

Questionnaire for Farm Survey, June 2015 – May 2016

TALUKA: Siriguppa. GP: _____

VILLAGE: _____

HOUSEHOLD ID:

| | | | | | |
|--|--|--|--|--|--|
| | | | | | |
|--|--|--|--|--|--|

| | |
|--|--|
| INTERVIEWER complete before starting the questionnaire: Interviewer Name: _____ Date of farmer interview # 1: _____ / _____ / _____ Date of farmer interview # 2: _____ / _____ / _____ Date of farmer interview # 3: _____ / _____ / _____ | |
|--|--|

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 ¹ | Occupation ² | |
|---------------|----------------------------|-----|-------------|------------------------|-------------------------|-----------|
| | | | | | Primary | Secondary |
| i. Farmer | xx | | | | 1 | |
| ii. | | | | | | |
| iii. | | | | | | |
| iv. | | | | | | |
| v. | | | | | | |
| vi. | | | | | | |
| vii. | | | | | | |
| viii. | | | | | | |
| ix. | | | | | | |
| x. | | | | | | |
| xi. | | | | | | |
| xii. | | | | | | |
| xiii. | | | | | | |
| xiv. | | | | | | |
| xv. | | | | | | |

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

² 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 **2015-16**? [*INTERVIEWER, ask these questions for all types of farming. Write '0' in case the farmer is not involved in a specific type. Write the no. of years for experience otherwise.*]

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

2.2 Did you practice mixed cropping in **2015-16**? 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.*]

| | 2015 Kharif | 2015-16 Rabi | 2016 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.*]

| | 2015 Kharif | 2015-16 Rabi | 2016 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]*

| | 2015 Kharif | | 2015-16 Rabi | | 2016 Summer | |
|---------------------------------------|--------------|----------|--------------|----------|--------------|----------|
| Are you landlord/owner? (Yes = 1) | | | | | | |
| Crop grown under sharecropping | | | | | | |
| | Value | % | Value | % | Value | % |
| Cultivator/owner's share in output | | | | | | |
| Cultivator/owner's share in expenses: | | | | | | |
| Seed | | | | | | |
| Tractor | | | | | | |
| Water/ irrigation | | | | | | |
| Human labor | | | | | | |
| Animal labor | | | | | | |
| Manure | | | | | | |
| Fertilizer | | | | | | |
| Thresher | | | | | | |
| Other () | | | | | | |

2.6 Provide data on land transactions that took place in 2015 - 2016.

| | June 2015 – May 2016 | Kharif 2015 | Rabi 2015-16 | Summer 2016 |
|-------------------------------------|----------------------|-------------|--------------|-------------|
| Land purchased (acre & gunta) | | | | |
| Type of land purchased ³ | | | | |
| Total amount paid (Rs.) | | | | |
| Land sold (acre & gunta) | | | | |
| Reason for sale ⁴ | | | | |
| Type of land sold ³ | | | | |
| Total amount obtained (Rs.) | | | | |
| Gifts obtained (acre & gunta) | | | | |
| Gifts given (acre & gunta) | | | | |

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

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

2.7 Questions on land quality assessment.

| | |
|--|---|
| Did you get soil testing done after May 2015 ? Please select (✓) | [0] No [1] Yes |
| If YES, who tested it? Please select from the list ⁵ 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 | Rent | Item | Purchase Or Rent ? | Purchase year | Price | Rent |
|--------------|--------------------------|---------------|-------|------|--------------|--------------------------|---------------|-------|------|
| | | | Rs. | Rs. | | | | Rs. | 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 | | | |

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 2015**. [**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 ⁶ | Ratio | Planted area | Production |
|----------------|------|---------------|---------|-------------------------|-------|--------------|------------|
| Kharif (2015) | i. | | | | | | |
| | ii. | | | | | | |
| | iii. | | | | | | |
| | iv. | | | | | | |
| | v. | | | | | | |
| Rabi (2015-16) | i. | | | | | | |
| | ii. | | | | | | |
| | iii. | | | | | | |
| | iv. | | | | | | |
| | v. | | | | | | |
| Summer (2016) | i. | | | | | | |
| | ii. | | | | | | |
| | iii. | | | | | | |

2.10 Which crops are you planning to cultivate in **Kharif 2016**?

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

⁶ If the mixed Crop is also a focus crop then list the mixed crop separately under Crop.

