

## Questionnaire for baseline survey, June 2013

TALUKA: \_\_\_\_\_ GP: \_\_\_\_\_ VILLAGE: \_\_\_\_\_

HOUSEHOLD ID:

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<b>INTERVIEWER</b> complete before starting the questionnaire:  Interviewer Name: _____  Date of farmer interview # 1: _____ / _____ / _____  Date of farmer interview # 2: _____ / _____ / _____  Date of farmer interview # 3: _____ / _____ / _____	
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### **Section 1: Farmer & his family details**

1.1 Full name of the farmer (+ S/O):	
1.2 Contact number (mobile preferred):	
1.3 Status in the household: <i>Please select (✓)</i>	[1] Family Head      [2] A member

1.4 Please list all household members including the farmer and collect details.

Member's name	Relationship to the farmer	Sex	Age (Years)	Education <sup>1</sup>	Occupation <sup>2</sup>	
					Primary	Secondary
i. Farmer	xx				1	
ii.						
iii.						
iv.						
v.						
vi.						
vii.						
viii.						
ix.						
x.						
xi.						
xii.						
xiii.						
xiv.						
xv.						

<sup>1</sup> Select the appropriate level and enter the number of grade: No formal education = 0; For 1<sup>st</sup> to 10<sup>th</sup> grade in school enter 1–10; 1<sup>st</sup> P.U.C. = 11; 2<sup>nd</sup> P.U.C. = 12; Diploma = 14; B.A./B.Com/B.Sc = 15; BSc (Ag) = 16; Master = 17.

<sup>2</sup> Options: 1 = farmer; 2 = agricultural labor (on farm); 3 = agricultural labor (off farm); 4 = service; 5 = self-employed (technician, business etc.); 6 = student; 7 = servant; 8 = housewife; 9 = unemployed; 10 = retired.

## **Section 2: Agriculture**

2.1 How many years of experience do you have in the following types of farming? Do you practice organic farming methods since 2012? [*INTERVIEWER, ask these questions for all types of farming. Write '0' in case the farmer is not involved in a specific type. Write the no. of years for experience otherwise.*]

Enterprise	Experience		Enterprise	Experience	
	Conventional	Organic		Conventional	Organic
Field crops			Horticulture		
Dairy			Other ( )		

2.2 Do you practice mixed cropping? Please select (√) [0] No [1] Yes

### **Land & Machineries**

2.3 Please tell us about your farm size in last three seasons. [*INTERVIEWER, ask for season-wise data. Report the area of land & units. Write 'ac' for acres & 'g' for guntas.*] (**Kharif** season is from July–October, **Rabi** from October–March and **Summer** is between March and June)

	2012 Kharif	2012-13 Rabi	2013 Summer
Farmland owned			
+ Farmland taken under sharecropping			
+ Farmland taken on rent			
+ Farmland taken on long-term lease			
– Farmland given under sharecropping			
– Farmland given on rent			
– Farmland given on long-term lease			
– Fallow land			
– Pasture land for grazing			
= Total cultivated area			
Of which irrigated area			

2.4 If you had rented/leased (in/out) agricultural land, please provide the following details.

2.4.A SHORT-TERM RENT [*INTERVIEWER, ask for season-wise data. Report the area with unit. Write 'ac' for acres & 'g' for guntas. Write 0 or 1 for the land type question. Write down the total amount of rent. If it is annual payment, note that as remark.*]

	2012 Kharif	2012/13 Rabi	2013 Summer
Cropland rented in			
Type: [0] non-irrigated; [1] irrigated			
Rent paid (Rs.)			
Cropland rented out			
Type: [0] non-irrigated; [1] irrigated			
Rent earned (Rs.)			
Other type of land (specify):			
Rent paid/earned (Rs.)			

#### 2.4.B LONG-TERM LEASE

Cropland leased in (acre, gunta)		Cropland leased out (acre, gunta)	
Type: [0] non-irrigated; [1] irrigated		Type: [0] non-irrigated; [1] irrigated	
Duration of lease contract (years)		Duration of lease contract (years)	
Amount paid (Rs.)		Amount earned (Rs.)	

2.5 Provide details on sharecropping arrangement if you practice sharecropping. *[INTERVIEWER, report cultivator/owner's share in % and land area in acre/ guntas]*

	2012 Kharif		2012/13 Rabi		2013 Summer	
Are you landlord/owner? (Yes = 1)						
Crop grown under sharecropping						
	Value	%	Value	%	Value	%
Cultivator/owner's share in output						
Cultivator/owner's share in expenses:						
Seed						
Tractor						
Water/ irrigation						
Human labor						
Animal labor						
Manure						
Fertilizer						
Thresher						
Other (            )						

2.6 Provide data on land transactions that took place in 2012 & 2013.

	2012 Kharif	2012/13 Rabi	2013 Summer
Land purchased (acre & gunta)			
Type of land purchased <sup>3</sup>			
Total amount paid (Rs.)			
Land sold (acre & gunta)			
Reason for sale <sup>4</sup>			
Type of land sold <sup>3</sup>			
Total amount obtained (Rs.)			
Gifts obtained (acre & gunta)			
Gifts given (acre & gunta)			

<sup>3</sup> Options: 1 = Irrigated land; 2 = Dry land; 3 = Pasture; 4 = Non-agricultural land.

<sup>4</sup> Options: 1 = drought; 2 = health issues; 3 = difficulty to manage; 4 = family needs (marriage etc.); 5 = other.

2.7 Questions on land quality assessment ...

Did you get soil testing done in last 2 years? Please select (√)	[0] No [1] Yes
If YES, who tested it? Please select from the list <sup>5</sup> below and write it in the box.	
Did you follow the suggestions made by soil testing report? Please select (√)	[0] No [1] Yes [2] Report not obtained

2.8 Which agricultural machineries do you own? [*INTERVIEWER*, put a √ mark if farmer owns a particular item and collect data on them. If the farmer doesn't know the exact year, write ×.]

Item	No.	Purchase year	Price (Rs.)	Item	No.	Purchase year	Price (Rs.)
Tractor				Plough			
Tiller				Power tiller			
Harrow				Weeder			
Pump set				Sprayer			
Harvester				Thresher			
Chaff cutter				Other:			

**Field Crops**

[*INTERVIEWER*, ask the farmer to recall information season-wise and then crop-wise. Finish one crop and then start with another crop. For example, if you are collecting data on ragi, finish Table 2.11 for that crop. Then you ask details for another crop that he has grown.]

2.9 Name **all** the crops grown by the farmer since 2012. [*INTERVIEWER*, mention units for land area (acre & gunta) and production (quintal/ kg). If the farmer doesn't know about the crop variety (e.g. BR-2655, GPU-48), write ×. Ask whether a crop was mixed with other crop or not. If yes, then write what ratio of land was under 'main' and 'mixed' crop.]

Season	Crop	Variety	Mixed crop	Ratio	Planted area	Production
Kharif (2012)	i.					
	ii.					
	iii.					
	iv.					
	v.					
Rabi (2012-13)	i.					
	ii.					
	iii.					
	iv.					
	v.					
Summer (2013)	i.					
	ii.					
	iii.					

<sup>5</sup> Options: 1 = Rayata Samparka Kendra (RSK); 2 = Krishi Vignana Kendra (KVK); 3 = NGO; 4 = Other.

