## ANNUAL REPORT - 2019-20

(FOR THE PERIOD FROM 01 April 2019 TO 31 March 2020)

ICAR-K.H.Patil Krishi Vigyan Kendra, Hulkoti
Gadag district, Karnataka State
Pincode: 582205
Host Organisation: Agricultural Science Foundation, Hulkoti

## PART I-GENERAL INFORMATION ABOUT THE KVK

1.1. Name and address of KVK with phone, fax and e-mail

| KVK Address | Telephone | E mail | Web Address |  |
| :--- | :--- | :--- | :--- | :--- |
|  | Office | Fax |  |  |
| ICAR-K.H.Patil Krishi <br> Vigyan Kendra, Hulkoti, <br> Gadag dist. | $(08372) 289606$ <br> 1289325 | - | kvk.Gadag@icar.gov.in <br> kvkhulkoti@gmail.com | www.khpkvk.org |

1.2 .Name and address of host organization with phone, fax and e-mail

| Address | Telephone |  |  | E mail |
| :--- | :--- | :--- | :--- | :--- |
| nery | Office | Fax |  | Web Address |
| Agricultural Science | $(08372)$ | - | hulkotiasf@gmail.com | www.asf.ind.in |
| Foundation, Hulkoti | 289069 |  |  |  |
| Gadag dist. |  |  |  |  |

1.3. Name of the Programme Coordinator with phone \& mobile No

| Name | Telephone / Contact |  |  |
| :--- | :--- | :--- | :--- |
|  | Residence | Mobile | Email |
| Dr. L.G. Hiregoudar | - | 9448358772 | laxs1961@gmail.com |
|  |  | 8073642868 |  |

### 1.4. Year of sanction: 1985

| SI. <br> No. | Sanctio ned post | Name of the incumbent | Designation | $\begin{aligned} & \mathbf{M} \\ & 1 \\ & \mathbf{F} \end{aligned}$ | Discipline | Highest Qualificati on (for PC, SMS and Prog. Asstt.) | Pay Scale | Basic pay | Date of joining KVK |  | Categ ory (SC/S T/ OBC/ Others |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Head/ Senior Scientist | Dr. L.G. Hiregoudar | Programme Coordinator | M | Crop Physiology | M.Sc (Agri), PhD | $\begin{aligned} & \hline 37400- \\ & 67000+ \\ & 10000 \end{aligned}$ | 67000 | 05.09.1985 | P | OBC |
| 2 | Scientist /SMS | Mr. S.K. Mudlapur | Subject Matter Specialist | M | Plant Protection | B.Sc (Agri) | $\begin{aligned} & 15600- \\ & 39100+ \\ & 7600 \end{aligned}$ | 36280 | 26.09.1994 | P | OBC |
| 3 | Scientist /SMS | Mr. S.H. Adapur | Subject Matter Specialist | M | Ag. Extension | M.Sc (Agri) | $\begin{aligned} & 15600- \\ & 39100+ \\ & 7600 \end{aligned}$ | 35030 | 23.06.1995 | P | Others |
| 4 | Scientist /SMS | Dr. Sudha <br> V. Mankani | Subject Matter Specialist | F | Home Science | $\begin{aligned} & \text { M.H.Sc, } \\ & \text { PhD } \end{aligned}$ | $\begin{aligned} & 15600- \\ & 39100+ \\ & 7600 \end{aligned}$ | 35030 | 26.06.1995 | P | OBC |
| 5 | Scientist /SMS | Mr. V.D. Vaikunthe | Subject Matter Specialist | M | Agronomy | B.Sc (Agri) | $\begin{array}{\|l\|l\|} \hline 15600- \\ 39100+ \\ 7600 \\ \hline \end{array}$ | 35030 | 01.07.1995 | P | OBC |
| 6 | Scientist /SMS | Mr. N.H. Bhandi | Subject Matter Specialist | M | Soil Science | M.Sc <br> (Agri) | $\begin{array}{\|l\|} \hline 15600- \\ 39100+ \\ 6000 \\ \hline \end{array}$ | 27490 | 01.06.2005 | P | OBC |
| 7 | Scientist /SMS | Ms. H.R.Hirego udar | Subject Matter Specialist | F | Horticulture | M.Sc (Horti) | $\begin{aligned} & 15600- \\ & 39100+ \\ & 5400 \end{aligned}$ | 15600 | 14.02.2020 | P | OBC |
| 8 | Program me <br> Assistant <br> (Lab <br> Tech.) | Dr. B.M. Murgod | Programme Assistant | M | Animal Science | B.V. Sc | $\begin{array}{\|l} 9300- \\ 34800+ \\ 4600 \end{array}$ | 17100 | 25.06.2007 | P | Others |