~ KHARIF 2015 ~

2.11 If you have grown any of the focus crops ⁷ in **2015 Kharif** season, please provide following information on each stage of production. [**INTERVIEWER**, choose the crops from the list in 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. ⁸ | |
|--|--------|-----------|--------|-----------|-----------------|-----------|
| | 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 ⁹ | | | | | | |
| Expense on diesel (Rs.) if farmer used own tractor | | | | | | |
| 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 ⁹ | | | | | | |
| 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 ¹⁰ | | | | | | |
| Quantity of purchased or gift seeds: | | | | | | |
| Bag size (kg) | | | | | | |
| No. of bags | | | | | | |
| Price of purchased seeds (Rs.) | | | | | | |
| Expense on seedlings (Rs.) | | | | | | |

⁷ Focus crops: Paddy, Redgram, Cotton, Sunflower, Horse gram, Chilli and Bengal gram.

⁸ If there are more than three focus crop then use additional questionnaire.

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

¹⁰ Options: 1 = Dealer or trader; 2 = RSK; 3=Karnataka Beej Nigam; 4=NGO; 5=other

| | | | | | | |
|---|-----------------------|-----------|-----------|-----------|-----------|-----------|
| 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 kind¹¹: Male Female | Animal | Machinery | Animal | Machinery | Animal | Machinery |
| | | | | | | |
| | | | | | | |
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| | | | | | | |
| | | | | | | |
| | Transplanting: | 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 | | | | | | |
| Person(s) needed (separate): | | | | | | |
| Male | | | | | | |
| Female | | | | | | |
| Of which hired labor : | | | | | | |
| Male | | | | | | |
| Female | | | | | | |
| Wage in cash: | | | | | | |
| Male | | | | | | |
| Female | | | | | | |
| Wage in kind¹¹: | | | | | | |
| Male | | | | | | |
| Female | | | | | | |
| Interculture: | 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 | | | | | | |

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

| | | | | | | |
|------------------------------------|--|--|--|--|--|--|
| Of which hired labor: | | | | | | |
| Male | | | | | | |
| Female | | | | | | |
| Wage in cash: | | | | | | |
| Male | | | | | | |
| Female | | | | | | |
| Wage in kind ¹³: | | | | | | |
| 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 ¹³: | | | | | | |
| Male | | | | | | |
| Female | | | | | | |

2.11.B Fertilizer application & irrigation

| Main crop name: | 1. | 2. | 3. |
|--|-----------|-----------|-----------|
| Type(s) of manure used ¹² | | | |
| 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.) | | | |
| 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 ¹³: | | | |
| Male | | | |
| Female | | | |

¹² Options: 1 = Farmyard manure; 2 = Vermicompost

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

| | | | | | | | | | | | | |
|---|----------------------|----|----|----|----------------------|----|----|----|----------------------|----|----|----|
| Main crop name: | 1. | | | | 2. | | | | 3. | | | |
| 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.) | | | | | | | | | | | | |
| 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 kind¹⁴: | | | | | | | | | | | | |
| Male | | | | | | | | | | | | |
| Female | | | | | | | | | | | | |
| Name(s) of micro-nutrient used | 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.) | | | | | | | | | | | | |
| 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 kind¹⁴: | | | | | | | | | | | | |
| Male | | | | | | | | | | | | |
| Female | | | | | | | | | | | | |

¹⁴ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

| Main crop name: | 1. | 2. | 3. |
|---|-----------|-----------|-----------|
| 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 kind¹⁵: | | | |
| Male | | | |
| Female | | | |

