costs for the application of pesticides and fungicides last Kharif?	Number of applications:				
		Household labour				
				Total labour days		
	(INTERVIEWER: Remind respondent of multiple applications, and all potential pests and diseases.)	Hired Labour				
				Total labour days		
				Daily wage		
				Total labour cost		

Section V: Health Effects

SURVEYOR CHECKPOINT: MAKE SURE THAT THE RESPONDENT USES PESTICIDES ON ANY OF HIS CULTIVATED CROPS				
V1.1	If the pesticide you purchased contains instructions for safe use and handling, do you typically follow these instructions?	Yes always	1	
		Yes, some time	2	
		No	3	
		Not understand	4	
		Decline to answer	777	
		Other (Specify)	888	
		DON'T KNOW	999	
V1.2a	(Surveyor presents two photographs. One is a pesticide bottle with red symbol (A) and the other is a pesticide bottle with green symbol (B)). Is it more important to wear a handkerchief around your mouth while spraying pesticide (A) or pesticide (B), is it equally important for both (A) and (B), or is it not necessary for either?	Pesticide bottle A	1	
		Pesticide bottle B	2	
		Both A and B	3	
		Neither	4	
		Decline to answer	777	
		Don't Know	999	
V1.2b	(Surveyor presents two photographs. One is a pesticide bottle with yellow symbol (A) and the other is a pesticide bottle with green symbol (B)) Is it more important to wear an overall jacket while spraying pesticide (A), or pesticide (B), is it equally important for both (A) and (B), or is it necessary for neither?	Pesticide bottle A	1	
		Pesticide bottle B	2	
		Both A and B	3	
		Neither	4	
		Decline to answer	777	
		Don't Know	999	
V1.2c	(Surveyor presents two photographs. One is a pesticide bottle with blue symbol (A) and the other is a pesticide bottle with green symbol (B)) Is it important to wear hand gloves while mixing pesticide (A), or pesticide (B), is it equally important for both (A) and (B), or is it necessary for neither?	Pesticide bottle A	1	
		Pesticide bottle B	2	
		Both A and B	3	
		Neither	4	
		Decline to answer	777	
		Don't Know	999	
V1.3	In your opinion, do you believe that some pesticides have worse effects on your health than others, or do all of them affect your health the same way?	Yes: Pesticides have differential effects	1	
		No: All pesticides have the same effect	2	
		Decline to answer	777	
		Other (Specify)	888	
		DON'T KNOW	999	
V1.4	Between Monocrotophos and Imidacloprid which pesticide do you think is more harmful to human health?	Monocrotophos	1	
		Imida	2	
		Both are harmful to the same extent	3	
		Both are harmless	4	
		Decline to answer	777	
		Other (Specify)	888	
		DON'T KNOW	999	
V1.5	Between Acephate and Pride which pesticide do you think is more harmful to human health?	Acephate	1	
		Pride	2	
		Both are harmful to the same extent	3	
		Both are harmless	4	
		Decline to answer	777	
		Other (Specify)	888	
		DON'T KNOW	999	
V1.6	How harmful do you think exposure to Monocrotophos is to your health on a scale of 1 to 5 (1 not harmful, 5 being very harmful)	Not Harmful	1	
		Less Harmful	2	
		Moderately Harmful	3	
		More Harmful	4	
		Extremely Harmful	5	
		Decline to answer	777	
		DON'T KNOW	999	
V1.7	How harmful do you think exposure to Imidachloprid is to your health on a scale of 1 to 5 (1 not harmful, 5 being very harmful)	Not Harmful	1	
		Less Harmful	2	
		Moderately Harmful	3	
		More Harmful	4	
		Extremely Harmful	5	
		Decline to answer	777	
		DON'T KNOW	999	
V1.8	How harmful do you think exposure to Acephate is to your health on a scale of 1 to 5 (1 not harmful, 5 being very harmful)	Not Harmful	1	
		Less Harmful	2	
		Moderately Harmful	3	
		More Harmful	4	
		Extremely Harmful	5	
		Decline to answer	777	
		DON'T KNOW	999	
V1.9	How harmful do you think exposure to Pride is to your health on a scale of 1 to 5 (1 not harmful, 5 being very harmful)	Not Harmful	1	
		Less Harmful	2	
		Moderately Harmful	3	
		More Harmful	4	
		Extremely Harmful	5	