2.10 Which crops are you planning to cultivate in Kharif 2013? \_\_\_\_\_

**~ KHARIF 2012 ~**

2.11 If you have grown any of the focus crops <sup>6</sup> in **2012 Kharif** season, please provide following information on each stage of production. [*INTERVIEWER, choose the crops from the list in footnote 6. Ask questions following the crop cycle sequence, complete one crop and then start with another crop. If the farmer can tell which week he has sown the seeds, also write the week. If the crop was mixed with another crop, then collect crop specific production figures and mention unit. Ask for and report no. of male and female labors separately. For “used machine/animal?” question write 1 if the answer is ‘Yes’, otherwise write 0. If an operation has taken place more than once, then record data for each time. Differentiate each time by ‘.’*]

**2.11.A Land preparation to interculture**

Main crop name:	1.		2.		3.	
	Animal	Machinery	Animal	Machinery	Animal	Machinery
<b>Plowing:</b>						
How many times?						
Machine or animal? (Yes = 1, No = 0)						
No. of units used each time						
How many rented?						
Days taken to complete once						
Hours of work per day						
Person(s) needed						
Of which hired labor						
Rental paid in cash (Rs.)						
Rental paid in kind <sup>7</sup>						
Expense on diesel (Rs.) if farmer used own tractor						
<b>Harrowing:</b>						
How many times?						
Machine or animal? (Yes = 1, No = 0)						
No. of units used each time						
How many rented?						
Days taken to complete once						
Hours of work per day						
Person(s) needed						
Of which hired labor						
Rental paid in cash (Rs.)						
Rental paid in kind <sup>8</sup>						
Expense on diesel (Rs.) if farmer used own tractor						

<sup>6</sup> Focus crops: Ragi, Paddy, Redgram, Cotton, Sunflower, and Bengal gram.

<sup>7</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<sup>8</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<b>Sowing/ Planting:</b>						
Time of sowing (month, week)						
Quantity of homegrown seeds (kg)						
Source of purchased or gifted seeds <sup>9</sup>						
Quantity of purchased or gift seeds:						
Bag size (kg)						
No. of bags						
Price of purchased seeds (Rs.)						
Expense on seedlings (Rs.)						
<b>Sowing continued ...</b>	<b>Animal</b>	<b>Machinery</b>	<b>Animal</b>	<b>Machinery</b>	<b>Animal</b>	<b>Machinery</b>
How many times?						
Machine or animal? (Yes = 1, No = 0)						
No. of units used each time						
How many rented?						
Days taken to complete once						
Hours of work per day						
Expense on animal/machine power						
<b>Person(s) needed (separate):</b>						
Male						
Female						
<b>Of which hired labor:</b>						
Male						
Female						
<b>Wage in cash:</b>						
Male						
Female						
<b>Wage in kind <sup>10</sup>:</b>						
Male						
Female						
<b>Transplanting:</b>	<b>Ani./Hum.</b>	<b>Machinery</b>	<b>Ani./Hum.</b>	<b>Machinery</b>	<b>Ani./Hum.</b>	<b>Machinery</b>
How many times?						
Machine or animal? (Yes = 1, No = 0)						
No. of units used each time						
How many rented?						
Days taken to complete once						
Hours of work per day						
Expense on animal/machine power						
<b>Person(s) needed (separate):</b>						
Male						
Female						
<b>Of which hired labor :</b>						
Male						
Female						
<b>Wage in cash:</b>						
Male						
Female						

<sup>9</sup> Options: 1 = Dealer or trader; 2 = RSK; 3 = Karnataka Beej Nigam; 4 = NGO; 5 = other.

<sup>10</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<sup>11</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<b>Wage in kind <sup>11</sup>:</b> Male						
Female						
<b>Interculture:</b>	<b>Ani./Hum.</b>	<b>Machinery</b>	<b>Ani./Hum.</b>	<b>Machinery</b>	<b>Ani./Hum.</b>	<b>Machinery</b>
How many times?						
Machine or animal? (Yes = 1, No = 0)						
No. of units used each time						
How many rented?						
Days taken to complete once						
Hours of work per day						
Expense on animal/machine power						
<b>Person(s) needed (separate):</b>						
Male						
Female						
<b>Of which hired labor :</b>						
Male						
Female						
<b>Wage in cash:</b>						
Male						
Female						
<b>Wage in kind <sup>11</sup>:</b>						
Male						
Female						
<b>Weeding:</b>						
How many times?						
Days taken to complete once						
Hours of work per day						
<b>Person(s) needed:</b>						
Male						
Female						
<b>Of which hired labor:</b>						
Male						
Female						
<b>Wage in cash:</b>						
Male						
Female						
<b>Wage in kind <sup>11</sup>:</b>						
Male						
Female						

### 2.11.B Fertilizer application & irrigation

<b>Main crop name:</b>	<b>1.</b>	<b>2.</b>	<b>3.</b>
Type(s) of manure used <sup>12</sup>			
How many times manure applied?			
Quantity of manure from own farm [Unit: cart-load / tractor-load]			
Quantity of purchased manure [Unit: same]			
Price of purchased manure (Rs.)			

<sup>12</sup> Options: 1 = Farmyard manure; 2 = Vermicompost

<b>Labor use in manure application:</b> Days taken to complete once Hours of work per day <b>Person(s) needed:</b> Male Female <b>Of which hired labor:</b> Male Female <b>Wage paid in cash:</b> Male Female <b>Wage paid in kind <sup>13</sup>:</b> Male Female								
	Name/ types(s) of fertilizer used	1)		1)		1)		
		2)		2)		2)		
	Quantity of fertilizer used:	1)	2)	1)	2)	1)	2)	
		Bag size (kg)						
	No. of bags							
	Price of fertilizer (Rs.)							
	<b>Labor use in fertilizer application:</b> How many times? Days taken to complete once Hours of work per day <b>Person(s) needed:</b> Male Female <b>Of which hired labor:</b> Male Female <b>Wage paid in cash:</b> Male Female <b>Wage paid in kind <sup>13</sup>:</b> Male Female							
		Name(s) of micro-nutrient used	1)		1)		1)	
			2)		2)		2)	
		Quantity of micro-nutrient used:	1)	2)	1)	2)	1)	2)
Bag size (kg)								
No. of bags								
Price of micro-nutrient (Rs.)								

<sup>13</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<b>Labor use in nutrients application:</b> How many times? Days taken to complete once Hours of work per day <b>Person(s) needed:</b> Male Female <b>Of which hired labor:</b> Male Female <b>Wage paid in cash:</b> Male Female <b>Wage paid in kind <sup>14</sup>:</b> Male Female			
Is the land irrigated? ( <i>Yes = 1, No = 0</i> )			
<b>Labor use in irrigation:</b> Source (borewell, canal etc.) How many times? Days taken to complete once Hours of work per day <b>Person(s) needed:</b> Male Female <b>Of which hired labor:</b> Male Female <b>Wage paid in cash:</b> Male Female <b>Wage paid in kind:</b> Male Female			

### 2.11.C Plant protection

Main crop name:	1.		2.		3.	
Name(s) of the insecticide used	1)		1)		1)	
	2)		2)		2)	
Quantity of insecticide used: Bag/bottle size	1)	2)	1)	2)	1)	2)
No. of bags/bottle						
Price of insecticide (Rs.)						

<sup>14</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<b>Labor use in insecticide application:</b> How many times? Days taken to complete once Hours of work per day <b>Person(s) needed:</b> Male Female <b>Of which hired labor:</b> Male Female <b>Wage paid in cash:</b> Male Female <b>Wage paid in kind <sup>15</sup>:</b> Male Female					
	Name(s) of the herbicide used	1) 2)	1) 2)	1) 2)	1) 2)
Quantity of herbicide used: Bag/bottle size	1)	2)	1)	2)	1) 2)
No. of bags/bottle					
Price of herbicide (Rs.)					
<b>Labor use in herbicide application:</b> How many times? Days taken to complete once Hours of work per day <b>Person(s) needed each time:</b> Male Female <b>Of which hired labor:</b> Male Female <b>Wage paid in cash:</b> Male Female <b>Wage paid in kind <sup>16</sup>:</b> Male Female					

#### 2.11.D Harvesting

Main crop name:	1.	2.	3.
Harvested quantity of 'main' crop:			
Bag size			
No. of bags full			