2.11.C Plant protection

| Main crop name: | 1. | | | | 2. | | | | 3. | | | |
|--|----------------------|----|----|----|----------------------|----|----|----|----------------------|----|----|----|
| 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.) | | | | | | | | | | | | |
| Labor use in 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 kind¹⁵: | | | | | | | | | | | | |
| Male | | | | | | | | | | | | |
| Female | | | | | | | | | | | | |

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

| Main crop name: | 1. | | 2. | | 3. | |
|--|-----------|----|-----------|----|-----------|----|
| 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 | | | | | | |
| Wage paid in kind ¹⁶: | | | | | | |
| Male | | | | | | |
| Female | | | | | | |

2.11.D Harvesting

| Main crop name: | 1. | | 2. | | 3. | |
|-------------------------------------|-----------|---------|-----------|---------|-----------|---------|
| Harvested quantity of 'main' crop: | | | | | | |
| Bag size | | | | | | |
| No. of bags full | | | | | | |
| Time of harvesting (month, week) | | | | | | |
| '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 ¹⁶: | | | | | | |
| Male | | | | | | |
| Female | | | | | | |
| Mixed crop name: | 1. | | 2. | | 3. | |
| Harvested quantity of 'mixed' crop: | | | | | | |
| Bag Size | | | | | | |
| No. of bags full | | | | | | |

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

| | | | | | | |
|---|-------------------------------------|---------|-------|---------|-------|---------|
| '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 ¹⁷: | | | | | | |
| Male | | | | | | |
| Female | | | | | | |
| Transportation cost till yard (Rs.) | | | | | | |
| Threshing & winnowing: 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 ¹⁷: Male Female | 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 ¹⁷: | | | | | | |
| 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) | | | | | | |

¹⁷ 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 2015** season. [*INTERVIEWER, mention unit of sales.*]

| Main crop name: | 1. | 2. | 3. |
|---|-----------|-----------|-----------|
| Where did you sell the main crop? To whom ¹⁸ ? | | | |
| 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 2015** 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. | Crop 1: Crop 2: Crop 3: | Loss: Loss: Loss: |

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2.14.A Land preparation to inter-culture

| Main crop name: | 1. | | 2. | | 3.¹⁹ | |
|--|-----------|-----------|-----------|-----------|------------------------|-----------|
| | 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 ²⁰ | | | | | | |
| Expense on diesel (Rs.) if farmer used own tractor | | | | | | |

¹⁸ Options: 1 = private merchant inside village; 2 = private merchant outside village; 3 = market organized by the government (APMC); 4 = company; 5 = other.

¹⁹ If there are more than three focus crop then use additional questionnaire.

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

| Main crop name: | 1. | | 2. | | 3. | |
|--|--------|-----------|--------|-----------|--------|-----------|
| | Animal | Machinery | Animal | Machinery | Animal | Machinery |
| 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 ²² | | | | | | |
| 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 ²¹ | | | | | | |
| 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 ²²: | | | | | | |
| Male | | | | | | |
| Female | | | | | | |

²¹ Options: 1 = Dealer or trader; 2 = RSK; 3 = Karnataka Beej Nigam; 4 = NGO; 5 = other.

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

| Main crop name: | 1. | | 2. | | 3. | |
|--------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Ani./Hum. | Machinery | Ani./Hum. | Machinery | Ani./Hum. | 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 ²³: | | | | | | |
| Male | | | | | | |
| Female | | | | | | |
| Interculture: | 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 ²³: | | | | | | |
| 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 ²³: | | | | | | |
| Male | | | | | | |
| Female | | | | | | |

²³ 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 ²⁴ | | | |
| 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.) | | | |
| 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 ²⁵: | | | |
| 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.) | | | |
| 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 ²⁵: | | | |
| Male | | | |
| Female | | | |