		Decline to answer	777	
		DON'T KNOW	999	
V1.10	Once you have purchased pesticides and it comes time for mixing the pesticide and preparing it for tanks, who typically does this mixing in your household? (multiple answer possible)	Self	1	
		Wife/Husband	2	
		Son	3	
		Daughter	4	
		Brother	5	
		Other family members	6	
		Hired labor	7	
		Decline to answer	777	
		Other (Specify)	888	
		DON'T KNOW	999	
V1.11	Do you, or whoever is mixing the pesticides, wear any protective gear when mixing these pesticides? (multiple answer possible)	Normal Cloths	1	
		Gloves	2	
		Glasses/Goggles	3	
		Oral/Nasal Mask	4	
		Handkerchief around mouth	5	
		Special Boots	6	
		Wear Overalls/Special Jackets	7	
		Plastic bags around hands	8	
		None	9	
		Decline to answer	777	
		Other (Specify)	888	
		DON'T KNOW	999	
V1.12	Are there additional precautions that you (or whoever is mixing for you) take when mixing pesticides? (multiple answers possible)	Avoid mixing in eating spaces	1	
		Wash hands after mixing	2	
		Take bath after mixing	3	
		Wash clothes after mixing	4	
		Mix away from children	5	
		Disposal of container after mixing	6	
		Decline to answer	777	
		Other (Specify)	888	
		DON'T KNOW	999	
V1.13	During the Kharif season, who typically sprays pesticides in your field? (multiple answer possible)	Self	1	
		Wife/Husband	2	
		Son	3	
		Daughter	4	
		Brother	5	
		Other family members	6	
		Hired labor	7	
		Decline to answer	777	
		Other (Specify)	888	
		DON'T KNOW	999	
V1.14	What protective gear do you (or whoever applies pesticides for you) wear when spraying? (multiple answer possible)	Normal Cloths	1	
		Gloves	2	
		Glasses/Goggles	3	
		Oral/Nasal Mask	4	
		Handkerchief around mouth	5	
		Special Boots	6	
		Wear Overalls/Special Jackets	7	
		Plastic bags around hands	8	
		None	9	
		Decline to answer	777	
V1.15	Do you (or whoever applies pesticides for you) take any other safety measures while spraying pesticides? (multiple answer possible)	Other (Specify)	888	
		DON'T KNOW	999	
		Not eat or drink anything	1	
		Not Smoking	2	
		Wash Hands with soap	3	
		Take bath	4	
		Wash the cloths used	5	
		Keep away from children	6	
		Not use mouth to syphon container	7	
		Disposal of used container	8	
		Spray pesticides in the same direction as the wind	9	
		Decline to answer	777	
		Other (Specify)	888	
V1.16	During the Kharif season, who typically harvests your cotton crop in the field? (multiple answer possible)	DON'T KNOW	999	
		Self	1	
		Wife/Husband	2	
		Son	3	
		Daughter	4	
		Brother	5	
		Other family members	6	

		Hired labor	7	
		Not applicable	666	
		Decline to answer	777	
		Other (Specify)	888	
		DON'T KNOW	999	
	V1.17	What protective gear do you (or whoever applies pesticides for you) wear when harvesting cotton? (multiple answer possible)		
		Normal Cloths	1	
		Gloves	2	
		Glasses/Goggles	3	
		Oral/Nasal Mask	4	
		Handkerchief around mouth	5	
		Special Boots	6	
		Wear Overalls/Special Jackets	7	
		Plastic bags around hands	8	
		None	9	
		Not applicable	666	
		Decline to answer	777	
		Other (Specify)	888	
		DON'T KNOW	999	

V1.18 Have you experience any of the following ailments after pesticide application during the Kharif/Rabi season?					
INTERVIEWER CHECKPOINT (Skip this section if V1.13 is not SELF)					
		Yes/No	How frequently did you experience this ailment? 1. After every application , 2. > 10 times, 3. > 5-10 times, 4. < 5 times.	Did you seek any treatment for this? Yes/No (If	Where did you seek treatment? USE CODE
	Nausea	Y N		Y N	
	Vomiting	Y N		Y N	
	Head ache	Y N		Y N	
	Skin irritation	Y N		Y N	
	Eye irritation	Y N		Y N	
	Weakness	Y N		Y N	
	Dizziness	Y N		Y N	
	Loss of consciousness	Y N		Y N	
	Breathlessness	Y N		Y N	
	Others (Specify)	Y N		Y N	
Codes for way of treatment					
1	2	3	4	5	6
Primary Health Centre	Private Clinic in the village	Private Clinic in taluka/district	Civil Hospital	Mobile Ambulance (108)	Other

