**Basic Information**

No. of villages surveyed : 7

|  |  |  |
| --- | --- | --- |
| S.No | Name of village | No. of respondents |
| 1 | Mavina Bhavi | 21 |
| 2 | Bandisunkapur | 29 |
| 3 | Adavibhavi | 15 |
| 4 | Chitranal | 49 |
| 5 | Gundasagar | 48 |
| 6 | Bommanal | 12 |
| 7 | Bhiyapur | 36 |
|  | Total | 210 |

2 Respondents do not cultivate farm. Not considered in the final analysis

Bommanal village: Mallapa code : bo2

Bhiyapur village: Ramangowda code: bh20

|  |  |  |
| --- | --- | --- |
| S.No | Respondent relationship with owner | No. of respondents |
| 1 | Self | 18 |
| 2 | Wife | 9 |
| 3 | Husband | 4 |
| 4 | Daughter | 12 |
| 5 | Son | 47 |
| 6 | Relative | 120 |
|  | Total | 210 |

|  |  |  |
| --- | --- | --- |
| S.No | Respondent age group | No. of respondents |
| 1 | Young <31 years | 14 |
| 2 | Middle-Age 31-60 years | 130 |
| 3 | Old age >60 years | 65 |
| 4 | Blank | 1 |
|  | Total | 210 |

Categorization of farmer based on landholding

|  |  |
| --- | --- |
| Very small-scale farmer | <0.98 ha |
| Small scale farmer | 0.99-1.98 ha |
| Medium scale farmer | 1.99- 3.98 ha |
| Large scale farmer | 3.99 ha |

Respondents categorised based on landholding

|  |  |  |  |
| --- | --- | --- | --- |
| S.No | Scale of landholding | No. of respondents | % of respondents |
| 1 | Very small-scale farmer | 96 | 46% |
| 2 | Small scale farmer | 81 | 39% |
| 3 | Medium scale farmer | 27 | 13% |
| 4 | Large scale farmer | 4 | 2% |
|  | Total | 208 | 100% |

Average landholding: 1.26 ha

Median landholding: 1.08 ha

Cultivable land for 100% farmers is same as farmland

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S.No | Scale of landholding | Avg. income from agriculture | Avg. income/ ha | Respondents working as labour | other | Respondents not working | No. HH with agri income <Rs 50K p.a | No. HH with agri income Rs 50K- 1m p.a | No. HH with agri income Rs 1- 2.5 m p.a | No. HH with agri income Rs 2.5-5 m p.a | No. HH with agri-income >Rs 5m |
| 1 | Very small-scale farmer | 23343 | 27333 | 36 | 2 | 58 | 61 | 7 | 3 | 0 | 0 |
| 2 | Small scale farmer | 29764 | 13387 | 25 | 2 | 54 | 48 | 2 | 3 | 0 | 0 |
| 3 | Medium scale farmer | 170526 | 47306 | 5 |  | 22 | 12 | 3 | 4 | 1 | 1 |
| 4 | Large scale farmer | 50000 | 6472 | 1 |  | 3 | 1 | 3 | 0 | 0 | 0 |
|  | Total |  |  |  |  |  |  |  |  |  |  |

Respondent’s categorised by irrigation

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S.No | category | No. of respondents | % of respondents | Avg depth | Range of depth |
| 1 | Rainfed | 151 | 72.6% |  |  |
| 2 | Groundwater (tubewell/ borewell) | 55 | 26.4% | 170 ft | 20ft-350ft |
| 3 | Pond or farm tank | 2 | 1% | 10 ft | 10-20 ft |
| 4 | Farm bund | 0 | 0% |  |  |
|  | Total |  |  |  |  |

Respondent’s categorised by irrigation and landholding

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| S.No | Scale of landholding |  | # of respondents | Avg. income | # irrigation needs not met | # irrigation needs not sufficient | # irrigation needs met sufficiently |
| 1 | Very small-scale farmer | Not irrigated | 77 | 16750 | 77 |  |  |
| 2 | irrigated | 19 | 46200 | 1 | 18 | 0 |
| 3 | Small scale farmer | Not irrigated | 59 | 19642 | 59 |  |  |
|  | irrigated | 22 | 54182 |  | 1 | 21 |
| 3 | Medium scale farmer | Not irrigated | 14 | 249444 | 14 |  |  |
|  | irrigated | 13 | 99500 |  | 13 |  |
| 4 | Large scale farmer | Not irrigated | 1 | 70000 | 1 |  |  |
|  | irrigated | 3 | 40000 |  | 2 |  |
|  | Total |  |  |  |  |  |  |

Respondents with HP of pump

|  |  |  |  |
| --- | --- | --- | --- |
| S.No | category | No. of respondents | % of respondents |
| 1 | 3HP | 13 | 27% |
| 2 | 5HP | 34 | 71% |
| 3 | 7HP | 1 | 2% |
|  | Total | 48 |  |

Respondents using the pumps cropping season

|  |  |  |  |
| --- | --- | --- | --- |
| S.No | category | No. of respondents | % of respondents |
| 1 | Have pump but not using | 2 |  |
| 2 | Use it for 1 season (kharif) | 37 |  |
| 3 | Using it for 2 seasons | 12 |  |
| 4 | Using for all 3 seasons/ cash crops | 5 |  |
|  | Total | 56 |  |