²⁴ Options: 1 = Farmyard manure; 2 = Vermicompost

²⁵ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

| Main crop name: | 1. | | 2. | | 3. | |
|---|-----------|----|-----------|----|-----------|----|
| Name(s) of micro-nutrient used | 1) | | 1) | | 1) | |
| | 2) | | 2) | | 2) | |
| Quantity of micro-nutrient used: | 1) | 2) | 1) | 2) | 1) | 2) |
| Bag size (kg) | | | | | | |
| No. of bags | | | | | | |
| Price of micro-nutrient (Rs.) | | | | | | |
| 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 kind²⁶: | | | | | | |
| 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 kind²⁶: | | | | | | |
| Male | | | | | | |
| Female | | | | | | |

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

2.14.C Plant protection

| Main crop name: | 1. | | | | 2. | | | | 3. | | | |
|---|----------------------|----|----|----|----------------------|----|----|----|----------------------|----|----|----|
| Name(s) of the insecticide/ fungicide used | 1) 2) 3) 4) | | | | 1) 2) 3) 4) | | | | 1) 2) 3) 4) | | | |
| Quantity of insecticide/ fungicide used: Bag/bottle size | 1) | 2) | 3) | 4) | 1) | 2) | 3) | 4) | 1) | 2) | 3) | 4) |
| No. of bags/bottle | | | | | | | | | | | | |
| Price of insecticide/ fungicide (Rs.) | | | | | | | | | | | | |
| Labor use in 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 kind²⁷: | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | |
| Wage paid in kind²⁷: | | | | | | | | | | | | |
| Male | | | | | | | | | | | | |
| Female | | | | | | | | | | | | |

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

2.14.D Harvesting

| Main crop name: | 1. | | 2. | | 3. | |
|---|-------|---------|-------|---------|-------|---------|
| Harvested quantity of 'main' crop: Bag size | | | | | | |
| No. of bags full | | | | | | |
| Time of harvesting (month, week) | | | | | | |
| '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 ²⁸: | | | | | | |
| Male | | | | | | |
| Female | | | | | | |
| Mixed crop name: | 1. | | 2. | | 3. | |
| 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 ²⁸: | | | | | | |
| Male | | | | | | |
| Female | | | | | | |

²⁸ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

| Main crop name: | 1. | | 2. | | 3. | |
|--|-------|---------|-------|---------|-------|---------|
| 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 kind²⁹: | | | | | | |
| 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 2015-16** season. [*INTERVIEWER, mention unit of sales.*]

| | 1. | 2. | 3. |
|---|----|----|----|
| Where did you sell 'main' crop? To whom ³⁰ ? | | | |
| 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.) | | | |

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

³⁰ Options: 1 = private merchant inside village; 2 = private merchant outside village; 3 = market organized by the government (APMC); 4 = company; 5 = other.

2.16 Some questions on your experience regarding crop conditions during **Rabi 2015-16** 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) 2) 1) 2) 1) 2) |
| Did crops suffer from weed problem? | [0] No [1] Yes |
| Any other problem? (specify) | [0] No [1] Yes |
| Do you think that abnormal rainfall and/or other problems mentioned above have resulted into lower crop production? If so, provide estimate of damage in crop production (with unit). The benchmark is the yield what farmer expects. | <i>Crop 1:</i> Loss: <i>Crop 2:</i> Loss: <i>Crop 3:</i> Loss: |

~ **SUMMER 2016** ~

2.17.A Land preparation to inter-culture

| Main crop name: | 1. | | 2. | | 3. ³¹ | |
|---|--------|-----------|--------|-----------|------------------|-----------|
| | 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 ³² 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 ³² Expense on diesel (Rs.) if farmer used own tractor | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

³¹ If there are more than three focus crop then use additional questionnaire.

