

## Questionnaire for Farm Survey, June 2016 – May 2017

**TALUKA:** Siruguppa. **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; 11 = non-farm labour (e.g. construction worker)

## Section 2: Agriculture

2.1 How many years of experience do you have in the following types of farming? Did you practice organic farming methods in **2016-17**? [**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 household			Other ( )		
Dairy commercial					

2.2 Did you practice mixed cropping in **2016-17**? Please select (✓) [0] No [1] Yes

### Land & Machineries

2.3 Please tell us about your farm size in last two years. [**INTERVIEWER**, ask for season-wise data. Report the area of land & units. Write 'ac' for acres & 'g' for guntas.]

	2016 Kharif	2016-17 Rabi	2017 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.]

	2016 Kharif	2016-17 Rabi	2017 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*]

	2016 Kharif		2016-17 Rabi		2017 Summer	
Are you landlord/owner? (Yes = 1)						
Crop grown under sharecropping						
	<b>Value</b>	<b>%</b>	<b>Value</b>	<b>%</b>	<b>Value</b>	<b>%</b>
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 2016 - 2017.

	June 2016 – May 2017	Kharif 2016	Rabi 2016-17	Summer 2017
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 (specify).

## 2.7. Questions on land quality assessment.

Did you get soil testing done after <b>May 2016</b> ? Please select (✓)	[0] No [1] Yes
If YES, who tested it? Please select from the list <sup>5</sup> below & write it in the box.	
Please list the suggestions that were given in the soil testing report? 1) 2)	
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 or use? [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	Purchase Or Rent ?	Purchase year	Price Rs.	Rent Rs.	Item	Purchase Or Rent ?	Purchase year	Price Rs.	Rent Rs.
Tractor	[1] purchase [2] rent				Plough	[1] purchase [2] rent			
Tiller	[1] purchase [2] rent				Power tiller	[1] purchase [2] rent			
Harrow	[1] purchase [2] rent				Weeder	[1] purchase [2] rent			
Pump set	[1] purchase [2] rent				Sprayer	[1] purchase [2] rent			
Harvester	[1] purchase [2] rent				Thresher	[1] purchase [2] rent			
Chaff cutter	[1] purchase [2] rent				Other:	[1] purchase [2] rent			
<b>Lump Sum Rent Paid (Rs.)</b>									
[1]Tractor [2]Tiller					[3]Harrowing [4]Ploughing				

### 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 cotton, 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 **Kharif 2016**. [INTERVIEWER, mention units for land area (acre & gunta) and production (quintal/ kg). 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	Crop duration	Variety	Mixed crop	Ratio	Planted area	Production
Kharif (2016)	i.						
	ii.						
	iii.						
	iv.						
	v.						
Rabi (2016-17)	i.						
	ii.						
	iii.						
	iv.						
	v.						
Summer (2017)	i.						
	ii.						
	iii.						

## 2.10. Which crops are you planning to cultivate in **Kharif 2017**?

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

**~ KHARIF 2016 ~**

2.11. If you have grown any of the focus crops<sup>6</sup> in **2016 Kharif** season, please provide following information on each stage of production. [**INTERVIEWER**, choose all crops see footnote 7. 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 inter-culture**

Main crop name:	1.		2.		3. <sup>7</sup>	
	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>8</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						
<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.)						

<sup>6</sup> Include all crops grown in the season.

<sup>7</sup> If there are more than three crops then use additional questionnaire.

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

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

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>10</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						
<b>Wage in kind<sup>10</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						

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

<b>Of which hired labor:</b>						
Male						
Female						
<b>Wage in cash:</b>						
Male						
Female						
<b>Wage in kind <sup>12</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>12</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>11</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.)			
<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>12</sup>:</b>			
Male			
Female			

<sup>11</sup> Options: 1 = Farmyard manure; 2 = Vermicompost

<sup>12</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<b>Main crop name:</b>	<b>1.</b>				<b>2.</b>				<b>3.</b>			
Name/ types(s) of fertilizer used	1) 2) 3) 4)				1) 2) 3) 4)				1) 2) 3) 4)			
Quantity of fertilizer used:	1)	2)	3)	4)	1)	2)	3)	4)	1)	2)	3)	4)
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 (mention even if applied separately)	1) 2)				1) 2)				1) 2)			
Quantity of micro-nutrient used:	1)		2)		1)		2)		1)		2)	
Bag size (kg)												
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>13</sup>:</b>												
Male												
Female												