SECTION I and J: HOUSEHOLD INDEBTEDNESS AND SAVINGS				
INTERVIEWER READOUT: Now, we will ask you questions about loans your household may have. These questions will help us understand your decision-making processes.				
I1.1	Does anybody in the household have any debts, such as loans from banks, moneylenders or friends?	YES	1	→ J
		NO	2	
		DON'T KNOW/WILL NOT SAY	999	
I1.2	Did anybody in the household take out any new loans in the past one year?	YES	1	
		NO	2	
		DON'T KNOW/WILL NOT SAY	999	
I1.3	How many outstanding loans does the household have?			
I1.4	What is the total outstanding debt, of all the loans combined?	Rs. _____		
I1.5	What were the loans used towards? (CIRCLE ALL THAT APPLY) (1 = YES, 2 = NO)	WEDDING	1 2	
		MEDICAL EXPENSES	1 2	
		BUSINESS/ AGRICULTURAL INPUTS	1 2	
		HOUSE IMPROVEMENTS	1 2	
		HOUSEHOLD EXPENSES	1 2	
		EDUCATION EXPENSES	1 2	
		OTHER (Specify)	888	
		DON'T KNOW	999	
J. SAVINGS				
J1.1	Does anyone in your household have a savings account of any kind?	YES	1	
		NO	2	→ end
		DON'T KNOW	999	→ end
J1.2	How many savings accounts does the household have?			
J1.3	What is the total balance in savings of all accounts?	Rs. _____		

SECTION Z(B) : SURVEY COMPARISON
INTERVIEWER CHECKPOINT: PLEASE FILL THIS IN BEFORE FILLING IN SECTION
Household ID:

--	--	--	--	--	--	--	--

INTERVIEWER: We would now like to ask you some more basic questions about your household and yourself, that will help us further understand agricultural practices and decisions of families in Gujarat. Because these questions come as an addition to our basic survey, you will be compensated with an extra Rs. 20 top-up. This section will however not take more than 10-15 minutes. Can I proceed with the section ?

Yes

No

→ FINAL PAGE

	INTERVIEWER: Let me start by a couple questions on your experience of Avaaz-Otalo			
	NOTE: For all questions, NEVER READ the "do not know", "not applicable" or "decline to answer" choices. These should be checked only if the respondent expresses on his own either this question not being applicable to him, or not knowing the answer or not wanting to answer. For MULTIPLE CHOICE QUESTIONS, do not read the answer choices. Read the question, and then match the respondent's answers to the given options.			
Z1.1	Excluding Wednesday push calls, when was the last time that you called into the AO service? (If respondent answers with a time period that is before May 2012, then enter 0 for Z1.2 and go to Z1.3)	Week		→ Z1.3
		Month		
		Year		
		Not applicable	666	
	Don't Know	999		
Z1.2	How many times have you called the AO service in May 2012?	Not applicable	666	
		Don't Know	999	
Z1.3	How satisfied would you say you are with the AO service? Very unsatisfied, unsatisfied, indifferent, satisfied, or very satisfied?	Very Unsatisfied	1	
		Unsatisfied	2	
		Indifferent	3	
		Satisfied	4	
		Very Satisfied	5	
		Don't Know	999	
INTERVIEWER: I would now like to ask you some more questions about your household.				
Z2	What sub-caste would you identify yourself with? (Record Verbatim)			
		Decline to answer	777	
		Don't Know	999	
Z3.1	How many members does your household count in total? INTERVIEWER: By member of household, we mean all	Decline to answer	777	
		Don't Know	999	
INTERVIEWER: We would now like to ask you a few questions about the composition of your household, by activity. Please count each member of the household – including you - only once. If a member fits into more				
Z3.2	How many members of your household are above 16 and are working on your own land? (Please count anyone whose main activity is to work on farming)	Decline to answer	777	
		Don't Know	999	
Z3.3	How many members of your household are above 16 and working from home? (This includes anyone working on non-farming activities from the household's home)	Decline to answer	777	
		Don't Know	999	
Z3.4	How many members of your household are above 16 and are working outside the house but not on your land?	Decline to answer	777	
		Don't Know	999	
Z3.5	How many members of your household are above 16 and stay at home and do not work during the day? (retirees, housewife...)	Decline to answer	777	
		Don't Know	999	
Z3.6	How many members of your household are under 16 and are in school?	Decline to answer	777	
		Don't Know	999	
Z3.7	How many people in this household are under 16 and are either at home or working during the day?	Decline to answer	777	
		Don't Know	999	
Z3.8	How many people in this household have an other type of activity and haven't been accounted for in the previous categories?	Decline to answer	777	
		Don't Know	999	
INTERVIEWER CHECKPOINT: Z3.2 + Z3.3 + Z3.4 + Z3.5 + Z3.6 + Z3.7+ Z3.8 =..... This should be equal to Z3.1. If not, walk the respondent through his answers and ask him to confirm that he hasn't forgotten a member, or counted a member twice in two different categories. Make sure the respondent hasn't forgotten to count him/herself.				
INTERVIEWER: I now have some general questions about your own and your family's health				
Z4.1	How is your own health in general? Is it very bad, bad, fair, good, very good?	Very Bad	1	
		Bad	2	
		Fair	3	
		Good	4	
		Very good	5	