³² 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 ³³ | | | | | |
| 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 | | | | | |
| Person(s) needed (separate): | | | | | |
| Male | | | | | |
| Female | | | | | |
| Of which hired labor: | | | | | |
| Male | | | | | |
| Female | | | | | |
| Wage in cash: | | | | | |
| Male | | | | | |
| Female | | | | | |
| Wage in kind ³⁴: | | | | | |
| Male | | | | | |
| Female | | | | | |
| Transplanting: | 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 | | | | | |
| Person(s) needed (separate): | | | | | |
| Male | | | | | |
| Female | | | | | |
| Of which hired labor : | | | | | |
| Male | | | | | |
| Female | | | | | |
| Wage in cash: | | | | | |
| Male | | | | | |
| Female | | | | | |
| Wage in kind ³⁴: | | | | | |
| Male | | | | | |
| Female | | | | | |

³³ Options: 1 = Dealer or trader; 2 = RSK; 3 = Karnataka Beej Nigam; 4 = NGO; 5 = other.

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

| Interculture: | 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 ³⁵: | | | | | | |
| 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 ³⁵: | | | | | | |
| Male | | | | | | |
| Female | | | | | | |

2.17.B Fertilizer application & irrigation

| Main crop name: | 1. | 2. | 3. |
|--|-----------|-----------|-----------|
| Type(s) of manure used ³⁶ | | | |
| 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.) | | | |

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

³⁶ Options: 1 = Farmyard manure; 2 = Vermicompost

| | | | | | | | | | | | | |
|---|----------------------|----------------------|----------------------|----|----|----|----|----|----|----|----|----|
| Main crop name: | 1. | 2. | 3. | | | | | | | | | |
| 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 ³⁷: | | | | | | | | | | | | |
| 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.) | | | | | | | | | | | | |
| 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 ³⁷: | | | | | | | | | | | | |
| Male | | | | | | | | | | | | |
| Female | | | | | | | | | | | | |
| Name(s) of micro-nutrient used | 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.) | | | | | | | | | | | | |

³⁷ 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 ³⁸: | | | |
| 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 ³⁸: | | | |
| Male | | | |
| Female | | | |

2.17.C Plant protection

| Main crop name: | 1. | | | | 2. | | | | 3. | | | |
|--|-----------|----|----|----|-----------|----|----|----|-----------|----|----|----|
| 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.) | | | | | | | | | | | | |

³⁸ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

| | | | | | | |
|--|-----------|-----------|-----------|----|----|----|
| Labor use in 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 kind³⁹: Male Female | | | | | | |
| | | | | | | |
| | | | | | | |
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| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| Main crop name: | 1. | 2. | 3. | | | |
| 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 kind³⁹: Male Female | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
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| | | | | | | |
| | | | | | | |
| | | | | | | |

³⁹ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

2.17.D Harvesting

| Main crop name: | 1. | | 2. | | 3. | |
|--|-----------|---------|-----------|---------|-----------|---------|
| Harvested quantity of 'main' crop: | | | | | | |
| Bag size | | | | | | |
| No. of bags full | | | | | | |
| Time of harvesting (month, week) | | | | | | |
| '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 ⁴⁰: | | | | | | |
| Male | | | | | | |
| Female | | | | | | |
| Mixed crop name: | 1. | | 2. | | 3. | |
| 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 ⁴⁰: | | | | | | |
| Male | | | | | | |
| Female | | | | | | |

⁴⁰ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

| Main crop name: | 1. | | 2. | | 3. | |
|-------------------------------------|-------|---------|-------|---------|-------|---------|
| 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 ⁴¹: | | | | | | |
| 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 2016** season. [*INTERVIEWER, mention unit of sales.*]

| | 1. | 2. | 3. |
|---|----|----|----|
| Where did you sell the main crop? To whom ⁴² ? | | | |
| 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.) | | | |

⁴¹ Options: B = Breakfast; L = Lunch; A = Alcohol; T = Tea

⁴² Options: 1 = private merchant inside village; 2 = private merchant outside village; 3 = market organized by the government (APMC); 4 = company; 5 = other.