<sup>15</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<b>'main' crop cutting:</b>	Labor	Machine	Labor	Machine	Labor	Machine
	How many times?					
Days taken to complete once						
Hours of work per day						
Machine or labor? (Yes = 1, No = 0)						
How many rented machine?						
Expense on machine power (Rs.)						
<b>Person(s) needed (separate):</b>						
Male						
Female						
<b>Of which hired labor:</b>						
Male						
Female						
<b>Wage in cash:</b>						
Male						
Female						
<b>Wage in kind <sup>16</sup>:</b>						
Male						
Female						
<b>Harvested quantity of 'mixed' crop:</b>						
Bag size						
No. of bags full						
<b>'mixed' crop cutting:</b>						
Is it done separately from 'main' crop? (Yes = 1, No = 0)						
	Labor	Machine	Labor	Machine	Labor	Machine
How many times?						
Days taken to complete once						
Hours of work per day						
Machine or labor? (Yes = 1, No = 0)						
How many rented machine?						
Expense on machine power (Rs.)						
<b>Person(s) needed:</b>						
Male						
Female						
<b>Of which hired labor:</b>						
Male						
Female						
<b>Wage in cash:</b>						
Male						
Female						
<b>Wage in kind <sup>17</sup>:</b>						
Male						
Female						
<b>Transportation cost till yard (Rs.)</b>						

<sup>16</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<sup>17</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<b>Threshing &amp; winnowing:</b>	Labor	Machine	Labor	Machine	Labor	Machine
How many times?						
Days taken to complete once						
Hours of work per day						
Machine or labor? (Yes = 1, No = 0)						
How many rented machine?						
Expense on machine power (Rs.)						
<b>Person(s) needed:</b>						
Male						
Female						
<b>Of which hired labor:</b>						
Male						
Female						
<b>Wage in cash:</b>						
Male						
Female						
<b>Wage in kind <sup>18</sup>:</b>						
Male						
Female						
Any by-product? If YES, name it.						
Quantity of by-product produced						
Home consumption of produce:						
Main crop (mention unit)						
Mixed crop (mention unit)						
By-product (mention unit)						

2.12 Now, provide details on revenues earned from your crops and their byproducts (if any) grown in **Kharif 2012** season. [*INTERVIEWER, mention unit of sales.*]

<b>Main crop name:</b>	1.	2.	3.
Where did you sell the main crop? To whom <sup>19</sup> ?			
Quantity sold			
Received price (Rs.)			
Quantity of 'mixed' crop sold			
Received price (Rs.)			
Transportation cost to reach the market (Rs.)			
Market commission, fee etc. (Rs.)			
Quantity of by-product sold			
Value of by-products sold (Rs.)			

2.13 Some questions on your experience regarding crop conditions during **Kharif 2012** season. *Please select (✓) the correct answer for the following questions.*

How was the rainfall?	[1] Normal [2] Below normal [3] Above normal
Did it rain during harvest?	[0] No [1] Yes
Did crops suffer loss from pest attack or any disease?	[0] No [1] Yes
If crops did suffer from pests and diseases, name crop-	

<sup>18</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<sup>19</sup> Options: 1 = private merchant inside village; 2 = private merchant outside village; 3 = market organized by the government (APMC); 4 = company; 5 = other.

specific pests and diseases. <i>Crop 1:</i> <i>Crop 2:</i> <i>Crop 3:</i>	1) 1) 1)	2) 2) 2)
Did crops suffer from weed problem?	[0] No	[1] Yes
Any other problem? (specify)	[0] No	[1] Yes
Do you think that abnormal rainfall and/or other problems mentioned above have resulted into lower crop production? If so, provide estimate of damage in crop production (with unit). The benchmark is the yield what farmer expects.	<i>Crop 1:</i>  <i>Crop 2:</i>  <i>Crop 3:</i>	<i>Loss:</i>  <i>Loss:</i>  <i>Loss:</i>

**~ RABI 2012/13 ~**

2.14 If you have grown any of the focus crops (see note 6) in **Rabi 2012-13** season, please provide following information.

**2.14.A Land preparation to interculture**

Main crop name:	1.		2.		3.	
	Animal	Machinery	Animal	Machinery	Animal	Machinery
<b>Plowing:</b>						
How many times?						
Machine or animal? (Yes = 1, No = 0)						
No. of units used each time						
How many rented?						
Days taken to complete once						
Hours of work per day						
Person(s) needed						
Of which hired labor						
Rental paid in cash (Rs.)						
Rental paid in kind <sup>20</sup>						
Expense on diesel (Rs.) if farmer used own tractor						
<b>Harrowing:</b>						
How many times?						
Machine or animal? (Yes = 1, No = 0)						
No. of units used each time						
How many rented?						
Days taken to complete once						
Hours of work per day						
Person(s) needed						
Of which hired labor						
Rental paid in cash (Rs.)						
Rental paid in kind <sup>21</sup>						
Expense on diesel (Rs.) if farmer used own tractor						

<sup>20</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<sup>21</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<b>Sowing/ Planting:</b>						
Time of sowing (month, week)						
Quantity of homegrown seeds (kg)						
Source of purchased or gifted seeds <sup>22</sup>						
Quantity of purchased or gift seeds:						
Bag size (kg)						
No. of bags						
Price of purchased seeds (Rs.)						
Expense on seedlings (Rs.)						
Sowing continued ...	Animal	Machinery	Animal	Machinery	Animal	Machinery
How many times?						
Machine or animal? (Yes = 1, No = 0)						
No. of units used each time						
How many rented?						
Days taken to complete once						
Hours of work per day						
Expense on animal/machine power						
<b>Person(s) needed (separate):</b>						
Male						
Female						
<b>Of which hired labor:</b>						
Male						
Female						
<b>Wage in cash:</b>						
Male						
Female						
<b>Wage in kind <sup>23</sup>:</b>						
Male						
Female						
<b>Transplanting:</b>	Ani./Hum.	Machinery	Ani./Hum.	Machinery	Ani./Hum.	Machinery
How many times?						
Machine or animal? (Yes = 1, No = 0)						
No. of units used each time						
How many rented?						
Days taken to complete once						
Hours of work per day						
Expense on animal/machine power						
<b>Person(s) needed (separate):</b>						
Male						
Female						
<b>Of which hired labor :</b>						
Male						
Female						
<b>Wage in cash:</b>						
Male						
Female						

<sup>22</sup> Options: 1 = Dealer or trader; 2 = RSK; 3 = Karnataka Beej Nigam; 4 = NGO; 5 = other.

<sup>23</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<sup>24</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<b>Wage in kind <sup>24</sup>:</b>						
Male						
Female						
<b>Interculture:</b>	Animal	Machinery	Animal	Machinery	Animal	Machinery
How many times?						
Machine or animal? (Yes = 1, No = 0)						
No. of units used each time						
How many rented?						
Days taken to complete once						
Hours of work per day						
Expense on animal/machine power						
<b>Person(s) needed (separate):</b>						
Male						
Female						
<b>Of which hired labor:</b>						
Male						
Female						
<b>Wage in cash:</b>						
Male						
Female						
<b>Wage in kind <sup>24</sup>:</b>						
Male						
Female						
<b>Weeding:</b>						
How many times?						
Days taken to complete once						
Hours of work per day						
<b>Person(s) needed:</b>						
Male						
Female						
<b>Of which hired labor:</b>						
Male						
Female						
<b>Wage in cash:</b>						
Male						
Female						
<b>Wage in kind <sup>24</sup>:</b>						
Male						
Female						