		Decline to answer	777	
		Don't Know	999	
Z4.2	How is your spouse's health in general? Is it very bad, bad, fair, good, very good? NOTE: if the respondent says he/she is either not married, or widowed, then circle "Not applicable"	Very Bad	1	
		Bad	2	
		Fair	3	
		Good	4	
		Very good	5	
		Not applicable	666	
		Decline to answer	777	
		Don't Know	999	
Z4.3	How is your eldest child's health in general? Is it very bad, bad, fair, good, very good? NOTE: if the respondent says he/she does not have children, then circle "Not applicable"	Very Bad	1	
		Bad	2	
		Fair	3	
		Good	4	
		Very good	5	
		Not applicable	666	
		Decline to answer	777	
		Don't Know	999	
INTERVIEWER: We would now like to ask you a few questions about your opinion of farming as a profession, and of services in your village and district.				
Z5.1	How would you rate the quality of education in the closest primary school: Very bad, Bad, Fair, Good, or Very good?	Very Bad	1	
		Bad	2	
		Fair	3	
		Good	4	
		Very good	5	
		Not applicable	666	
		Decline to answer	777	
		Don't Know	999	
Z5.2	How would you rate the quality of health services at the primary health centre: Very bad, Bad, Fair, Good, or Very good?	Very Bad	1	
		Bad	2	
		Fair	3	
		Good	4	
		Very good	5	
		Not applicable	666	
		Decline to answer	777	
		Don't Know	999	
Z5.3	How would you rate the quality of the services of the Gram Sewak: Very bad, Bad, Fair, Good, or Very good?	Very Bad	1	
		Bad	2	
		Fair	3	
		Good	4	
		Very good	5	
		Not applicable	666	
		Decline to answer	777	
		Don't Know	999	
Z5.4	How would you rate the quality of the work of NGOs in your village: Very bad, Bad, Fair, Good, or Very good?	Very Bad	1	
		Bad	2	
		Fair	3	
		Good	4	
		Very good	5	
		Not applicable	666	
		Decline to answer	777	
		Don't Know	999	
INTERVIEWER: Let me now please ask you some simple questions about your savings habits				
Z6	How do you usually save money? (circle all that apply) NOTE: Do not probe answers. Read the question, and then match the respondent's answers to the given options. Here, circle all options corresponding to what the respondent said. After the respondent has given one answer, probe him to see if he/she saves in other ways <i>"Do you save in any other way?"</i> .	Cash	1	
		Jewelery, gold, and precious metals.	2	
		Durables (land, cattle, etc)	3	
		Financial products: Savings, Life Insurance etc.	4	
		I don't save	5	
		Other (specify)	888	
		Decline to answer	777	
		Don't Know	999	
Z7.1	Imagine you have to spend a large amount of money today because of an emergency (such as an illness, a damage to your house...), and can only use your household's savings and assets. Remember, you cannot borrow money but have to use your own. What is the maximum amount you could spend?	Rs.		→ Z8.1
		Decline to answer	777	
		Don't Know	999	
INTERVIEWER CHECKPOINT: Only ask Z7.2 if respondent did not give an answer to Z7.1				