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



<b>Main crop name:</b>	<b>1.</b>	<b>2.</b>	<b>3.</b>
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>14</sup>:</b>			
Male			
Female			

**2.11.C. Plant protection (Use blank side of the page if there are more than 4 chemicals)**

<b>Main crop name:</b>	<b>1.</b>	<b>2.</b>	<b>3.</b>
Name(s) of the insecticide/ fungicide used	1) 2) 3) 4)	1) 2) 3) 4)	1) 2) 3) 4)
Quantity of insecticide/ fungicide used:	1) 2) 3) 4)	1) 2) 3) 4)	1) 2) 3) 4)
Bag/bottle size			
No. of bags/bottle			
Price of insecticide/ fungicide (Rs.)			
<b>Labor use in 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			

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

<b>Main crop name:</b>	<b>1.</b>	<b>2.</b>	<b>3.</b>
Name(s) of the herbicide used	1) 2)	1) 2)	1) 2)
Quantity of herbicide used:	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>15</sup>:</b>			
Male			
Female			

#### 2.11.D. Harvesting

<b>Main crop name:</b>	<b>1.</b>	<b>2.</b>	<b>3.</b>			
Harvested quantity of 'main' crop:						
Bag size						
No. of bags full						
Time of harvesting (month, week)						
<b>'main' crop cutting:</b>	<b>Labor</b>	<b>Machine</b>	<b>Labor</b>	<b>Machine</b>	<b>Labor</b>	<b>Machine</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>15</sup>:</b>						
Male						
Female						
<b>Mixed crop name:</b>	<b>1.</b>	<b>2.</b>	<b>3.</b>			
Harvested quantity of 'mixed' crop:						
Bag Size						
No. of bags full						

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

<b>Mixed' crop cutting:</b> Is it done separately from 'main' crop? (Yes = 1, No = 0)  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>16</sup>:</b> Male Female						
	Labor	Machine	Labor	Machine	Labor	Machine
<b>Transportation cost till vard (Rs.)</b>						
<b>Grading, 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>16</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)						

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

2.12. Now, provide details on revenues earned from your crops and their by-products (if any) grown in **Kharif 2016** season. [**INTERVIEWER**, mention unit of sales.]

Main crop name:	1.	2.	3.
Where did you sell the main crop? To whom <sup>17</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 2016** 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. <b>Crop 1:</b> <b>Crop 2:</b> <b>Crop 3:</b>	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.	<b>Crop 1:</b> Loss:  <b>Crop 2:</b> Loss:  <b>Crop 3:</b> Loss:	

~ RABI 2016-17 ~

#### 2.14.A. Land preparation to inter-culture

Main crop name:	1.		2.		3. <sup>18</sup>	
Plowing:	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						
Person(s) needed						
Of which hired labor						
Rental paid in cash (Rs.)						
Rental paid in kind <sup>19</sup>						
Expense on diesel (Rs.) if farmer used own tractor						

<sup>17</sup> Options: 1 = private merchant inside village; 2 = private merchant outside village; 3 = market organized by the government (APMC); 4 = company; 5 = other (specify).

<sup>18</sup> Include all crops grown in the season. If there are more than three crop then use additional questionnaire.

<sup>19</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

Main crop name:	1.		2.		3.	
	Animal	Machinery	Animal	Machinery	Animal	Machinery
<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						
<b>Sowing/ Planting:</b>						
Time of sowing (month, week)						
Quantity of homegrown seeds (kg)						
Source of purchased or gifted seeds <sup>20</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>21</sup>:</b>						
Male						
Female						

<sup>20</sup> Options: 1 = Dealer or trader; 2 = RSK; 3 = Karnataka Beej Nigam; 4 = NGO; 5 = other (specify).

