

Questionnaire for midline survey 2013-14

TALUKA: _____ GP: _____ VILLAGE: _____ HH ID:

1. Interviewer Name:

Farmer name:	Interview date: ____ / ____ / _____
Landmark:	Phone (IF farmer got a new one):

Land & Machineries

2. 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)

	2013 Kharif	2013-14 Rabi	2014 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			

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

3.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.]

	2013 Kharif	2013/14 Rabi	2014 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.)			

3.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.)	

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

	2013 Kharif		2013/14 Rabi		2014 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 ()						

5. Which agricultural machineries do you purchase or rent in these seasons?

		2013 Kharif		2013/14 Rabi		2014 Summer	
Item name	Purchase or rent?	Price	Rent	Price	Rent	Price	Rent
	[1] purchase [2] rent						
	[1] purchase [2] rent						
	[1] purchase [2] rent						
	[1] purchase [2] rent						
	[1] purchase [2] rent						
	[1] purchase [2] rent						
	[1] purchase [2] rent						

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.*]

6. Name **all** the crops grown by the farmer since **2013**. [**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 (2013)	i.					
	ii.					
	iii.					
	iv.					
	v.					
Rabi (2013-14)	i.					
	ii.					
	iii.					
	iv.					
	v.					
Summer (2014)	i.					
	ii.					
	iii.					

~ KHARIF 2013 ~

7. If you have grown any of the focus crops ¹ in **2013 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 ‘.’.]

7. A Land preparation to interculture

Main crop name:	1.		2.		3.	
	Animal	Machinery	Animal	Machinery	Animal	Machinery
Plowing:						
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 ²						
Expense on diesel (Rs.) if farmer used own tractor						
Harrowing:						
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 ³						
Expense on diesel (Rs.) if farmer used own tractor						

¹ Focus crops: Ragi, Paddy, Redgram, Cotton, Sunflower, and Bengal gram.

² Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

³ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

Sowing/ Planting:					
Time of sowing (month, week)					
Quantity of homegrown seeds (kg)					
Source of purchased or gifted seeds ⁴					
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					
Person(s) needed (separate):					
Male					
Female					
Of which hired labor:					
Male					
Female					
Wage in cash:					
Male					
Female					
Wage in kind ⁵:					
Male					
Female					
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					
Person(s) needed (separate):					
Male					
Female					
Of which hired labor :					
Male					
Female					
Wage in cash:					
Male					
Female					

⁴ Options: 1 = Dealer or trader; 2 = RSK; 3 = Karnataka Beej Nigam; 4 = NGO; 5 = other.

⁵ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

Wage in kind ⁶:						
Male						
Female						
Contract payments (Rs.):						
Interculture:	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						
Person(s) needed (separate):						
Male						
Female						
Of which hired labor :						
Male						
Female						
Wage in cash:						
Male						
Female						
Wage in kind ¹¹:						
Male						
Female						
Weeding:						
How many times?						
Days taken to complete once						
Hours of work per day						
Person(s) needed:						
Male						
Female						
Of which hired labor:						
Male						
Female						
Wage in cash:						
Male						
Female						
Wage in kind ¹¹:						
Male						
Female						

7. B Fertilizer application & irrigation

Main crop name:	1.	2.	3.
Type(s) of manure used ⁷			
How many times manure applied?			
Quantity of manure from own farm			

⁶ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

⁷ Options: 1 = Farmyard manure; 2 = Vermicompost

[Unit: cart-load / tractor-load]					
Quantity of purchased manure [Unit: same]					
Price of purchased manure (Rs.)					
Labor use in manure application: Days taken to complete once Hours of work per day Person(s) needed: Male Female Of which hired labor: Male Female Wage paid in cash: Male Female Wage paid in kind ⁸: Male Female					
Name/ types(s) of fertilizer used	1) 2)	1) 2)	1) 2)	1) 2)	
Quantity of fertilizer used: Bag size (kg) No. of bags	1)	2)	1)	2)	1) 2)
Price of fertilizer (Rs.)					
Labor use in fertilizer application: How many times? Days taken to complete once Hours of work per day Person(s) needed: Male Female Of which hired labor: Male Female Wage paid in cash: Male Female Wage paid in kind ¹³: Male Female					
Name(s) of micro-nutrient used	1) 2)	1) 2)	1) 2)	1) 2)	
Quantity of micro-nutrient used: Bag size (kg) No. of bags	1)	2)	1)	2)	1) 2)
Price of micro-nutrient (Rs.)					