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

2.20 Irrigation details:

| Crop | Kharif 2015 | Rabi 2015 - 16 | Summer 2016 |
|-------------------------------|-------------|----------------|-------------|
| 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 2015 – May 2016**

| Animal | No. in June 2015 | No. in March 2016 | Animal | No. in June 2015 | No. in March 2016 |
|---------|------------------|-------------------|----------------|------------------|-------------------|
| 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 June 2015 – May 2016 (Rs.): | |
| Artificial insemination | |
| Vaccination | |
| De-worming | |
| Medicine & doctor fee | |
| Other (specify): | |

2.23 Labor utilization and charges for dairy farming (**June 2015 to May 2016**)

| 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 ⁴³ | | | | | | |
| Age | | | | | | |
| No. of births given (till date) | | | | | | |
| When did it give birth last time? | | | | | | |
| Current week's milk yield per day | | | | | | |

⁴³ 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 last week is consumed at home? | |
| Where do you sell milk? | |
| Quantity of milk sold (Last week) | |
| Price received (Rs.) (Last week) | |
| Any byproduct(s) sold? Name them. Value of sales (Rs.) (Last week) | |

2.26 Some questions on your experience regarding dairy farming conditions during **June 2015 to May 2016**. Please select (✓) the correct answer for the following questions.

| | | |
|---|------------|------------|
| Do you think summer in 2015 – 16 had normal temperature? | [0] No | [1] Yes |
| If it was NOT a normal summer, was average temperature HIGH or LOW compared to the normal? Please select (✓) | [1] High | [2] Low |
| Did you get enough feed and fodder for cows (June'15 – May'16)? | [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 2015 – May 2016**.

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

2.28 Provide data on livestock transactions in these seasons.

| | Summer 2015 | Kharif 2015 | Rabi 2015 – 16 | Summer 2016 |
|--------------------------------|-------------|-------------|----------------|-------------|
| Animal ⁴⁴ purchased | | | | |
| No. of units | | | | |
| Breed ⁴⁵ | | | | |
| Purchase price (unit) | | | | |
| Animal ⁴⁴ sold | | | | |
| No. of units | | | | |
| Sale price (per unit) | | | | |
| Breed ⁴⁵ | | | | |
| Reason for sale ⁴⁶ | | | | |

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. |

⁴⁴ Options: 1 = cow; 2 = buffalo; 3 = goat; 4 = chicken; 5 = other (please specify in the box).

⁴⁵ Options: 1 = local; 2 = pure or outside; 3 = mixed.

⁴⁶ Options: 1 = drought; 2 = health issues; 3 = difficulty to manage; 4 = family needs (marriage etc.); 5 = other.

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 Summer 2015, Kharif 2015, Rabi 2015-16, Summer 2016 , seasons? [Please write name and the source of information ⁴⁷ for each crop.] | Crop | Source |
| | i. | |
| | ii. | |
| | iii. | |
| | iv. | |
| | v. | |
| How many visits did you make to RSK or KVK in Summer 2015, Kharif 2015, Rabi 2015-16, Summer 2016 seasons? | | |
| What were the reasons for visiting RSK/ KVK? [Please select the options that are true (√). In case you choose 3, please specify it.] | [1] To collect seed & fertilizer [2] To obtain information on agricultural practices & training [3] Other: | |
| Did you get educational pamphlets on latest technology, management practices or pest control from RSK/ KVK? | [0] No [1] Yes | |
| Did you participate in any farmer training in Summer 2015, Kharif 2015, Rabi 2015-16, Summer 2016 seasons? | [0] No [1] Yes | |
| If Yes , when, where, for how long and on what aspects of farming? | Year & Place: Organization: Subject: Duration: | |
| If you attended training sessions , 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 | |
| If you did not attend , for what reason(s)? Please select (√) the appropriate option. In case you choose 3, please specify it. | [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/University) in Summer 2015, Kharif 2015, Rabi 2015-16, Summer 2016 ? | [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 Summer 2015, Kharif 2015, Rabi 2015-16, Summer 2016 ? | | |
| Did you receive information about the forecasted date of onset of the rainy season? If Yes, please write the source(s) of information (See note 47). | [0] No [1] Yes | |
| Did you receive information about the forecasted amount of rain from this source before the planting season? | [0] No [1] Yes | |