| SI. <br> No. | $\begin{gathered} \text { Sanctio } \\ \text { ned } \\ \text { post } \end{gathered}$ | Name of the incumbent | Designation | $\begin{aligned} & \mathbf{M} \\ & / \\ & \mathbf{F} \end{aligned}$ | Discipline | Highest Qualificati on (for PC, SMS and Prog. Asstt.) | Pay Scale | Basic pay | Date of joining KVK |  | Categ ory (SC/S T/ OBC/ Others) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 9 | Program me Assistant (Comput er) | Mrs. <br> L.S.Asuti | Computer Programmer | F | - | M.Sc (IT) | $\begin{aligned} & 9300- \\ & 34800+ \\ & 4600 \end{aligned}$ | 18430 | 01.06.2005 | P | OBC |
| 10 | Program me Assistant / Farm Manager | Mr. Suresh L. <br> Halemani | Farm Manager | M | - | B.Sc <br> (Agri.) | $\begin{aligned} & 9300- \\ & 34800+ \\ & 4200 \end{aligned}$ | 14120 | 01.02.2011 | P | OBC |
| 11 | Assistant | Mr. M.B. Jakkanagou dar | Assistant | M | - | M.Com | $\begin{aligned} & 9300- \\ & 34800+ \\ & 4600 \end{aligned}$ | 17100 | 25.06.2007 | P | OBC |
| 12 | Jr. <br> Stenogr apher | Mr. T.K. Sai Swaroop Rao | Jr. Stenograph er | M | - |  <br> Certificate in Stenograp hy | $\begin{aligned} & 5200- \\ & 20200 \\ & +2400 \end{aligned}$ | 5670 | 15.12.2016 | P | OBC |
| 13 | Driver - 1 | Mr. N.L. Hadapad | Driver-CumMechanic | M | - | 7th Std. | $\begin{aligned} & 5200- \\ & 20200+ \\ & 2400 \end{aligned}$ | 13690 | 03.09.1992 | P | OBC |
| 14 | Driver - 2 | Mr. G.D. Madivalar | Driver-CumMechanic | M | - | 7th Std. | $\begin{aligned} & 5200- \\ & 20200+ \\ & 2400 \end{aligned}$ | 12320 | 26.06.1995 | P | OBC |
| 15 | SS-1 | Mr. V.R. Navalli | Field Assistant | M | - | SSLC | $\begin{aligned} & \text { 5200- } \\ & 20200+ \\ & 2400 \end{aligned}$ | 10700 | 20.07.1993 | P | OBC |
| 16 | SS-2 | Mrs. S. V. <br> Karadani | Field Assistant | F | - | PUC | 5200- $20200+$ <br> 1800 | 5200 | 14.02.2020 | P | OBC |

### 1.6. Total land with KVK (in ha): 28.0 ha

| S. <br> No. | Item | Area (ha) |
| :--- | :--- | :--- |
| 1 | Under Buildings | 1.5 |
| 2. | Under Demonstration Units | 0.5 |
| 3. | Under Crops | 12.0 |
| 4. | Orchard/Agro-forestry | 14.0 |
| 5. | Others | - |