⁸ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

Labor use in nutrients application:			
How many times?			
Days taken to complete once			
Hours of work per day			
Person(s) needed:			
Male			
Female			
Of which hired labor:			
Male			
Female			
Wage paid in cash:			
Male			
Female			
Wage paid in kind ⁹:			
Male			
Female			
Is the land irrigated? (<i>Yes = 1, No = 0</i>)			
Labor use in irrigation:			
Source (borewell, canal etc.)			
How many times?			
Days taken to complete once			
Hours of work per day			
Person(s) needed:			
Male			
Female			
Of which hired labor:			
Male			
Female			
Wage paid in cash:			
Male			
Female			
Wage paid in kind:			
Male			
Female			

7. 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:	1)	2)	1)	2)	1)	2)
Bag/bottle size						
No. of bags/bottle						
Price of insecticide (Rs.)						

⁹ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

Labor use in insecticide application: How many times? Days taken to complete once Hours of work per day Person(s) needed: Male Female Of which hired labor: Male Female Wage paid in cash: Male Female Wage paid in kind ¹⁰: Male Female						
Name(s) of the herbicide used	1) 2)	1) 2)	1) 2)			
Quantity of herbicide used: Bag/bottle size No. of bags/bottle	1)	2)	1)	2)	1)	2)
Price of herbicide (Rs.)						
Labor use in herbicide application: How many times? Days taken to complete once Hours of work per day Person(s) needed each time: Male Female Of which hired labor: Male Female Wage paid in cash: Male Female Wage paid in kind ¹⁶: Male Female						

7. D Harvesting

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

¹⁰ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

'main' crop cutting:	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.)						
Person(s) needed (separate):						
Male						
Female						
Of which hired labor:						
Male						
Female						
Wage in cash:						
Male						
Female						
Wage in kind ¹¹:						
Male						
Female						
Contract payment (Rs.):						
Harvested quantity of 'mixed' crop:						
Bag size						
No. of bags full						
'mixed' crop cutting:						
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.)						
Person(s) needed:						
Male						
Female						
Of which hired labor:						
Male						
Female						
Wage in cash:						
Male						
Female						
Wage in kind ¹²:						
Male						
Female						
Transportation cost till yard (Rs.)						

¹¹ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

¹² Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

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.)						
Person(s) needed:						
Male						
Female						
Of which hired labor:						
Male						
Female						
Wage in cash:						
Male						
Female						
Wage in kind ¹³:						
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)						

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

Main crop name:	1.	2.	3.
Where did you sell the main crop? To whom ¹⁴ ?			
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.)			

9. Some questions on your experience regarding crop conditions during **Kharif 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

¹³ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

¹⁴ Options: 1 = private merchant inside village; 2 = private merchant outside village; 3 = market organized by the government (APMC); 4 = company; 5 = other.

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>

~ RABI 2013/14 ~

10. If you have grown any of the focus crops (see note 6) in **Rabi 2013-14** season, please provide following information.

10. A Land preparation to interculture

Main crop name:	1.		2.		3.	
	Animal	Machinery	Animal	Machinery	Animal	Machinery
Plowing:						
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 ¹⁵						
Expense on diesel (Rs.) if farmer used own tractor						
Harrowing:						
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 ¹⁶						
Expense on diesel (Rs.) if farmer used own tractor						

¹⁵ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

¹⁶ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

Sowing/ Planting: Time of sowing (month, week) Quantity of homegrown seeds (kg) Source of purchased or gifted seeds ¹⁷ 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 Person(s) needed (separate): Male Female Of which hired labor: Male Female Wage in cash: Male Female Wage in kind: Male Female							
	Animal	Machinery	Animal	Machinery	Animal	Machinery	
	Transplanting: 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 Person(s) needed (separate): Male Female Of which hired labor : Male Female Wage in cash: Male Female Wage in kind: Male Female Contract payments (Rs.)	Ani./Hum.	Machinery	Ani./Hum.	Machinery	Ani./Hum.	Machinery

¹⁷ Options: 1 = Dealer or trader; 2 = RSK; 3 = Karnataka Beej Nigam; 4 = NGO; 5 = other.