⁴⁷ Options: 1 = Input dealer or traders; 2 = RSK; 3 = KVK; 4 = NGO; 5 = Media (i.e. Radio/ T.V./ Newspaper); 6 = Marketing board SMS service; 7 = Farm magazines like Annadata, Krishimunnade, Krishimitra or Sirisamrudhhi; 8 = Farmers within your village; 9 = Farmers outside your village; 10 = Kissan Call Center; 11 = Veterinary hospital; 12 = Co-operative society; 13 = Glasgow- ISEC Project Staff ; 14 = Others (please, specify)

| | |
|---|-------------------|
| Have you anytime used the Weather Information Helpline Numbers ? | [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** ⁴⁸ you grow (the crop which had largest acreage). Tell us about your opinion about status and role of available information and/or advisory services on (i) best management practices at various stages of production and (ii) marketing of the produce. Put 1 for “YES” and 0 for “NO” as the response to the questions appearing in the columns.

Season: **Kharif 2015** ; Crop: _____

| Information on: | Available? | Source (ref. note 47) | Available when required? | Is it adequate ? | Did you follow? | Are you satisfied? |
|--------------------------|------------|-----------------------|--------------------------|------------------|-----------------|--------------------|
| Land preparation | | | | | | |
| Micronutrient needs | | | | | | |
| Planting & transplanting | | | | | | |
| Weeding | | | | | | |
| Irrigation | | | | | | |
| Fertilizer application | | | | | | |
| Insecticide application | | | | | | |
| Harvesting | | | | | | |
| Storage | | | | | | |
| Value addition | | | | | | |
| Where to sell? | | | | | | |
| Market price | | | | | | |

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

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

⁴⁸ Our focus crops: Paddy, Redgram, Cotton, Sunflower, Horse gram, Chilli and Bengal gram.

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

| Information on: | Available? | Source (ref. note 47) | 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 (In the absence of problems like flood or drought)? | [0] No [1] Yes |
| If No , then in your opinion what information and/or service could help you to improve crop yield? [INTERVIEWER , ask the farmer to rank order (1 st & 2 nd) his requirements.] | 1 st : 2 nd : |
| 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? [INTERVIEWER , ask the farmer to rank order (1 st & 2 nd) his requirements.] | 1 st : 2 nd : |

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 2015 & 2016 ? Please write name and the source of information (see note 47) 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? Mention the sources of information from the list provided in note 47 if the answer is "Yes" . | [0] No [1] Yes | _____ |
| Have you taken pledge loan in 2015 & 2016? <i>If Yes, then name the organization and the crop.</i> | [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 47 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 2015 & 2016 ? | [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 | [0] No [1] Yes |
| Cattle insurance | [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 47 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 2015 & 2016? | [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 **2015 and 2016** ?

| | | |
|-------------|--|-------------------|
| 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 your learning about new technologies ...

| | | |
|------------|--|--------------------------------|
| Farmer # 1 | Name and village of the farmers within or outside the village from whom you receive farming related information? | Name: GP: Village: |
| | List all farming related information received from this farmer during June 2015/May 2016? | i. ii. iii. iv. v. |
| | Did you visit his farm in 2015/16 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? | Name: GP: Village: |
| | List all farming related information received from this farmer during June 2015/May 2016? | i. ii. iii. iv. v. |
| | Did you visit his farm in 2015/16 to learn about new technology use? | [0] No [1] Yes |

3.11 Membership: Are you member of ...

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

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'2015–May'2016**. Please select (✓) the appropriate options for the following questions.