Avg. usage of pumps in kharif season days: 46 for 5 hours per day

Avg usage of pumps in Rabi season days: 49 for 5 hours

Avg usage for cash crops is 50 days for 4.6 hours

Avg unit consumption in KWh: 959

Median unit consumption: 612 KWh

Total units: 44010 KWh

**Cropping pattern**

198 Respondents growing in season

|  |  |  |  |
| --- | --- | --- | --- |
| S.No | category | No. of respondents | % of respondents |
| 1 | Cash crop | 13 |  |
| 2 | Rabi | 22 |  |
| 3 | Kharif | 204 |  |

Kharif season (June-Oct) remains the main cropping season in the

**Cash Cropping pattern**

**Total respondents: 10**

**Plantation:** Silk, cotton, Guava, coconut

Type of soil and crop distribution

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No | category | No. of respondents | Types of crops | Type of fertilizer |
| 1 | Red | 11 | Silk, Cotton, guava, coconut | Urea 10.26.26, DAP 17.17.17, potassium |
| 2 | Black | 2 | Silk, cotton | Urea, DAP 17.17.17 |

Only 2 farmer is dependant on rainfall for cash crop

Total area under cash crop 13 ha

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S.No | crop | Total ha under crop | Total production in quintal | Avg. yield (kg/ha) | Avg yield irrigated | Avg yield not irrigated | avg. cost of cultivation per ha | Avg. value of crop / quintal | Avg. Income from the crop | Avg. fertilizer used/ha |
| 1 | Silk | 4.42 | 29 | 656 | 656 |  | Rs  67,873 | Rs  27396 | Rs 170000 | 814 kg/ha |
| 2 | Cotton | 6.82 | 55 | 807 | 700 | 813 | Rs  36,668 | Rs 7501 | Rs  50375 | 616 kg/ha |
| 3 | Guava | 1.8 | 20 | 1111 |  | 1111 | Rs 44,444 | Rs 6000 | Rs 1,20,000 | 667/ha |
| 4 | coconut | 0.4 | 800 coconut | 2000/ha |  | 2000/ha | Rs 25000 | Rs 30/coconut | Rs 24,000 |  |
|  |  |  |  |  |  |  |  |  |  |  |

India Cotton avg. yield 510 kg/ ha and Rs 6025

**Cropping pattern in Rabi season**

**Total respondents: 22**

**Plantation:** Chickpea, groundnut, Bajra, Towar, Jowar and Sunflower

Type of soil and crop distribution

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No | category | No. of respondents | Types of crops | Type of fertilizer |
| 1 | Red | 20 | Chickpea, groundnut, Bajra and Sunflower | 17.17.17DAP , Urea, 20.20.0 DAP, 20.20.0.10.26.26.DAP |
| 2 | Black | 2 | Groundnut | Urea, DAP 17.17.17 |

Only 1 farmer is dependent on rainfall for rabi crop

Total area under cash crop 26.2 ha

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S.No | crop | Total ha under crop | Total production in quintal | Avg. yield (kg/ha) | Avg yield irrigated | Avg yield not irrigated | avg. cost of cultivation per ha | Avg. value of crop / quintal | Avg. Income from the crop | Avg. fertilizer used/ha |
| 1 | Groundnut | 21.9 | 207 | 945 | 945 |  | Rs 23926 | Rs 4940 | Rs 52000 | 443/ ha |
| 2 | Chickpea | 2.4 | 86 | 3583 | 3583 |  | Rs 85000 | Rs 8333 | Rs 73333 | 138/ ha |
| 3 | Bajra | 0.8 | 20 | 2500 | 2500 |  | Rs 20000 | Rs 1,500 | Rs 30,000 | 625/ha |
| 4 | Sunflower | 0.8 | 12 | 1500 | 1500 |  | Rs 30000 | Rs 2500 | Rs 30000 | 625/ha |
| 5 | Jowar | 0.8 | 6 | 750 |  | 750 | Rs 5000 | Rs 2500 | Rs 15000 | 375/ha |

**Average groundnut yield 661 kg/ha price 6221.00 INR/Quintal**

**Cropping pattern in Khariff season**

**Total respondents: 204**

**Plantation:** Bajra, Chickpea, Greengram, groundnut, jowar, sunflower, towar, chilli

Type of soil and crop distribution

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S.No | category | No. of respondents | Types of crops | Type of fertilizer |
| 1 | Red | 96 | Chickpea, groundnut, Bajra and Sunflower | 17.17.17DAP , Urea, 20.20.0 DAP, 20.20.0.10.26.26.DAP |
| 2 | Black | 107 | Groundnut | Urea, DAP 17.17.17 |

173 farmer is dependent on rainfall for rabi crop

Total area under cash crop 168.4 ha

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S.No | crop | Total ha under crop | Total production in quintal | Avg. yield (kg/ha) | Avg yield irrigated | Avg yield not irrigated | avg. cost of cultivation per ha | Avg. value of crop / quintal | Avg. Income from the crop | Avg. fertilizer used/ha |
| 1 | Bajra | 28.7 | 264 | 808 | 726 | 1177 | Rs 225 | Rs 3264 | Rs 23503 | 331 |
| 2 | Towar | 98.69 | 544.4 | 551 | 705 | 599 | Rs  116 | Rs 5756 | Rs 25082.52 | 294 |
| 3 | Sunflower | 91.52 | 521 | 608 | 626 | 601 | Rs 163 | Rs 5137 | Rs  31240 | 6.1 |

Sunflower 709 kg/ha yield and price