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

Main crop name:	1.		2.		3.	
Transplanting:	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						
<b>Wage in kind <sup>22</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>22</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>22</sup></b>						
Male						
Female						

<sup>22</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

## 2.14.B. Fertilizer application & irrigation

Main crop name:	1.	2.	3.
Type(s) of manure used <sup>23</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.)			
<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>24</sup>:</b>			
Male			
Female			
Name/ types(s) of fertilizer used	1) 2) 3) 4)	1) 2) 3) 4)	1) 2) 3) 4)
Quantity of fertilizer used:	1) 2) 3) 4)	1) 2) 3) 4)	1) 2) 3) 4)
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>24</sup>:</b>			
Male			
Female			

<sup>23</sup> Options: 1 = Farmyard manure; 2 = Vermicompost

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

<b>Main crop name:</b>	<b>1.</b>		<b>2.</b>		<b>3.</b>	
Name(s) of micro-nutrient used (mention even if applied separately)	1) 2)		1) 2)		1) 2)	
Quantity of micro-nutrient used:	1)	2)	1)	2)	1)	2)
Bag size (kg)						
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>25</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>25</sup>:</b>						
Male						
Female						

<sup>25</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea



**2.14.C. Plant protection (Use blank side of the page if there are more than 4 chemicals )**

<b>Main crop name:</b>	<b>1.</b>				<b>2.</b>				<b>3.</b>			
Name(s) of the insecticide/ fungicide used	1) 2) 3) 4)				1) 2) 3) 4)				1) 2) 3) 4)			
Quantity of insecticide/ fungicide used:	1)	2)	3)	4)	1)	2)	3)	4)	1)	2)	3)	4)
Bag/bottle size												
No. of bags/bottle												
Price of insecticide/ fungicide (Rs.)												
<b>Labor use in 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>26</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>26</sup>:</b>												
Male												
Female												

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

## 2.14.D. Harvesting

<b>Main crop name:</b>	<b>1.</b>	<b>2.</b>	<b>3.</b>			
Harvested quantity of 'main' crop:						
Bag size						
No. of bags full						
Time of harvesting (month, week)						
<b>'main' crop cutting:</b>	<b>Labor</b>	<b>Machine</b>	<b>Labor</b>	<b>Machine</b>	<b>Labor</b>	<b>Machine</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>27</sup>:</b>						
Male						
Female						
<b>Mixed crop name:</b>	<b>1.</b>	<b>2.</b>	<b>3.</b>			
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)						
	<b>Labor</b>	<b>Machine</b>	<b>Labor</b>	<b>Machine</b>	<b>Labor</b>	<b>Machine</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:</b>						
Male						
Female						
<b>Of which hired labor:</b>						
Male						
Female						
<b>Wage in cash:</b>						
Male						
Female						
<b>Wage in kind <sup>27</sup>:</b>						
Male						
Female						

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

<b>Main crop name:</b>	<b>1.</b>		<b>2.</b>		<b>3.</b>	
<b>Transportation cost till yard (Rs.)</b>						
<b>Grading, 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>28</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 2016-17** season. [**INTERVIEWER**, mention unit of sales.]

	<b>1.</b>	<b>2.</b>	<b>3.</b>
Where did you sell 'main' crop? To whom <sup>29</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>28</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<sup>29</sup> Options: 1 = private merchant inside village; 2 = private merchant outside village; 3 = market organized by the government (APMC); 4 = company; 5 = other (specify).

2.16. Some questions on your experience regarding crop conditions during **Rabi 2016-17** 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. <b>Crop 1:</b> <b>Crop 2:</b> <b>Crop 3:</b>	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>

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#### 2.17.A. Land preparation to inter-culture

Main crop name:	1.		2.		3. <sup>30</sup>	
	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>31</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>31</sup>						
Expense on diesel (Rs.) if farmer used own tractor						

<sup>30</sup> Include all crops grown in the season. If there are more than three crop then use additional questionnaire.

<sup>31</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>32</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
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>33</sup>:</b>					
Male					
Female					
<b>Transplanting:</b>	Ani./Hum.	Machinery	Ani./Hum.	Machinery	Ani./Hum.
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>33</sup>:</b>					
Male					
Female					

<sup>32</sup> Options: 1 = Dealer or trader; 2 = RSK; 3 = Karnataka Beej Nigam; 4 = NGO; 5 = other (specify).

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

<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>34</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>34</sup>:</b>					
	Male					
Female						

### 2.17.B. Fertilizer application & irrigation

Main crop name:	1.	2.	3.
Type(s) of manure used <sup>35</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>34</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<sup>35</sup> Options: 1 = Farmyard manure; 2 = Vermicompost

<b>Main crop name:</b>	<b>1.</b>	<b>2.</b>	<b>3.</b>									
<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>36</sup>:</b>												
Male												
Female												
Name/ types(s) of fertilizer used	1) 2) 3) 4)	1) 2) 3) 4)	1) 2) 3) 4)									
Quantity of fertilizer used:	1)	2)	3)	4)	1)	2)	3)	4)	1)	2)	3)	4)
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>36</sup>:</b>												
Male												
Female												
Name(s) of micro-nutrient used (mention even if applied separately)	1) 2)	1) 2)	1) 2)		1) 2)	1) 2)	1) 2)		1) 2)	1) 2)	1) 2)	
Quantity of micro-nutrient used:	1)	2)			1)	2)			1)	2)		
Bag size (kg)												
No. of bags												
Price of micro-nutrient (Rs.)												