### 2.14.B Fertilizer application & irrigation

Main crop name:	1.	2.	3.
Type(s) of manure used <sup>25</sup>			
How many times manure applied?			
Quantity of manure from own farm [Unit: cart-load / tractor-load]			
Quantity of purchased manure [Unit: cart-load / tractor-load]			
Price of purchased manure (Rs.)			
<b>Labor use in manure application:</b>			
Days taken to complete once			
Hours of work per day			
<b>Person(s) needed:</b>			
Male			
Female			
<b>Of which hired labor:</b>			
Male			
Female			
<b>Wage paid in cash:</b>			
Male			
Female			
<b>Wage paid in kind <sup>26</sup>:</b>			
Male			
Female			
Name/ types(s) of fertilizer used	1) 2)	1) 2)	1) 2)
Quantity of fertilizer used: Bag size (kg)	1)    2)	1)    2)	1)    2)
Price of fertilizer (Rs.)			
<b>Labor use in fertilizer application:</b>			
How many times?			
Days taken to complete once			
Hours of work per day			
<b>Person(s) needed:</b>			
Male			
Female			
<b>Of which hired labor:</b>			
Male			
Female			
<b>Wage paid in cash:</b>			
Male			
Female			

<sup>25</sup> Options: 1 = Farmyard manure; 2 = Vermicompost

<sup>26</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<b>Wage paid in kind <sup>27</sup>:</b> Male Female					
Name(s) of micro-nutrient used	1) 2)		1) 2)		1) 2)
Quantity of micro-nutrient used: Bag size (kg)	1)	2)	1)	2)	1) 2)
No. of bags					
Price of micro-nutrient (Rs.)					
<b>Labor use in nutrients application:</b>					
How many times?					
Days taken to complete once					
Hours of work per day					
<b>Person(s) needed:</b>					
Male					
Female					
<b>Of which hired labor:</b>					
Male					
Female					
<b>Wage paid in cash:</b>					
Male					
Female					
<b>Wage paid in kind <sup>27</sup>:</b>					
Male					
Female					
Is the land irrigated? ( <i>Yes = 1, No = 0</i> )					
<b>Labor use in irrigation:</b>					
Source (borewell, canal etc.)					
How many times?					
Days taken to complete once					
Hours of work per day					
<b>Person(s) needed:</b>					
Male					
Female					
<b>Of which hired labor:</b>					
Male					
Female					
<b>Wage paid in cash:</b>					
Male					
Female					
<b>Wage paid in kind <sup>27</sup>:</b>					
Male					
Female					

<sup>27</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

### 2.14.C Plant protection

Main crop name:	1.		2.		3.	
Name(s) of the insecticide used	1) 2)		1) 2)		1) 2)	
Quantity of insecticide used:	1)	2)	1)	2)	1)	2)
Bag/bottle size						
No. of bags/bottle						
Price of insecticide (Rs.)						
Labor use in insecticide application:						
How many times?						
Days taken to complete once						
Hours of work per day						
<b>Person(s) needed:</b>						
Male						
Female						
<b>Of which hired labor:</b>						
Male						
Female						
<b>Wage paid in cash:</b>						
Male						
Female						
<b>Wage paid in kind <sup>28</sup>:</b>						
Male						
Female						
Name(s) of the herbicide used	1) 2)		1) 2)		1) 2)	
Quantity of herbicide used:	1)	2)	1)	2)	1)	2)
Bag/bottle size						
No. of bags/bottle						
Price of herbicide (Rs.)						
Labor use in herbicide application:						
How many times?						
Days taken to complete once						
Hours of work per day						
<b>Person(s) needed each time:</b>						
Male						
Female						
<b>Of which hired labor:</b>						
Male						
Female						
<b>Wage paid in cash:</b>						
Male						
Female						

<sup>28</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<b>Wage paid in kind <sup>29</sup>:</b> Male			
	Female		

#### 2.14.D Harvesting

Main crop name:	1.		2.		3.	
Harvested quantity of 'main' crop: Bag size No. of bags full						
<b>'main' crop cutting:</b>	Labor	Machine	Labor	Machine	Labor	Machine
How many times?						
Days taken to complete once						
Hours of work per day						
Machine or labor? (Yes = 1, No = 0)						
How many rented machine?						
Expense on machine power (Rs.)						
<b>Person(s) needed (separate):</b>						
Male						
Female						
<b>Of which hired labor:</b>						
Male						
Female						
<b>Wage in cash:</b>						
Male						
Female						
<b>Wage in kind <sup>29</sup>:</b>						
Male						
Female						
Harvested quantity of 'mixed' crop: Bag size No. of bags full						
<b>'mixed' crop cutting:</b>						
Is it done separately from 'main' crop? (Yes = 1, No = 0)						
	Labor	Machine	Labor	Machine	Labor	Machine
How many times?						
Days taken to complete once						
Hours of work per day						
Machine or labor? (Yes = 1, No = 0)						
How many rented machine?						
Expense on machine power (Rs.)						
<b>Person(s) needed:</b>						
Male						
Female						
<b>Of which hired labor:</b>						
Male						
Female						

<sup>29</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<sup>30</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<b>Wage in cash:</b>						
Male						
Female						
<b>Wage in kind <sup>30</sup>:</b>						
Male						
Female						
<b>Transportation cost till yard (Rs.)</b>						
<b>Threshing &amp; winnowing:</b>	Labor	Machine	Labor	Machine	Labor	Machine
How many times?						
Days taken to complete once						
Hours of work per day						
Machine or labor? (Yes = 1, No = 0)						
How many rented machine?						
Expense on machine power (Rs.)						
<b>Person(s) needed:</b>						
Male						
Female						
<b>Of which hired labor:</b>						
Male						
Female						
<b>Wage in cash:</b>						
Male						
Female						
<b>Wage in kind <sup>31</sup>:</b>						
Male						
Female						
Any by-product? If YES, name it.						
Quantity of by-product produced						
Home consumption of produce:						
Main crop (mention unit)						
Mixed crop (mention unit)						
By-product (mention unit)						

2.15 Now, provide details on revenues earned from your crops and their byproducts (if any) grown in **Rabi 2012-13** season. [*INTERVIEWER, mention unit of sales.*]

	1.	2.	3.
Where did you sell 'main' crop? To whom <sup>32</sup> ?			
Quantity sold			
Received price (Rs.)			
Quantity of 'mixed' crop sold			
Received price (Rs.)			
Transportation cost to reach the market (Rs.)			
Market commission, fee etc. (Rs.)			

<sup>31</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<sup>32</sup> Options: 1 = private merchant inside village; 2 = private merchant outside village; 3 = market organized by the government (APMC); 4 = company; 5 = other.

Quantity of by-product sold			
Value of by-products sold (Rs.)			

2.16 Some questions on your experience regarding crop conditions during **Rabi 2012-13** season. *Please select (✓) the correct answer for the following questions.*

How was the rainfall?	[1] Normal [2] Below normal [3] Above normal	
Did it rain during harvest?	[0] No	[1] Yes
Did crops suffer loss from pest attack or any disease?	[0] No	[1] Yes
If crops did suffer from pests and diseases, name crop-specific pests and diseases. <i>Crop 1:</i> <i>Crop 2:</i> <i>Crop 3:</i>	1) 1) 1)	2) 2) 2)
Did crops suffer from weed problem?	[0] No	[1] Yes
Any other problem? (specify)	[0] No	[1] Yes
Do you think that abnormal rainfall and/or other problems mentioned above have resulted into lower crop production? If so, provide estimate of damage in crop production (with unit). The benchmark is the yield what farmer expects.	<i>Crop 1:</i> <i>Crop 2:</i> <i>Crop 3:</i>	<i>Loss:</i> <i>Loss:</i> <i>Loss:</i>

**~ SUMMER 2013 ~**

2.17 If you have grown any of the focus crops in **Summer 2013** season, please provide following information.

**2.17.A Land preparation to interculture**

Main crop name:	1.		2.		3.	
	Animal	Machinery	Animal	Machinery	Animal	Machinery
<b>Plowing:</b>						
How many times?						
Machine or animal? (Yes = 1, No = 0)						
No. of units used each time						
How many rented?						
Days taken to complete once						
Hours of work per day						
Person(s) needed						
Of which hired labor						
Rental paid in cash (Rs.)						
Rental paid in kind <sup>33</sup>						
Expense on diesel (Rs.) if farmer used own tractor						