### 1.7. Infrastructural Development:

A) Buildings

| $\begin{aligned} & \text { S. } \\ & \text { No. } \end{aligned}$ | Name of building | $\begin{array}{c\|} \hline \text { Source } \\ \text { of } \\ \text { funding } \end{array}$ | Stage |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Complete |  |  | Incomplete |  |  |
|  |  |  | Completion Date | $\begin{gathered} \text { Plinth } \\ \text { area } \\ \text { (Sq.m) } \end{gathered}$ | Expenditure (Rs. in lakhs) | Starting Date | $\begin{gathered} \text { Plinth } \\ \text { area } \\ \text { (Sq.m) } \end{gathered}$ | Status of construction |
| 1. | Administrative Building | ICAR | 1996 | 800 | 33.46 | - | - | - |
| 2. | Farmers Hostel | ICAR | 1997 | 550 | 17.26 | - | - | - |
| 3. | Staff Quarters | ICAR | 31-03-2006 | 400 | 25.82 | - | - | - |
|  | 1 |  |  |  |  |  |  |  |
|  | 2 |  |  |  |  |  |  |  |
|  | 3 |  |  |  |  |  |  |  |
|  | 4 |  |  |  |  |  |  |  |
|  | 5 |  |  |  |  |  |  |  |
|  | 6 |  |  |  |  |  |  |  |
| 4. | Demonstration Units |  |  |  |  |  |  |  |
|  | 1. Dairy | ICAR | 31-03-1997 | 50 | 4.00 | - | - | - |
|  | 2. Sheep \& goat | ICAR | 31-03-1997 | 50 | 2.63 | - | - | - |
|  | 3. Organic input production unit | ICAR | 31-03-2011 | 67 | 3.00 |  |  |  |
| 5 | Fencing | ICAR | 31-03-2011 |  | 8.00 |  |  |  |
| 6 | Rain Water harvesting system | ICAR | 31-03-2007 | - | 10.00 | - | - | - |
| 7 | Threshing floor | ICAR | 31-03-2011 | 278 | 2.00 | - | - | - |
| 8 | Farm godown | ICAR | 31-03-2011 | 70 | 3.00 | - | - | - |
| 9 | Vermi Compost | DDB | 31-03-2002 | 100 | 3.50 | - | - | - |
| 10 | Vehicle \& implement shed | ICAR | 31-03-2011 | 80 | 3.00 | - | - | - |

## B) Vehicles

| Type of vehicle | Year of purchase | Cost <br> (Rs. in lakhs) | Total kms. Run | Present status |
| :--- | :---: | :---: | :---: | :---: |
| Jeep <br> (Mahindra Bolero) | 2009 | 6.00 | 198214 | Good |
| Tractor | 2003 | 5.00 | 10426 Hrs | Need replacement |
| Motor cycle - I | 2004 | 0.40 | 70513 | Good |
| Motor cycle - II | 2009 | 0.50 | 55193 | Good |

## C) Equipment \& AV aids

| Name of the equipment | Year of purchase | Cost <br> (Rs. in lakhs) | Present status |
| :---: | :---: | :---: | :---: |
| Computer | 2008 | 1.00 | Good |
| Digital Amplifier with Public Address System | 2013 | 0.36 | Good |
| OHP | 2004 | 0.25 | Good |
| Motorised projection screen | 2013 | 0.21 | Good |
| White board | 2013 | 0.14 | Good |
| LED display board | 2013 | 0.10 | Good |
| Hipro lab model gin machine | 2006 | 0.70 | Good |
| Seed delinting machine | 2006 | 0.18 | Good |
| Cotton seed sorter | 2007 | 0.50 | Good |
| Seed treatment drum | 2007 | 0.40 | Good |
| Lap top Computer | 2007 | 0.53 | Not Good |
| LCD | 2007 | 0.45 | Good |
| Ceramic black board | 2007 | 0.12 | Good |
| Rotavator | 2008 | 0.75 | Good |
| Rotary weeder | 2009 | 0.84 | Good |
| Laser guided land leveler | 2011 | 3.89 | Good |
| Power tiller | 2011 | 2.72 | Good |
| Lab equipments for dairy and goatery | 2011 | 0.50 | Good |
| Generator | 2011 | 1.00 | Good |
| EPBAX system | 2011 | 0.50 | Good |
| Equipments of Plant health diagnostic unit | 2011 | 10.00 | Good |
| Laptop computer | 2016-17 | 0.589 | Good |
| Desktop computer | 2016-17 | 0.25 | Good |
| Printer | 2016-17 | 0.181 | Good |
| Copier | 2016-17 | 0.595 | Good |
| Projector | 2016-17 | 0.48 | Good |
| Digital camera | 2016-17 | 0.242 | Good |
| Pico projector | 2016-17 | 0.145 | Good |
| Amplifier | 2016-17 | 0.055 | Good |
| Class room chairs | 2016-17 | 0.21 | Good |
| File cabin | 2016-17 | 0.20 | Good |
| Hostel furniture | 2016-17 | 0.59 | Good |