<sup>36</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>37</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>37</sup>:</b>			
Male			
Female			

**2.17.C. Plant protection** (Use blank side of the page if there are more than 4 chemicals)

<b>Main crop name:</b>	<b>1.</b>				<b>2.</b>				<b>3.</b>			
Name(s) of the insecticide/ fungicide used	1) 2) 3) 4)				1) 2) 3) 4)				1) 2) 3) 4)			
Quantity of insecticide/ fungicide used:	1)	2)	3)	4)	1)	2)	3)	4)	1)	2)	3)	4)
Bag/bottle size												
No. of bags/bottle												
Price of insecticide/ fungicide (Rs.)												

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



<b>Labor use in 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>38</sup>:</b> Male Female			
<b>Main crop name:</b>	<b>1.</b>	<b>2.</b>	<b>3.</b>
Name(s) of the herbicide used	1) 2)	1) 2)	1) 2)
Quantity of herbicide used:	1)	2)	1)
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>38</sup>:</b> Male Female			

<sup>38</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

### 2.17.D. Harvesting

<b>Main crop name:</b>	<b>1.</b>	<b>2.</b>	<b>3.</b>			
Harvested quantity of 'main' crop:						
Bag size						
No. of bags full						
Time of harvesting (month, week)						
<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>39</sup>:</b>						
Male						
Female						
<b>Mixed crop name:</b>	<b>1.</b>	<b>2.</b>	<b>3.</b>			
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						
<b>Wage in cash:</b>						
Male						
Female						
<b>Wage in kind <sup>39</sup>:</b>						
Male						
Female						

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

Main crop name:	1.		2.		3.	
Transportation cost till yard (Rs.)						
<b>Grading, 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>40</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 2017** season. [*INTERVIEWER, mention unit of sales.*]

	1.	2.	3.
Where did you sell the main crop? To whom <sup>41</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>40</sup> Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

<sup>41</sup> Options: 1 = private merchant inside village; 2 = private merchant outside village; 3 = market organized by the government (APMC); 4 = company; 5 = other (specify).

2.19 Some questions on your experience regarding crop conditions during **Summer 2017** 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. <b>Crop 1:</b> <b>Crop 2:</b> <b>Crop 3:</b>	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>

## 2.20 Irrigation details:

Crop	Kharif 2016	Rabi 2016 - 17	Summer 2017
Area under irrigation cover			
Source*			
Method**			
Engine power of the pump (HP)			
Diameter of suction pipe			
Depth of well (Write Unit)			
No. of irrigation (Total)			
No. of irrigation / Month:			
Water yield (write unit)***			
No. of irrigation / Month:			
Water yield (write unit)***			
No. of irrigation / Month:			
Water yield*** (write unit)			
No. of irrigation / Month:			
Water yield (write unit)***			
No. of irrigation / Month:			
Water yield (write unit)***			

\*Options: 1 = open well; 2 = tube well; 3 = bore well; 4 = canal; 5 = tank; 6 = other

\*\*Options: 1 = drip; 2 = sprinkler; 3 = surface; 4 = other

\*\*\*Water yield is in inch (height of the standing water) or gallons per hour

### **Livestock**

2.21 Please provide information on your livestock holding during **June 2016 – May 2017**

Animal	No. in June 2016	No. in March 2017	Animal	No. in June 2016	No. in March 2017
Cow			Sheep		
Buffalo			Goat		
Calf			Chicken		
Bullock			Other, Specify		

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 <b>June 2016 – May 2017</b> (Rs.):	
Artificial insemination	
Vaccination	
De-worming	
Medicine & doctor fee	
Other (specify):	

2.23 Labor utilization and charges for dairy farming (**June 2016 to May 2017**)

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>42</sup>						
Age						
No. of births given (till date)						
When did it give birth last time?						
Current week's milk yield per day						

<sup>42</sup> Options: 1 = Indigenous; 2 = Pure-breed HF; 3 = Jersey, 4 = Cross-breed between indigenous and HF, 5 = Others (Please specify)

## 2.25 Utilization of dairy production ...

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

## 2.26 Some questions on your experience regarding dairy farming conditions during **June 2016 to May 2017**. Please select (✓) the correct answer for the following questions.