<sup>33</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<b>Harrowing:</b> How many times? Machine or animal? (Yes = 1, No = 0) No. of units used each time How many rented? Days taken to complete once Hours of work per day Person(s) needed Of which hired labor Rental paid in cash (Rs.) Rental paid in kind <sup>34</sup> Expense on diesel (Rs.) if farmer used own tractor	Animal	Machinery	Animal	Machinery	Animal	Machinery
<b>Sowing/ Planting:</b> Time of sowing (month, week) Quantity of homegrown seeds (kg) Source of purchased or gifted seeds <sup>35</sup> Quantity of purchased or gift seeds: Bag size (kg) No. of bags Price of purchased seeds (Rs.) Expense on seedlings (Rs.)  Sowing continued ... How many times? Machine or animal? (Yes = 1, No = 0) No. of units used each time How many rented? Days taken to complete once Hours of work per day Expense on animal/machine power <b>Person(s) needed (separate):</b> Male Female <b>Of which hired labor:</b> Male Female <b>Wage in cash:</b> Male Female <b>Wage in kind <sup>36</sup>:</b> Male Female						

<sup>34</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<sup>35</sup> Options: 1 = Dealer or trader; 2 = RSK; 3 = Karnataka Beej Nigam; 4 = NGO; 5 = other.

<sup>36</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<b>Transplanting:</b> How many times? Machine or animal? (Yes = 1, No = 0) No. of units used each time How many rented? Days taken to complete once Hours of work per day Expense on animal/machine power <b>Person(s) needed (separate):</b> Male Female <b>Of which hired labor :</b> Male Female <b>Wage in cash:</b> Male Female <b>Wage in kind<sup>37</sup>:</b> Male Female	Ani./Hum.	Machinery	Ani./Hum.	Machinery	Ani./Hum.	Machinery
<b>Interculture:</b> How many times? Machine or animal? (Yes = 1, No = 0) No. of units used each time How many rented? Days taken to complete once Hours of work per day Expense on animal/machine power <b>Person(s) needed (separate):</b> Male Female <b>Of which hired labor:</b> Male Female <b>Wage in cash:</b> Male Female <b>Wage in kind<sup>37</sup>:</b> Male Female	Animal	Machinery	Animal	Machinery	Animal	Machinery
<b>Weeding:</b> How many times? Days taken to complete once Hours of work per day <b>Person(s) needed:</b> Male Female <b>Of which hired labor:</b> Male Female						

<sup>37</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<b>Wage in cash:</b>			
Male			
Female			
<b>Wage in kind <sup>38</sup>:</b>			
Male			
Female			

### 2.17.B Fertilizer application & irrigation

<b>Main crop name:</b>	<b>1.</b>	<b>2.</b>	<b>3.</b>
Type(s) of manure used <sup>38</sup>			
How many times manure applied?			
Quantity of manure from own farm [Unit: cart-load / tractor-load]			
Quantity of purchased manure [Unit: cart-load / tractor-load]			
Price of purchased manure (Rs.)			
<b>Labor use in manure application:</b>			
Days taken to complete once			
Hours of work per day			
<b>Person(s) needed:</b>			
Male			
Female			
<b>Of which hired labor:</b>			
Male			
Female			
<b>Wage paid in cash:</b>			
Male			
Female			
<b>Wage paid in kind <sup>39</sup>:</b>			
Male			
Female			
Name/ types(s) of fertilizer used	1) 2)	1) 2)	1) 2)
Quantity of fertilizer used:	1)	2)	1)
Bag size (kg)			
No. of bags			
Price of fertilizer (Rs.)			
<b>Labor use in fertilizer application:</b>			
How many times?			
Days taken to complete once			
Hours of work per day			
<b>Person(s) needed:</b>			
Male			
Female			

<sup>38</sup> Options: 1 = Farmyard manure; 2 = Vermicompost

<sup>39</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<b>Of which hired labor:</b> Male Female <b>Wage paid in cash:</b> Male Female <b>Wage paid in kind <sup>39</sup>:</b> Male Female						
Name(s) of micro-nutrient used	1)	1)	1)	1)		
	2)	2)	2)	2)		
Quantity of micro-nutrient used: Bag size (kg) No. of bags	1)	2)	1)	2)	1)	2)
Price of micro-nutrient (Rs.)						
<b>Labor use in nutrients application:</b> How many times? Days taken to complete once Hours of work per day <b>Person(s) needed:</b> Male Female <b>Of which hired labor:</b> Male Female <b>Wage paid in cash:</b> Male Female <b>Wage paid in kind <sup>40</sup>:</b> Male Female						
	Is the land irrigated? (Yes = 1, No = 0)					
<b>Labor use in irrigation:</b> Source (borewell, canal etc.) How many times? Days taken to complete once Hours of work per day <b>Person(s) needed:</b> Male Female <b>Of which hired labor:</b> Male Female <b>Wage paid in cash:</b> Male Female <b>Wage paid in kind <sup>40</sup>:</b> Male Female						

<sup>40</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

### 2.17.C Plant protection

Main crop name:	1.		2.		3.	
Name(s) of the insecticide used	1) 2)		1) 2)		1) 2)	
Quantity of insecticide used:	1)	2)	1)	2)	1)	2)
Bag/bottle size						
No. of bags/bottle						
Price of insecticide (Rs.)						
<b>Labor use in insecticide application:</b>						
How many times?						
Days taken to complete once						
Hours of work per day						
<b>Person(s) needed:</b>						
Male						
Female						
<b>Of which hired labor:</b>						
Male						
Female						
<b>Wage paid in cash:</b>						
Male						
Female						
<b>Wage paid in kind <sup>41</sup>:</b>						
Male						
Female						
Name(s) of the herbicide used	1) 2)		1) 2)		1) 2)	
Quantity of herbicide used:	1)	2)	1)	2)	1)	2)
Bag/bottle size						
No. of bags/bottle						
Price of herbicide (Rs.)						
<b>Labor use in herbicide application:</b>						
How many times?						
Days taken to complete once						
Hours of work per day						
<b>Person(s) needed each time:</b>						
Male						
Female						
<b>Of which hired labor:</b>						
Male						
Female						
<b>Wage paid in cash:</b>						
Male						
Female						
<b>Wage paid in kind <sup>41</sup>:</b>						
Male						
Female						

<sup>41</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

### 2.17.D Harvesting

Main crop name:	1.		2.		3.	
Harvested quantity of 'main' crop: Bag size No. of bags full						
<b>'main' crop cutting:</b>  How many times? Days taken to complete once Hours of work per day Machine or labor? (Yes = 1, No = 0) How many rented machine? Expense on machine power (Rs.) <b>Person(s) needed (separate):</b> Male Female <b>Of which hired labor:</b> Male Female <b>Wage in cash:</b> Male Female <b>Wage in kind <sup>42</sup>:</b> Male Female	Labor	Machine	Labor	Machine	Labor	Machine
Harvested quantity of 'mixed' crop: Bag size No. of bags full						
<b>'mixed' crop cutting:</b> Is it done separately from 'main' crop? (Yes = 1, No = 0)  How many times? Days taken to complete once Machine or labor? (Yes = 1, No = 0) How many rented machine? Expense on machine power (Rs.) <b>Person(s) needed:</b> Male Female <b>Of which hired labor:</b> Male Female <b>Wage in cash:</b> Male Female <b>Wage in kind <sup>43</sup>:</b> Male Female	Labor	Machine	Labor	Machine	Labor	Machine

<sup>42</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<sup>43</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

Transportation cost till yard (Rs.)						
Threshing & winnowing:	Labor	Machine	Labor	Machine	Labor	Machine
How many times?						
Days taken to complete once						
Hours of work per day						
Machine or labor? (Yes = 1, No = 0)						
How many rented machine?						
Expense on machine power (Rs.)						
<b>Person(s) needed:</b>						
Male						
Female						
<b>Of which hired labor:</b>						
Male						
Female						
<b>Wage in cash:</b>						
Male						
Female						
<b>Wage in kind <sup>44</sup>:</b>						
Male						
Female						
Any by-product? If YES, name it.						
Quantity of by-product produced						
Home consumption of produce:						
Main crop (mention unit)						
Mixed crop (mention unit)						
By-product (mention unit)						

2.18 Now, provide details on revenues earned from your crops and their byproducts (if any) grown in **Summer 2013** season. [*INTERVIEWER, mention unit of sales.*]

	1.	2.	3.
Where did you sell the main crop? To whom <sup>45</sup> ?			
Quantity sold			
Received price (Rs.)			
Quantity of 'mixed' crop sold			
Received price (Rs.)			
Transportation cost to reach the market (Rs.)			
Market commission, fee etc. (Rs.)			
Quantity of by-product sold			
Value of by-products sold (Rs.)			