	Ani./Hum.	Machinery	Ani./Hum.	Machinery	Ani./Hum.	Machinery
Interculture:						
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						
Person(s) needed (separate):						
Male						
Female						
Of which hired labor:						
Male						
Female						
Wage in cash:						
Male						
Female						
Wage in kind ²⁴:						
Male						
Female						
Weeding:						
How many times?						
Days taken to complete once						
Hours of work per day						
Person(s) needed:						
Male						
Female						
Of which hired labor:						
Male						
Female						
Wage in cash:						
Male						
Female						
Wage in kind ²⁴:						
Male						
Female						

10. B Fertilizer application & irrigation

Main crop name:	1.	2.	3.
Type(s) of manure used ¹⁸			
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.)			
Labor use in manure application:			
Days taken to complete once			
Hours of work per day			
Person(s) needed:			
Male			
Female			
Of which hired labor:			
Male			
Female			
Wage paid in cash:			
Male			
Female			
Wage paid in kind ¹⁹:			
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.)			
Labor use in fertilizer application:			
How many times?			
Days taken to complete once			
Hours of work per day			
Person(s) needed:			
Male			
Female			
Of which hired labor:			
Male			
Female			
Wage paid in cash:			
Male			
Female			

¹⁸ Options: 1 = Farmyard manure; 2 = Vermicompost

¹⁹ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

Wage paid in kind ²⁷: 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)
No. of bags				
Price of micro-nutrient (Rs.)				
Labor use in nutrients application:				
How many times?				
Days taken to complete once				
Hours of work per day				
Person(s) needed:				
Male				
Female				
Of which hired labor:				
Male				
Female				
Wage paid in cash:				
Male				
Female				
Wage paid in kind ²⁰:				
Male				
Female				
Is the land irrigated? (<i>Yes = 1, No = 0</i>)				
Labor use in irrigation:				
Source (borewell, canal etc.)				
How many times?				
Days taken to complete once				
Hours of work per day				
Person(s) needed:				
Male				
Female				
Of which hired labor:				
Male				
Female				
Wage paid in cash:				
Male				
Female				
Wage paid in kind ²⁷:				
Male				
Female				

²⁰ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

10. 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						
Person(s) needed:						
Male						
Female						
Of which hired labor:						
Male						
Female						
Wage paid in cash:						
Male						
Female						
Wage paid in kind ²¹:						
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						
Person(s) needed each time:						
Male						
Female						
Of which hired labor:						
Male						
Female						
Wage paid in cash:						
Male						
Female						

²¹ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

Wage paid in kind ²⁹: Male			
	Female		

10. D Harvesting

Main crop name:	1.		2.		3.	
Harvested quantity of 'main' crop:						
Bag size						
No. of bags full						
'main' crop cutting:	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.)						
Person(s) needed (separate):						
Male						
Female						
Of which hired labor:						
Male						
Female						
Wage in cash:						
Male						
Female						
Wage in kind ²²:						
Male						
Female						
Contract payment (Rs.):						
Harvested quantity of 'mixed' crop:						
Bag size						
No. of bags full						
'mixed' crop cutting:						
Is it done separately from 'main' crop? (Yes = 1, No = 0)						
How many times?	Labor	Machine	Labor	Machine	Labor	Machine
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.)						
Person(s) needed:						
Male						
Female						
Of which hired labor:						
Male						
Female						

²² Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

Wage in cash: Male Female Wage in kind ²³: Male Female						
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.)						
Person(s) needed:						
Male						
Female						
Of which hired labor:						
Male						
Female						
Wage in cash:						
Male						
Female						
Wage in kind ²⁴:						
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)						

11. Now, provide details on revenues earned from your crops and their byproducts (if any) grown in **Rabi 2013-14** season. [*INTERVIEWER, mention unit of sales.*]

	1.	2.	3.
Where did you sell 'main' crop? To whom ²⁵ ?			
Quantity sold			
Received price (Rs.)			
Quantity of 'mixed' crop sold			

²³ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

²⁴ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

²⁵ Options: 1 = private merchant inside village; 2 = private merchant outside village; 3 = market organized by the government (APMC); 4 = company; 5 = other.