Do you think summer in <b>2016 – 17</b> 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 ( <b>June'16 – May'17</b> )?	[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 2016 – May 2017**.

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

## 2.28 Provide data on livestock transactions in these seasons.

	Summer 2016	Kharif 2016	Rabi 2016 – 17	Summer 2017
Animal <sup>43</sup> purchased				
No. of units				
Breed <sup>44</sup>				
Purchase price (unit)				
Animal <sup>43</sup> sold				
No. of units				
Sale price (per unit)				
Breed <sup>44</sup>				
Reason for sale <sup>45</sup>				

## 2.29 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.

<sup>43</sup> Options: 1 = cow; 2 = buffalo; 3 = goat; 4 = chicken; 5 = other (please specify in the box).

<sup>44</sup> Options: 1 = local; 2 = pure or outside; 3 = mixed.

<sup>45</sup> Options: 1 = drought; 2 = health issues; 3 = difficulty to manage; 4 = family needs (marriage etc.); 5 = other (specify).

### 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>Summer 2016, Kharif 2016, Rabi 2016-17</b> seasons? <i>[Please write name and the source of information <sup>46</sup> for each crop.]</i>	Crop	Source
	i.	
	ii.	
	iii.	
	iv.	
	v.	
How many visits did you make to RSK/KVK/ARS in <b>Summer 2016, Kharif 2016, Rabi 2016-17</b> , seasons?		
What were the reasons for visiting RSK/ KVK/ARS? <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 (Specify):	
Did you get educational pamphlets on latest technology, management practices or pest control from RSK/ KVK/ARS?	[0] No [1] Yes	
Did you participate in any farmer training in <b>Summer 2016, Kharif 2016, Rabi 2016-17</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:	
How frequently have your farm been visited by an agricultural extension officer (from RSK/KVK/ARS/University) in <b>Summer 2016, Kharif 2016, Rabi 2016-17</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>Summer 2016, Kharif 2016, Rabi 2016-17</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 46).</i>	[0] No [1] Yes <b>then Source:</b>	
Did you receive information about the forecasted amount of rain from this source before the planting season?	[0] No [1] Yes	

<sup>46</sup> Options: 1 = Input dealer or traders; 2 = RSK; 3 = KVK/ARS; 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 = Glasgow- ISEC Project Staff ; 14 = Others (please, specify)

Have you anytime used the <b>Weather Information Helpline Numbers</b> ?	[0] No [1] Yes
If yes, please tell us how many times have you used so far?	_____
Did you take up your farm operations on the basis of information provided by the helpline number?	[0] No [1] Yes

3.2 Now consider **the most important crop** <sup>47</sup> you grow (the crop which had largest acreage). Tell us 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: **Kharif 2016** ; Crop: \_\_\_\_\_ ; Area: \_\_\_\_\_

Information on:	Available?	Source (ref. note 46)	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/KVK/ARS 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>47</sup> Among all the crops grown in this season, select the crop based on largest area under cultivation.



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 46)	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
If No, 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
If No, 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.

	Crop	Source
Did you get prior information (before you go to the market) about prices of your crops in <b>2016 &amp; 2017</b> ? Please write name and the source of information (see note 46) for each. In the case of no services, write 0.	i.	
	ii.	
	iii.	
	iv.	
	v.	
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 46 if the answer is "Yes".</i>	[0] No [1] Yes _____	
Have you taken pledge loan in 2016 & 2017? If Yes, then name the organization and the crop.	[0] No [1] Yes _____	

### 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 46 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 <b>2016 &amp; 2017</b> ?	[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 46 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 2016 & 2017?	[0] No [1] Yes
If Yes, provide details:	From whom?  For what?  Premium paid:
If No, provide reasons for not applying/obtaining?	