| | |
|---|---|
| During last 12 months did your household suffer from any significant shortfall in total income? | [0] No [1] Yes |
| If YES, what was the source of that disturbance? [INTERVIEWER, if the farmer response is option [2], then ask for more detail and note it down.] | [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 ⁴⁹ 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'2015–May'2016**. 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 2015 to May 2016**)

| Member's name | Days worked in | | | | Avg. hrs/day | Income (Rs./day) | Source of job ⁵⁰ | Did he/she migrate ⁴⁹ in 2015-16? |
|---------------|----------------|-------------|--------------|-------------|--------------|------------------|-----------------------------|--|
| | Summer 2015 | Kharif 2015 | Rabi 2015-16 | Summer 2016 | | | | |
| | | | | | | | | [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 ⁵¹ | Did he/she migrate ⁴⁹ in 2015-16? |
|---------------|-------------|-------------|----------------|------------------|-------------------------------|--|
| | | | | | | [0] No [1] Yes |
| | | | | | | [0] No [1] Yes |
| | | | | | | [0] No [1] Yes |

⁴⁹ A migrant worker is someone who is absent from home for more than a month each year to work or to seek work.

⁵⁰ Options: 1 = inside the village; 2 = in another village

⁵¹ 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 ⁵² | Did he/she migrate in 2015-16? |
|---------------|-------------|-------------|----------------|------------------|-------------------------------|--------------------------------|
| | | | | | | [0] No [1] Yes |
| | | | | | | [0] No [1] Yes |
| | | | | | | [0] No [1] Yes |

4.4.4 Source: Income from own businesses [*INTERVIEWER, ask for March 2016 data.*]

| Member's name | Sale of products & services (Rs.) | Raw material purchased (Rs.) | Rent & interest (Rs.) | Labor charges (Rs.) | Location of job ⁵² | Did he/she migrate in 2015-16? |
|---------------|-----------------------------------|------------------------------|-----------------------|---------------------|-------------------------------|--------------------------------|
| | | | | | | [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.) |
|---------------------------|-----|--------------------------------|-----------------------|-----|--------------------------------|
| House with concrete floor | | | Steel trunk & almirah | | |
| Refrigerator | | | Car, Van, Jeep | | |
| Television | | | Motorbike, Scooter | | |
| Radio, Transistor | | | Bicycle | | |
| Telephone/ Mobile | | | VCD | | |
| Computer/Laptop | | | Other: | | |

4.6 In the past one month (**for example March 2016**), how much did your household consume of the following items, and what was the equivalent value in Rupees? [*INTERVIEWER, ask for all goods consumed, including own-produced, bought, gifts and received in-kind. Multiply unit price with quantity and write down the total monetary value under the column 'Value (Rs.)'. If quantity is not available, as in the case of electricity bill, put × for quantity and report the monetary value only.*]

| | Quantity | Value (Rs.) | | Quantity | Value (Rs.) |
|----------------------------------|----------|-------------|----------------------------|----------|-------------|
| Rice: Ration/ Society Market | | | Meat: Chicken Mutton | | |
| Wheat: Ration/ Society Market | | | Fish | | |

⁵² Options: 1 = inside the village; 2 = in another village; 3 = in urban area

| | Quantity | Value (Rs.) | | Quantity | Value (Rs.) |
|--|----------|-------------|---|----------|-------------|
| Bajra | | | Eggs (<i>No.</i>) | | |
| Jowar | | | Fruits: Banana Others | | |
| Barley | | | Vegetables | | |
| Ragi | | | Ready-made bread | | |
| Red gram /Tur | | | Sweets | | |
| Bengal gram | | | Milk (<i>Litres</i>) | | |
| 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. Magi) | | |
| 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'15 to March '16)**? (*Ask for all goods consumed, including own-produced, bought, gifts and received in-kind.*)

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

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 2015, 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?

- a) To know about a new crop variety/technology
- b) To know about market price
- c) To know about insect / disease management
- d) To know about rainfall/weather details
- e) To know about farm subsidies/ incentives
- f) To know about crop insurance
- g) To know about crop loan
- h) To know about weed control aspect
- i) 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 6.0 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)