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.)			

12. Some questions on your experience regarding crop conditions during **Rabi 2013-14** 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. Crop 1: Crop 2: Crop 3:	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 2014 ~

13. If you have grown any of the focus crops in **Summer 2014** season, please provide following information.

13. A Land preparation to interculture

Main crop name:	1.		2.		3.	
	Animal	Machinery	Animal	Machinery	Animal	Machinery
Plowing:						
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 ²⁶						
Expense on diesel (Rs.) if farmer used own tractor						

²⁶ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

Harrowing:	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 ²⁷						
Expense on diesel (Rs.) if farmer used own tractor						
Sowing/ Planting:						
Time of sowing (month, week)						
Quantity of homegrown seeds (kg)						
Source of purchased or gifted seeds ²⁸						
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						
Person(s) needed (separate):						
Male						
Female						
Of which hired labor:						
Male						
Female						
Wage in cash:						
Male						
Female						
Wage in kind ²⁹:						
Male						
Female						

²⁷ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

²⁸ Options: 1 = Dealer or trader; 2 = RSK; 3 = Karnataka Beej Nigam; 4 = NGO; 5 = other.

²⁹ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

Transplanting: 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 Person(s) needed (separate): Male Female Of which hired labor : Male Female Wage in cash: Male Female Wage in kind ³⁰: Male Female Contract payments (Rs.):	Ani./Hum.	Machinery	Ani./Hum.	Machinery	Ani./Hum.	Machinery
	Interculture: 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 Person(s) needed (separate): Male Female Of which hired labor: Male Female Wage in cash: Male Female Wage in kind ³⁷: Male Female	Ani./Hum.	Machinery	Ani./Hum.	Machinery	Ani./Hum.
Weeding: How many times? Days taken to complete once Hours of work per day Person(s) needed: Male Female						

³⁰ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

Of which hired labor: Male Female Wage in cash: Male Female Wage in kind ³⁸: Male Female			

13. B Fertilizer application & irrigation

Main crop name:	1.	2.	3.			
Type(s) of manure used ³¹						
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.)						
Labor use in manure application: Days taken to complete once Hours of work per day Person(s) needed: Male Female Of which hired labor: Male Female Wage paid in cash: Male Female Wage paid in kind ³²: Male Female						
Name/ types(s) of fertilizer used	1) 2)	1) 2)	1) 2)			
Quantity of fertilizer used:	1)	2)	1)	2)	1)	2)
	Bag size (kg)					
	No. of bags					
Price of fertilizer (Rs.)						
Labor use in fertilizer application: How many times?						

³¹ Options: 1 = Farmyard manure; 2 = Vermicompost

³² Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

Days taken to complete once					
Hours of work per day					
Person(s) needed:					
Male					
Female					
Of which hired labor:					
Male					
Female					
Wage paid in cash:					
Male					
Female					
Wage paid in kind :					
Male					
Female					
Name(s) of micro-nutrient used	1)	1)	1)	1)	
	2)	2)	2)	2)	
Quantity of micro-nutrient used:	1)	2)	1)	2)	1)
Bag size (kg)					2)
No. of bags					
Price of micro-nutrient (Rs.)					
Labor use in nutrients application:					
How many times?					
Days taken to complete once					
Hours of work per day					
Person(s) needed:					
Male					
Female					
Of which hired labor:					
Male					
Female					
Wage paid in cash:					
Male					
Female					
Wage paid in kind ³³:					
Male					
Female					
Is the land irrigated? (<i>Yes = 1, No = 0</i>)					
Labor use in irrigation:					
Source (borewell, canal etc.)					
How many times?					
Days taken to complete once					
Hours of work per day					
Person(s) needed:					
Male					
Female					
Of which hired labor:					
Male					
Female					