<sup>44</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<sup>45</sup> Options: 1 = private merchant inside village; 2 = private merchant outside village; 3 = market organized by the government (APMC); 4 = company; 5 = other.

2.19 Some questions on your experience regarding crop conditions during **Summer 2013** season. *Please select (✓) the correct answer for the following questions.*

How was the rainfall?	[1] Normal [2] Below normal [3] Above normal
Did it rain during harvest?	[0] No [1] Yes
Did crops suffer loss from pest attack or any disease?	[0] No [1] Yes
If crops did suffer from pests and diseases, name crop-specific pests and diseases. <i>Crop 1:</i> <i>Crop 2:</i> <i>Crop 3:</i>	1) 2) 1) 2) 1) 2)
Did crops suffer from weed problem?	[0] No [1] Yes
Any other problem? (specify)	[0] No [1] Yes
Do you think that abnormal rainfall and/or other problems mentioned above have resulted into lower crop production? If so, provide estimate of damage in crop production (with unit). The benchmark is the yield what farmer expects.	<i>Crop 1:</i> Loss: <i>Crop 2:</i> Loss: <i>Crop 3:</i> Loss:

### **Plantation Crops**

2.20 If you had fruit trees plantation in 2012, please provide the following details. [**INTERVIEWER**, please record the unit of plantation crop volume while recording the data.]

Plant name:	1.	2.	3.	4.
Planted area (acre & gunta)				
Mixed stand? ( <i>Yes = 1, No = 0</i> )				
No. of trees				
No. of fruit bearing tress				
Production (state unit)				
Of which sold				
Sold to whom/ where (see note 45)?				
Unit price received (Rs.)				
Transportation cost incurred to take the produce to market (Rs.)				
Commission, fee etc. (Rs.)				
Name(s) of byproduct				
Value of byproduct (Rs.)				

### Livestock

2.21 Please provide information on your livestock holding during 2012 & 2013.

Animal	No. in June 2012	No. in June 2013	Animal	No. in June 2012	No. in June 2013
Cow			Goat		
Buffalo			Chicken		
Calf			Sheep		
Bullock			Other:		

2.22 Collect data on annual operating expenses (excluding labor) for dairy and other livestock animals

Feed purchased (LAST MONTH):	
No. of bags	
Size of each bag	
Price of each bag (LAST MONTH)	
Fodder purchase (LAST MONTH) (Rs.)	
Type of fodder (home-grown): <i>Select (√)</i>	[1] Perennial      [2] Annual
Name of fodder crop & area under cultivation	
Veterinary expenses for MAY' 12 – JUNE' 13 (Rs.):	
Artificial insemination	
Vaccination	
De-worming	
Medicine & doctor fee	
Other (specify):	

2.23 Labor utilization and charges for dairy farming ...

Particulars	Family labor		Hired labor	
	Male	Female	Male	Female
Number engaged				
Number of days worked				
Average number of hours worked per day				
Wage for tending animals, milking, etc. (Rs./day)				
Estimated value of payment in kind (Rs./day)				

2.24 Collect data on milk production. [*INTERVIEWER, mention the unit of milk volume and collect information on animals in milk. Write 0 if the response is 'No' to a question, 1 if 'Yes'*]

	# 1	# 2	# 3	# 4	# 5	# 6
Animal type (Cow/Buffalo)						
Breed <sup>46</sup>						
Age						
No. of births given (till date)						
When did it give birth last time?						
Current week's milk yield per day						

<sup>46</sup> Options: 1 = local; 2 = pure-breed HF; 3 = Jersey; 4 = cross-breed

2.25 Utilization of dairy production ...

How much of total milk production in last week is consumed at home?	
Where did you sell milk?	
Quantity of milk sold (Last week)	
Price received (Rs.) (Last week)	
Any byproduct(s) sold? Name them. Value of sales (Rs) (Last week)	

2.26 Some questions on your experience regarding dairy farming conditions during **June 2012 – May 2013**. Please select (✓) the correct answer for the following questions.

Do you think summer in 2013 had normal temperature?	[0] No	[1] Yes
If it was NOT a normal summer, was average temperature HIGH or LOW compared to the normal? Please select (✓)	[1] High	[2] Low
Did you get enough feed and fodder for cows (June'12 – May'13)?	[0] No	[1] Yes
Did cattle suffer from any disease?	[0] No	[1] Yes
If dairy cattle did suffer from diseases, name them.	1)	
	2)	
Any other problem? (specify)	[0] No	[1] Yes
Do you think that high temperature and/or other problems mentioned above have resulted into lower milk production compared to normal yield? If so, provide an estimate of percentage damage in total production. Select (✓)	[1] < 10%	[2] 10–25%
	[3] 25–50%	[4] > 50%

2.27 Now, provide data on revenue earned from other animals during **June 2012 – May 2013**.

Items	Unit	Total production	Quantity sold	Sale value (Rs.)
Meat				
Eggs				
Other:				

2.28 Provide data on livestock transactions in last 3 seasons.

	Kharif 2012	Rabi 2012-13	Summer 2013
Animal <sup>47</sup> purchased			
No. of units			
Breed <sup>48</sup>			
Purchase price (per unit)			
Animal <sup>47</sup> sold			
No. of units			
Sale price (per unit)			
Breed <sup>48</sup>			
Reason for sale <sup>49</sup>			

<sup>47</sup> Options: 1 = cow; 2 = buffalo; 3 = goat; 4 = chicken; 5 = other (please specify in the box).

<sup>48</sup> Options: 1 = local; 2 = pure or outside; 3 = mixed.

2.28 Tell us about your future plans about agriculture (e.g. the farmer would like to grow a new crop, start sericulture/fishery, purchase of animal).

Activities planned	Information or other requirements
1.	1.
2.	2.

### **Section 3: Information & Social Network**

3.1 Now, some questions on information flow from existing institutions to farmer community.

On which crops did you receive information and/or advisory service (on best farming practices) during <b>Kharif 2012, Rabi 2012-13, or Summer 2013</b> seasons? [ <i>Please write name and the source of information</i> <sup>50</sup> for each crop.]	Crop	Source
	i.	
	ii.	
	iii.	
	iv.	
How many visits did you make to RSK or KVK in <b>Kharif 2012, Rabi 2012-13, or Summer 2013</b> seasons?		
What were the reasons for visiting RSK/ KVK? [ <i>Please select the options that are true (✓). In case you choose 3, please specify it.</i> ]	[1] To collect seed & fertilizer [2] To obtain information on agricultural practices & training [3] Other:	
Did you get educational pamphlets on latest technology, management practices or pest control from RSK/ KVK?	[0] No [1] Yes	
Did you participate in any farmer training in <b>Kharif 2012, Rabi 2012-13, or Summer 2013</b> seasons?	[0] No [1] Yes	
<b>If Yes</b> , when, where, for how long and on what aspects of farming?	Year & Place:  Organization:  Subject:  Duration:	
<b>If you attended training sessions</b> , did you find it beneficial? If YES, mention the type of benefit (It could be enhanced crop yield or, reduced average cost).	[0] No [1] Yes	
<b>If you did not attend</b> , for what reason(s)? <i>Please select (✓) the appropriate option. In case you choose 3, please specify it.</i>	[1] Unaware of such programs [2] Does not address your need [3] Other:	

<sup>49</sup> Options: 1 = drought; 2 = health issues; 3 = difficulty to manage; 4 = family needs (marriage etc.); 5 = other.