1.8. Details of SAC meeting conducted during 2019-20


| Date | Number of Participants | Salient Recommendations | Action taken | $\begin{gathered} \hline \text { Remarks, } \\ \text { if any } \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
|  |  | Try less moisture requiring crops like Coriander, Ajwain and Cumin in this drought prone district. |  | The recomme |
|  |  | Develop few cropping patterns in KVK Farm which can double the income. |  | are for the year |
|  |  | Take up a trail on Bunch Groundnut in Mulagund area of Gadag block as farmers are getting very low yields due to small sized low weight pods since 3-4 years. |  | and these are included in the |
|  |  | Compare Safflower new variety ISF-764 with A-1 variety with respect to yield and oil content trough OFT (On-Farm Trial). |  | $\begin{aligned} & \text { Plan of } \\ & 2020-21 . \end{aligned}$ |
|  |  | Deputy Director, Sericulture Department offered his Department's collaboration in conducting trainings and in developing model Mulberry tree orchard at KVK. He suggested to popularize Sericulture among Organic Farmers. |  |  |
|  |  | Take up increased quantity of seed production in Onion and Chilli crops. |  |  |
|  |  | Take up plant propagation in Guava (Arka Kiran variety), Jasmine (Kakada variety), Mango and Cashewnut crops. |  |  |
|  |  | Advise farmers to grow Tamarind, Jamun, Custard Apple etc., so as to enhance area under these crops. Also advise for value addition in these crops. |  |  |
|  |  | Take up demonstrations of Tomato varieties Arka Rakshak and Arka Samrat. |  |  |
|  |  | Provide seeds of latest vegetables varieties to farmers. |  |  |
|  |  | Demonstrate Solar Dryer for Chilli/Vegetables etc., to farmers, so that the farmers can avail $40 \%$ subsidy for Solar Dryers from Horticulture Department. |  |  |
|  |  | Provide Agro-met advisories to farmers from University through KVK. |  |  |
|  |  | Develop IFS Model in $1 / 2$ acre land based on Farm Pond water. |  |  |
|  |  | Demonstrate Sunhemp crop new variety in the district as it is very valuable in industry. |  |  |
|  |  | Take up diagnostic visits at road side villages while travelling to KVK adopted villages and provide advisories to those villages also. |  |  |
|  |  | Send feedback of OFTs and FLDs to technologies generating Institutes like Agricultural University / ICAR Research Institutes. |  |  |

## PART II - DETAILS OF DISTRICT

2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

| S. No | Farming system/enterprise |
| :--- | :--- |
| Rainfed situation |  |
| 1 | Agricultural crops + Dairy enterprise |
| 2 | Agricultural crops + Horticultural crops |
| 3 | Agriculture + Horticulture + Dairy enterprise |
| Irrigated situation | Agriculture + Dairy enterprise |
| 1 | Agriculture + Horticulture + Dairy enterprise |
| 2 |  |
|  |  |

### 2.2 Description of Agro-climatic Zone \& major agro ecological situations (based on soil and

 topography)| S. No | Agro-climatic Zone | Characteristics |
| :---: | :---: | :---: |
| 1 | Northern Dry Zone-3 and Region-2 of the state | This zone comprises of Gadag, Ron, Mundaragi, Gajendragad and Naragund blocks. Rainfall ranges from $450-600 \mathrm{~mm}$ with $30-35$ rainy days mainly from June - September months. Maximum temperature ranges from $36-40^{\circ} \mathrm{c}$. This zone is drought prone. <br> Kharif crops grown: Greengram, Groundnut, Onion, Bt. Cotton Chilli, Sunflower, Maize etc <br> Rabi crops grown: Bengalgram, Rabi Sorghum, wheat, sunflower etc |
| 2 | Northern Semi Transitional Zone-8 and Region-4 of the state | This zone comprises of Shirahatti and Laxmeshwar blocks. Average rainfall is 619 mm . Gets rainfall from both South-West and North-East mansoons. Kharif crops grown: Greengram, Sorghum, Bt-cotton, Groundnut, Sunflower, Millets, Maize, Onion, Chilli etc Rabi crops grown:Rabi Sorghum, Sunflower, Bengal gram, Wheat etc |