3.8 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.:

3.9 Please describe the two most significant problems (e.g. pest etc.) you have had with the farm in **2016 and 2017?**

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

3.10 Now we are going to ask questions on farmer contact to other farmers for any other agricultural information ...

Farmer # 1	Name and village of the farmers within or outside the village from whom you receive farming related information? (tick all options that apply)	Name: GP: Village:  How are you related/linked with this farmer? <b>Select ( ✓ ) from below:</b>  [1] Immediate family member [2] Relative [3] Household neighbour (close to residence) [4] Farm neighbour (close to farm land) [5] Friend [6] Belong to same caste [5] Share any group membership with this farmer (e.g. farmer's co-operative; self help group; Farmer Producer Organizations (FPOs) [6] Other, specify:_____
	List all farming related information received from this farmer during June 2016/May 2017?	i. ii. iii. iv. v.
	Did you visit his farm in 2016/17 to learn about new technology use?	[0] No [1] Yes

Farmer # 2	Name and village of the farmers within or outside the village from whom you receive farming related information? (tick all options that apply)	Name: GP: Village: How are you related/linked with this farmer? <b>Select ( ✓ ) from below:</b> [1] Immediate family member [2] Relative [3] Household neighbour (close to residence area) [4] Farm neighbour (close to farmingland) [5] Friend [6] Belong to same caste [5] Share any group membership with this farmer (e.g. farmer's co-operative; self help group; Farmer Producer Organizations (FPOs) [6] Other, specify: _____
	List all farming related information received from this farmer during June 2016/May 2017?	i. ii. iii. iv. v.
	Did you visit his farm in 2016/17 to learn about new technology use?	[0] No [1] Yes

### 3.11 Membership: Are you member of ...

Organic Association? If Yes, write name.	[0] No [1] Yes Name:
Any farmer's co-operative? If Yes, write name.	[0] No [1] Yes Name:
Any self help group? If Yes, write name.	[0] No [1] Yes Name:
Are you a member of Farmer Producer Organizations?	[0] No [1] Yes Name:

### 3.12 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'2016–May'2017**. Please select (✓) the appropriate options for the following questions.

During last <b>12 months</b> did your household suffer from any significant shortfall in total 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>48</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 **June'2016–May'2017**. 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**)?

4.4.1 Source: Wages from agricultural employment on other farms (**June 2016 to May 2017**)

Member's name	Days worked in			Summer 2017	Avg. hrs/day	Income (Rs.)/day	Source of job <sup>49</sup>	Did he/she migrate <sup>48</sup> in 2016-17?
	Summer 2016	Kharif 2016	Rabi 2016-17					
								[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>50</sup>	Did he/she migrate <sup>48</sup> in 2016-17?
						[0] No [1] Yes
						[0] No [1] Yes
						[0] No [1] Yes

<sup>48</sup> A migrant worker is someone who is absent from home for more than a month each year to work or to seek work.

<sup>49</sup> Options: 1 = inside the village; 2 = in another village

<sup>50</sup> Options: 1 = inside the village; 2 = in another village; 3 = in urban area

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>51</sup>	Did he/she migrate in 2016-17?
						[0] No [1] Yes
						[0] No [1] Yes
						[0] No [1] Yes

4.4.4 Source: Income from own businesses [*INTERVIEWER, ask for March 2017 data.*]

Member's name	Sale of products & services (Rs.)	Raw material purchased (Rs.)	Rent & interest (Rs.)	Labor charges (Rs.)	Location of job <sup>51</sup>	Did he/she migrate in 2016-17?
						[0] No [1] Yes
						[0] No [1] Yes
						[0] No [1] Yes

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.)	
		Year	Price			Year	Price
House with concrete floor				Steel trunk & Almirah			
Refrigerator				Car, Van, Jeep			
Television				Motorbike, Scooter			
Radio, Transistor				Bicycle			
Telephone/ Mobile				VCD			
Computer/Laptop				Other:			

<sup>51</sup> Options: 1 = inside the village; 2 = in another village; 3 = in urban area

4.6 In the past one month (**for example March 2017**), 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: Own 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 (Litres)		
Black gram /Urd			Milk products (ghee, curd etc.)		
Green gram /Moong			Tea leafs, coffee, biscuits		
Beans			Cold drinks + ice cream		
Edible oil			Processed Food (e.g. Maggi)		
Gur/ khandsari			Teashops, hotels		
Sugar: Ration/ Society Market			Fuel: Kerosene (ration/ society) Kerosene (market) Petrol LPG		
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 (March'16 to March '17)**? (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>Other:</b>		<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.