Z7.2	Imagine you have to spend a large amount of money today because of an emergency, and can only use your household's savings and assets. Remember, you cannot borrow money but have to use your own. Would you be able to spend the following sum? NOTE: Read out each amount one at a time. Record the answer before moving on to the next amount. Record ALL answers. Do not stop once a respondent has said "No".	Z7.21. Rs 1.000	1. Yes No	2. 999. DNK			
		Z7.22. Rs 5.000	1. Yes No	2. 999. DNK			
		Z7.23. Rs 10.000	1. Yes No	2. 999. DNK			
		Z7.24. Rs 20.000	1. Yes No	2. 999. DNK			
		Z7.25. Rs 30.000	1. Yes No	2. 999. DNK			
		Z7.26. Rs 50.000	1. Yes No	2. 999. DNK			
INTERVIEWER: Now, I'd like to ask you some more questions about agriculture							
Z8.1	At the time of sale, what measure is used to assess the quality of raw cotton?	Staple length		1			
		Seed weight		2			
		Oil content		3			
		Other (specify)		888			
		Don't Know		999			
Z8.2	What is Potash? Record verbatim	Other (specify)		888			
		Don't Know		999			
Z8.3	Out of these four which one is a fungicide?	Confidor		1			
		Dicofol		2			
		Bavistin		3			
		Monocrotophos		4			
		Don't Know		999			
INTERVIEWER: Finally, I'd like to ask you some simple maths questions, that will help us understand better how you make your decisions							
Z9.1	How much is 5 + 3 ?						
		DON'T KNOW		999			
Z9.2	If you have Rs. 32 and someone gives you Rs. 58, how much money do you have?						
		DON'T KNOW		999			
Z9.3	What is 3 times 7 ?						
		DON'T KNOW		999			
Z9.4	If you have three friends and would like to give each one five sweets, how many sweets must you give away?						
		DON'T KNOW		999			
Z9.5	What is one-tenth of 200?						
		DON'T KNOW		999			
Z9.6	Suppose you borrowed Rs. 100 from a moneylender, and the rate of interest was 4% per month. If you made no repayment for three months, how much would you owe: Less than Rs. 104, exactly Rs. 104, or more than Rs. 104.	LESS THAN RS. 104		1			
		EXACTLY RS. 104		2			
		MORE THAN RS. 104		3			
		DON'T KNOW		999			
Z9.7	Suppose you need to borrow Rs 1000. Two people offer you a loan. One loan requires you pay back Rs. 1300 in one month. The second loan requires you to pay back . Rs. 1000 plus 25 % increase in one month. Which loan is a better deal for you?	RS. 1300 IN ONE MONTH		1			
		RS. 1000 + 25% INTEREST IN ONE MONTH		2			
		DON'T KNOW		999			
INTERVIEWER: Thanks a lot for your time, your Rs. 20 top-up will be charged to your phone very shortly. I have one final question for you. Your answer will be used to rate my overall performance:							
Z10	On a scale of 1-5 of would you rate my performance as a surveyor?	1	2	3	4	5	
INTERVIEWER CHECKPOINT: THE NEXT QUESTIONS SHOULD NOT BE ASKED TO THE RESPONDENTS, BUT FILLED BY THE SURVEYOR							
Z11.1	Did the respondent ask for clarification, or any question?	Never	Almost never	Now and then	Often	Very often	DO NOT ASK THE QUESTION - SURVEYOR ASSESSMENT
Z11.2	How focused was the respondent on a scale of 1-5? (1=very distracted, 5=very focused)	1	2	3	4	5	DO NOT ASK THE QUESTION - SURVEYOR ASSESSMENT

Z11.3	Did you feel the respondent was reluctant to answer any question?	Never Almost never Now and then Often Very often	DO NOT ASK THE QUESTION - SURVEYOR ASSESSMENT
Z11.4	Did anyone help the respondent answer, or seemed to be present at the time of survey?	1. Yes 2. No 999. DNK	DO NOT ASK THE QUESTION - SURVEYOR ASSESSMENT

I, _____, CERTIFY THAT I HAVE RECEIVED MY TOTAL TOP-UP FOR PARTICIPATING IN THE AGRICULTURAL INFORMATION SURVEY WITH CMF-DSC-SAJJATA SANGH.

DATE:

INTERVIEWER NOTE: RECORD THE TOP-UP SERIAL NUMBER: _____

THANK THE FARMER FOR HIS TIME AND PARTICIPATION.