³³ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

Wage paid in cash: Male			
Wage paid in kind : Male			

13. 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: Bag/bottle size	1) 2)	1) 2)	1) 2)
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 Person(s) needed: Male Female Of which hired labor: Male Female Wage paid in cash: Male Female Wage paid in kind ³⁴: Male Female			
Name(s) of the herbicide used	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.)			
Labor use in herbicide application: How many times? Days taken to complete once Hours of work per day Person(s) needed each time: Male Female			

³⁴ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

Of which hired labor: Male Female Wage paid in cash: Male Female Wage paid in kind ⁴¹: Male Female			

13. D Harvesting

Main crop name:	1.		2.		3.	
Harvested quantity of 'main' crop: Bag size No. of bags full						
'main' crop cutting:	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.)						
Person(s) needed (separate):						
Male						
Female						
Of which hired labor:						
Male						
Female						
Wage in cash:						
Male						
Female						
Wage in kind ³⁵:						
Male						
Female						
Contract payment (Rs.)						
Harvested quantity of 'mixed' crop:						
Bag size						
No. of bags full						
'mixed' crop cutting:						
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						
Machine or labor? (Yes = 1, No = 0)						
How many rented machine?						
Expense on machine power (Rs.)						
Person(s) needed:						
Male						
Female						

³⁵ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

Of which hired labor:						
Male						
Female						
Wage in cash:						
Male						
Female						
Wage in kind ³⁶:						
Male						
Female						

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.)						
Person(s) needed:						
Male						
Female						
Of which hired labor:						
Male						
Female						
Wage in cash:						
Male						
Female						
Wage in kind ³⁷:						
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)						

14. Now, provide details on revenues earned from your crops and their byproducts (if any) grown in **Summer 2014** season. [*INTERVIEWER, mention unit of sales.*]

	1.	2.	3.
Where did you sell the main crop? To whom ³⁸ ?			
Quantity sold			
Received price (Rs.)			

³⁶ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

³⁷ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

³⁸ Options: 1 = private merchant inside village; 2 = private merchant outside village; 3 = market organized by the government (APMC); 4 = company; 5 = other.

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.)			

15. Some questions on your experience regarding crop conditions during **Summer 2014** 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. Crop 1: Crop 2: Crop 3:	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>Loss:</i>
	<i>Crop 2:</i>	<i>Loss:</i>
	<i>Crop 3:</i>	<i>Loss:</i>

Dairy & Irrigation

16. 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 ³⁹						
Age						
No. of births given (till date)						
When did it give birth last time?						
Current week's milk yield per day						

17. Some questions on your experience regarding dairy farming conditions ...

Did cattle suffer from any disease?	[0] No	[1] Yes
If dairy cattle did suffer from diseases, name them.	1)	
	2)	
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. <i>Select (✓)</i>	[1] < 10%	
	[2] 10–25%	
	[3] 25–50%	
	[4] > 50%	

18. Irrigation details ...

Crop			
Area under irrigation cover			
Source ⁴⁰			
Method ⁴¹			
Engine power of the pump (HP)			
Diameter of suction pipe			
Depth of well			
No. of irrigation (Total)			
No. of irrigation / Month:			
Water yield ⁴² (write unit)			
No. of irrigation / Month:			
Water yield			
No. of irrigation / Month:			
Water yield			
No. of irrigation / Month:			
Water yield			
No. of irrigation / Month:			
Water yield			

³⁹ Options: 1 = local; 2 = pure-breed HF; 3 = Jersey; 4 = cross-breed

⁴⁰ Options: 1 = open well; 2 = tube well; 3 = bore well; 4 = canal; 5 = tank; 6 = other

⁴¹ Options: 1 = drip; 2 = sprinkler; 3 = surface; 4 = other

⁴² Water yield is in inch (height of the standing water) or gallons per hour