### Section 5: Farmers' Helpline Number

5.1 Are you aware of any farmers' helpline number for crop production and marketing related information? ( YES / NO )

5.1.1 If yes, since when and could you share us the helpline number you know of?

\_\_\_\_\_

5.2 In the year 2016, how often you must have used the helpline for obtaining information?

▣ **Less than 5 times**      ▣ **5 – 10 times**      ▣ **More than 10 times**      ▣ **0 times**

5.2.1 When was the last time you used this number ? \_\_\_\_\_ **Month** \_\_\_\_\_ **Year.**

5.2.2 Mention the purpose of using this number last time?

- To know about a new crop variety/technology
- To know about market price
- To know about insect / disease management
- To know about rainfall/weather details
- To know about farm subsidies/ incentives
- To know about crop insurance
- To know about crop loan
- To know about weed control aspect
- Others, \_\_\_\_\_ (Pls. mention)



5.2.3 Were you satisfied with the information provided through this helpline last time?  
(YES / NO )

5.2.4 If yes, please rate your satisfaction regarding the use of the helpline number last time?  
☐ **Very Much Satisfied**                      ☐ **Satisfied**                      ☐ **Somewhat Satisfied**  
☐ **Not Satisfied**                      ☐ **Totally dissatisfied**

5.2.5 Do you plan to use the number next time? (1= YES; 0 = NO; \$ = Not Applicable).

### *Section 6: Contract Farming*

6.1 Are you engaged in contract farming? (YES / NO)

6.1.1 If yes, since when you are practicing contract farming? \_\_\_\_\_ YEAR.

6.1.2 Give the name of the company involved in contract farming?  
\_\_\_\_\_

6.1.3 What type of contract you practice? (*Please select ( ✓ ) the appropriate option*)

**a)** Fixed Price Contract **b)** Input supply contract **c)** Input supply + fixed price contract.

6.1.4 How you came to know about contract farming? (*Please select ( ✓ ) the appropriate option*)

**a)** Advertisement in mass media, **b)** Through Extension Agency Contact, **c)** Through Private agri. firms, **d)** Information from other farmers, **e)** Information from family members/ friends, **f)** Others \_\_\_\_\_ (Please, mention)

6.1.5 How many crops you cultivate under contract farming in a year? \_\_\_\_\_

6.1.6 Mention the crop/s cultivated under contract farming by you?

a) \_\_\_\_\_ Contract Amount/ Year: Rs. \_\_\_\_\_  
b) \_\_\_\_\_ Contract Amount Year: Rs. \_\_\_\_\_  
c) \_\_\_\_\_ Contract Amount Year: Rs. \_\_\_\_\_

6.1.7 Under contract farming, what kind of information/incentives you get from the company?

**a)** Seeds  
**b)** Fertilizers  
**c)** Agricultural Inputs for crop protection  
**d)** Farm advisory services  
**e)** Crop insurance  
**f)** Crop loan;  
**g)** Others \_\_\_\_\_ (Please mention)

6.1.8 Do you also get advice/information from the company for other than the crops under contract?  
(YES / NO)

6.1.9 How much you are satisfied with the present set-up of contract farming?

☐ **Very Much Satisfied**                      ☐ **Satisfied**                      ☐ **Somewhat Satisfied**  
☐ **Not Satisfied**                      ☐ **Totally dissatisfied**

6.2 What do you think are the necessary criteria for a farmer to get involved in contract farming?  
*(Please ask this question to all households whether or not they practice contract farming)*  
*(Please rank them in the order of importance)*

Criteria	Rank
Assured Irrigation	
Labour availability	
Land acreage	
Soil fertility	
Social Contact	
Other _____	

6.2.1 Please rank the benefits that you realized from contract farming?  
*(Please rank them in the order of importance)*

Criteria	Rank
Assured income	
Superior price on the basis of quality	
Farm advisory services / technical support	
Crop loan / Insurance	
Hassle free marketing	
Ability to cope with farm risks	
Others _____	

6.2.3 What are the major advantage/s that you realized from following contract farming? *Please select (✓) the appropriate options*

- Yield Increase (    )
- Reduction in Cost of Cultivation (    )
- Reduction in the usage of pesticides (    )
- Reduction in farm risk (    )

### *Section 7.0: Land Ownership Documents*

7.1 Is the land ownership documents (RTC) on your name (ask the farmer)? (YES / NO)

7.2 If not on your name then on whose name are these documents? \_\_\_\_\_

7.3 Does this person live together within your household? (YES / NO)