<sup>50</sup> Options: 1 = Input dealer or traders; 2 = RSK; 3 = KVK; 4 = NGO; 5 = Media (i.e. Radio/ T.V./ Newspaper); 6 = Marketing board SMS service; 7 = Farm magazines like Annadata, Krishimunnade, Krishimitra or Sirisamrudhhi; 8 = Farmers within your village; 9 = Farmers outside your village; 10 = Kissan Call Center; 11 = Veterinary hospital; 12 = Co-operative society; 13 = Other.

How frequently have your farm been visited by an agricultural extension officer (from RSK/KVK/University) in <b>Kharif 2012, Rabi 2012-13, or Summer 2013</b> ?	[1] Never [2] At least once in a season [3] At least once in a year
How many times a specialist/scientist did visit your village to share information and give demonstration in <b>Kharif 2012, Rabi 2012-13, or Summer 2013</b> ?	
Did you receive information about the forecasted date of onset of the rainy season? If Yes, <i>please write the source(s) of information (See note 50)</i> .	[0] No [1] Yes
Did you receive information about the forecasted amount of rain from this source before the planting season?	[0] No [1] Yes

3.2 Now consider **the most important crop** <sup>51</sup> you grow (the crop which had largest acreage). Tell us about your opinion about status and role of available information and/or advisory services on (i) best management practices at various stages of production and (ii) marketing of the produce. Put 1 for “YES” and 0 for “NO” as the response to the questions appearing in the columns.

Season: \_\_\_\_\_ ; Crop: \_\_\_\_\_

Information on:	Available?	Source (ref. note 50)	Available when required?	Is it adequate?	Did you follow?	Are you satisfied?
Land preparation						
Micronutrient needs						
Planting & transplanting						
Weeding						
Irrigation						
Fertilizer application						
Insecticide application						
Harvesting						
Storage						
Value addition						
Where to sell?						
Market price						

3.3 Do RSK and KVK meet your requirements of information/ advisory services for your crops? Indicate your level of satisfaction with their services. *Please select the correct option (√):*

[1] Not satisfied	[2] Somewhat satisfied
[3] Highly satisfied	[4] Can't say
[5] Not applicable (if farmer doesn't visit)	

<sup>51</sup> Our focus crops: Ragi, Paddy, Redgram, Cotton, Sunflower, Bengal gram.

3.4 [**INTERVIEWER**, ask this question *ONLY IF* the household has dairy operation.] Tell us about your opinion about status and role of available information and/or advisory services on best management practices at various stages of dairy production. [Write 1 for YES and 0 for NO as the response to the questions appearing in the columns.]

Information on:	Available?	Source (ref. note 50)	Available when required?	Is it adequate?	Did you follow?	Are you satisfied?
Feed & nutrition						
Vaccination						
Disease control						
Heat stress						
Breeding						

3.5 We want to know how you feel about the current productivity of your farm.

Do you think that you are getting maximum or best possible yield for your crops as per your perception ( <b>In the absence of problems like flood or drought</b> )?	[0] No [1] Yes
<b>If No</b> , then in your opinion what information and/or service could help you to improve crop yield? [ <b>INTERVIEWER</b> , ask the farmer to rank order (1 <sup>st</sup> & 2 <sup>nd</sup> ) his requirements.]	1 <sup>st</sup> : 2 <sup>nd</sup> :
Do you think that you are getting maximum or best possible milk yield?	[0] No [1] Yes
<b>If No</b> , then in your opinion what information and/or service could help you to improve milk yield? [ <b>INTERVIEWER</b> , ask the farmer to rank order (1 <sup>st</sup> & 2 <sup>nd</sup> ) his requirements.]	1 <sup>st</sup> : 2 <sup>nd</sup> :

3.6 Questions on information about agricultural markets ...

Did you get prior information (before you go to the market) about prices of your crops in 2012 & 2013? Please write name and the source of information (see note 50) for each. In the case of no services, write 0.	Crop	Source
	i.	
	ii.	
	iii.	
	iv.	
Do you receive grade/quality specific price data for your crop?	[0] No [1] Yes	
How accurate is the information on price?	[1] No difference [2] Difference is less than 10% [3] Difference is more than 10%	
Do you feel that you have always obtained a good price for your produce?	[0] No [1] Yes	
Are you aware of pledge loans? <i>Mention the sources of information from the list provided in note 50 if the answer is "Yes".</i>	[0] No [1] Yes	

Have you taken pledge loan in 2012 & 2013? <i>If Yes, then name the organization and the crop.</i>	[0] No [1] Yes _____
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### 3.7 Questions on information about credit schemes and insurance ...

Do you get information about agricultural loan schemes by the government? <i>Please select (√). Mention the sources of information from the list provided in note 50 if the answer is “Yes”.</i>	[0] No [1] Yes _____
Is the information regarding agricultural loans adequate? In other words, do you know types of products, how to apply (forms and documents required and where to collect from), and other terms and conditions in case you want to apply soon?	[0] No [1] Yes
Have you taken an agricultural loan in 2012 or 2013?	[0] No [1] Yes
If Yes, provide details:	From whom? For what? How much?
If No, provide reasons for not applying/obtaining?	
Are you aware of?  Crop insurance ..... Cattle insurance .....	[0] No                      [1] Yes [0] No                      [1] Yes
Do you get information about agricultural (crop & cattle) insurance? <i>Please select (√). Mention the sources of information from the list provided in note 50 if “Yes”.</i>	Crop: [0] No [1] Yes _____ Cattle: [0] No [1] Yes _____
Is the information regarding agricultural (crop & cattle) insurance adequate? In other words, do you know types of products, how to apply (forms and documents required and where to collect from), and other terms and conditions in case you want to buy insurance soon?	[0] No [1] Yes
Did you have any insurance policy that covers the risk of crop damage in 2012 or 2013?	[0] No [1] Yes
If Yes, provide details:	From whom?  For what?  Premium paid:
If No, provide reasons for not applying/obtaining?	

### 3.8 Your willingness to pay to get information ...

Suppose a reputed organization offers such crop and animal specific agricultural information (e.g. pest control, fertilizer application, animal feed & diseases) all stored into an electronic device. It will also provide information on current prices of crops in nearby markets, loan schemes, and insurance products. Once a farmer had paid the season-wise subscription fee (on per acre of land basis), an extension agent will visit him bi-weekly to provide the service. Are you willing to pay a certain amount towards meeting the operational cost of this service? <i>Please select (√):</i>	[0] No [1] Yes
<b>If you said “Yes” to the above question then, are you willing to pay Rs. _____ /acre per season? <i>Please select (√):</i></b>	[0] No [1] Yes

<b>If you said “No” to the above question then, are you ready to pay Rs. /acre per season? Please select (√):</b>	[0] No [1] Yes
<b>If you said “No” to the above question then, are you ready to pay Rs. /acre per season? Please select (√):</b>	[0] No [1] Yes

3.9 If you are not willing to pay at all, what could be the reason for that decision? *Select (√):*

[1] Do not need any such information	[2] Do not trust an unknown party
[3] Not sure about the technology and the service	[4] Other (specify):

3.10 If you had to take a decision about your farming (e.g. which particular crops to plant on your farm, which seeds and fertilizer to use), whom would you ask for advice? Name the person(s) and his/her address.

[1] Name:	Address & Contact no.:
[2] Name:	Address & Contact no.:

3.11 Please describe the two most significant problems (e.g. pest etc.) you have had with the farm in 2012 and 2013.

Problem # 1	Who helped you in identification?	Name: Address:
	Did the person/organization that helped you identify the problem help in finding a solution?	[0] No [1] Yes
	If you had another problem, would you go to this person/organization?	[0] No [1] Yes
Problem # 2	Who helped you in identification?	Name: Address:
	Did the person/organization that helped you identify the problem help in finding a solution?	[0] No [1] Yes
	If you had another problem, would you go to this person/organization?	[0] No [1] Yes

3.12. Your learning about new technologies: Do you learn from progressive farmers in your village

Farmer # 1	Do you know this farmer?	[0] No [1] Yes
	If Yes, do you consult him to obtain farming related information?	[0] No [1] Yes
	If Yes, have you visited his farm in 2012/13 to learn about new technology use?	[0] No [1] Yes
Farmer # 2	Do you know this farmer?	[0] No [1] Yes
	If Yes, do you consult him to obtain farming related information?	[0] No [1] Yes
	If Yes, have you visited his farm in 2012/13 to learn about new technology use?	[0] No [1] Yes

3.13 Membership: Are you member of ...

Organic Association?	[0] No	[1] Yes
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Any farmer's co-operative? If Yes, write name.	[0] No	[1] Yes
Any self help group? If Yes, write name.	[0] No	[1] Yes

3.14 For each NGO working in the village (if any), provide details of information & help they provide to farmers. In case there is no NGO working with farmers, put ×.

Name	Agricultural activities		
1.	i.	ii.	iii.
2.	i.	ii.	iii.

#### **Section 4: Household details**

4.1 Other persons staying with the family ...

Servants (Number): \_\_\_\_\_ Permanent Laborers (Number): \_\_\_\_\_

4.2 Now, some questions on income shocks faced in the period **June'2012–May'2013**. Please select (✓) the appropriate options for the following questions.

During last 12 months did your household suffer from any significant shortfall in total income?(compared to last 5yrs average income)	[0] No [1] Yes
If YES, what was the source of that disturbance? <i>[INTERVIEWER, if the farmer response is option [2], then ask for more detail and note it down.]</i>	[1] Crop failure due to drought/ flood [2] Crop damage due to other reasons [3] Livestock diseases & death [4] Health problems of family member [5] Other (specify) _____
How did your household cope up with that income disturbance?	[1] Sale of land [2] Sale of livestock [3] Sale of other assets & commodities [4] Found a job inside the village [5] Migrated <sup>52</sup> in search of a job [6] Borrowing (Source: _____ ) [7] Other (specify) _____

4.3 In case any of the household members migrated elsewhere for earning due to an income shock from crop failure in 2012 or 2013, provide a list of names.

i.	iii.
ii.	iv.

4.4 What was your household's off-farm income (in Rupees) during the previous agricultural seasons from the following sources (**include the income of all persons listed in question 1.4**)?

<sup>52</sup> A migrant worker is someone who is absent from home for more than a month each year to work or to seek work.

4.4.1 Source: Wages from agricultural employment on other farms

Member's name	Days worked in Kharif'12	Days worked in Rabi'12/13	Days worked in Summer'13	Avg. hrs/day	Income (Rs.)/day	Source of job <sup>53</sup>	Did he/she migrate in 2012?
							[0] No [1] Yes
							[0] No [1] Yes
							[0] No [1] Yes
							[0] No [1] Yes

4.4.2 Source: Wages/ salaries from non-agricultural employment

Member's name	Type of job	Days worked	Avg. hours/day	Income (Rs.)/day	Location of job <sup>54</sup>	Did he/she migrate in 2012?
						[0] No [1] Yes
						[0] No [1] Yes
						[0] No [1] Yes

4.4.3 Source: Income from self-employment (excluding business activities)

Member's name	Type of job	Days worked	Avg. hours/day	Income (Rs.)/day	Location of job <sup>54</sup>	Did he/she migrate in 2012?
						[0] No [1] Yes
						[0] No [1] Yes
						[0] No [1] Yes

4.4.4 Source: Income from own businesses [*INTERVIEWER, ask for May'1013 data.*]

Member's name	Sale of products & services (Rs.)	Raw material purchased (Rs.)	Rent & interest (Rs.)	Labor charges (Rs.)	Location of job <sup>54</sup>	Did he/she migrate in 2012?
						[0] No [1] Yes
						[0] No [1] Yes
						[0] No [1] Yes

<sup>53</sup> Options: 1 = inside the village; 2 = in another village

<sup>54</sup> Options: 1 = inside the village; 2 = in another village; 3 = in urban area

4.4.5 Source: Rent from leasing out land, livestock & machineries + Interest from lending money + Income from other investments (savings bank a/c, fixed deposits, national plan saving certificate, shares and bonds)

Member's name	Land	Cattle	Other livestock	Machine	Money lending	Financial investment

4.5 Do your household own consumer durables like ... Please select (✓)

	No.	Year of purchase & price (Rs.)		No.	Year of purchase & price (Rs.)
House with concrete floor			Steel trunk & almirah		
Refrigerator			Car, Van, Jeep		
Television			Motorbike, Scooter		
Radio, Transistor			Bicycle		
Telephone/ Mobile			VCD		
Computer			Other:		

4.6 In the past one month (May'13), how much did your household consume of the following items, and what was the equivalent value in Rupees? [*INTERVIEWER, ask for all goods consumed, including own-produced, bought, gifts and received in-kind. Multiply unit price with quantity and write down the total monetary value under the column 'Value (Rs.)'. If quantity is not available, as in the case of electricity bill, put × for quantity and report the monetary value only.*]

	Quantity	Value (Rs.)		Quantity	Value (Rs.)
Rice: Ration/ Society Market			Meat: Chicken Mutton		
Wheat: Ration/ Society Market			Fish		
Bajra			Eggs (No.)		
Jowar			Fruits: Banana Others		
Barley			Vegetables		
Ragi			Ready-made bread		
Red gram /Tur			Sweets		
Bengal gram			Milk (Liters)		
Black gram /Urd			Milk products (ghee, curd etc.)		
Green gram /Moong			Tea leaves, coffee, biscuits		
Beans			Cold drinks + ice cream		

	Quantity	Value (Rs.)		Quantity	Value (Rs.)
Edible oil			Processed Food (e.g. Maggi)		
Gur/ khandsari			Teashops, hotels		
Sugar: Ration/ Society Market			Fuel: Kerosene (ration/ society) Kerosene (market) Petrol		
Spices			Electricity bill		
Telephone bill (incl. mobile phone)			Household cleaning & personal care (soap, shampoo etc.)		
Newspapers, magazines & books			Barber (haircutting, shaving)		
Entertainment (cable, film, CD/DVD etc.)			Other:		

4.7 What did your household consume in the past 12 months (June'12 to May'13)? (Ask for all goods consumed, **including own-produced, bought, gifts and received in-kind.**)

	Value (Rs.)		Value (Rs.)
<b>Household items</b> (dishes, pots, towels, beddings etc.)		<b>Remittances / transfers</b> Sent to other households or individuals	
<b>Clothing &amp; footwear</b> (e.g., ready-made garments, sarees, shawls, cloth for garments, tailoring charges)		<b>Taxes, litigation and other charges</b> (water tax, farm tax, house tax, house rent)	
<b>Medicine and health costs</b> (doctor charges, medication, and medical devices, e.g., glasses)		<b>Other services</b> (repairs of machinery/ equipment/ house, etc.)	
<b>Ceremonies</b> (weddings, festivals, housewarming, special occasions )		<b>Education</b> (books, school fees, uniforms etc.)	
<b>Cooking gas:</b>  LPG		<b>Other:</b>	

4.8 Socio-economic status ...

4.8.1 Religion of the farmer: <i>Select (√)</i>	[1] Hinduism [2] Islam [3] Other (specify):
4.8.2 Caste of the farmer: <i>Select (√) but if the farmer tells specific caste record it as well beside the broad category.</i>	[1] General [2] S.C. [3] S.T. [4] O.B.C.