2.3 Soil type/s

| S. No | Soil type | Characteristics | Area in <br> ha |
| :--- | :--- | :--- | ---: |
| 1 | Very shallow red gravelly <br> loam soils | Less water holding capacity with less runoff and high <br> infiltration rate, | 26,625 |
| 2 | Shallow red gravelly <br> mixed with deep black <br> soils | Less water holding capacity with moderate runoff and high <br> infiltration rate. It contains high sand percent. | 10,659 |
| 3 | Medium deep red clayey <br> soils | Moderate water holding capacity with less runoff and <br> moderate infiltration rate. It contains high clay percent. | 25,210 |
| 4 | Medium deep red <br> gravelly clay soils | Moderate water holding capacity with less runoff and high <br> infiltration rate. It contains high clay percent. | 63,163 |
| 5 | Deep red gravelly clay <br> soils | High water holding capacity with less runoff and less <br> infiltration rate. It contains high clay percent. | 8,290 |
| 6 | Medium deep black <br> clayey soils | Moderate water holding capacity with high runoff and less <br> infiltration | $1,50,117$ |
| 7 | Deep black clayey soils | More water holding capacity with low infiltration rate of water <br> \& clay content is more than 35 percent | 67,444 |
| 8 | Deep black calcareous <br> clayey soils | More water holding capacity with low infiltration rate and <br> high runoff. It contains more percent of Calcium | 92,238 |
| 9 | Deep alluvial black <br> clayey soils | More water holding capacity with low infiltration rate and <br> high run off. | 17,088 |
| 10 | Deep alluvial clayey soils <br> (salt affected in patches) | More water holding capacity, less infiltration rate and high <br> run off affects the seed germination | 1,053 |
|  |  |  | Total | $\mathbf{4 , 6 1 , 8 8 7}$|  |
| :--- |

2.4. Area, Production and Productivity of major crops cultivated in the district
(Reference year: 2015-16)

| $\begin{aligned} & \text { SI. } \\ & \text { No } \end{aligned}$ | Crop | Area (ha) | Production (Metric tons) | Productivity (Kg /ha) |
| :---: | :---: | :---: | :---: | :---: |
|  | Cereals |  |  |  |
| 1 | Maize (Protected irrigation) | 55364 | 184140 | 3326 |
| 2 | Rabi Sorghum | 62967 | 39606 | 629 |
| 3 | Wheat (Irrigated) | 16757 | 22504 | 1343 |
|  | Pulses |  |  |  |
| 4 | Greengram | 57368 | 25012 | 436 |
| 5 | Bengalgram | 85005 | 53893 | 634 |
| 6 | Redgram | 1540 | 870 | 565 |
|  | Oilseeds |  |  |  |
| 7 | Groundnut | 43433 | 27493 | 633 |
| 8 | Sunflower | 42025 | 19205 | 457 |
|  | Commercial crops |  |  |  |
| 9 | Bt. Cotton | 17812 | 13091 | 735 |
| 10 | Onion | 37227 | 152258 | 4.09 tonns |
| 12 | Dry chillies | 12382 | 6339 | 512 |

Source: District Statistical Office

### 2.5. Weather data

| Month | Rainfall (mm) | Temperature $^{0} \mathbf{C}$ |  | Relative Humidity (\%) |
| :--- | :---: | :---: | :---: | :---: |
|  |  | Maximum | Minimum |  |
| January, 2019 | 00.3 | 34.20 | 00.00 | 52.08 |
| February, 2019 | 00.2 | 39.50 | 10.30 | 51.97 |
| March, 2019 | 02.9 | 41.20 | 11.30 | 53.48 |
| April, 2019 | 22.4 | 43.30 | 17.10 | 54.92 |
| May, 2019 | 30.8 | 42.90 | 21.00 | 52.49 |
| June, 2019 | 79.0 | 41.50 | 19.20 | 65.54 |
| July, 2019 | 91.1 | 36.10 | 8.00 | 74.00 |
| August, 2019 | 132.9 | 34.30 | 19.40 | 75.00 |
| September, 2019 | 97.5 | 35.20 | 18.00 | 69.22 |
| October, 2019 | 206.0 | 34.00 | 18.30 | 72.95 |
| November, 2019 | 30.90 | 33.80 | 14.40 | 68.38 |
| December, 2019 | 02.90 | 34.30 | 13.80 | 66.18 |

* Source: KSDA, Gadag and Karnataka State Natural Disaster Monitoring Centre, Bengaluru
2.6. Production and Productivity of Livestock, Poultry, Fisheries etc. in the district

| Category | Population | Production |  |  | Productivity |
| :--- | :---: | :---: | :---: | :---: | :---: |
| Cattle | 15418 | 25968 Lit. of milk/day | $5.22 \mathrm{Kg} / \mathrm{day}$ |  |  |
| Crossbred | 158588 | 45944 Lit of milk/day | $2.40 \mathrm{Kg} / \mathrm{day}$ |  |  |
| Indigenous | 80234 | 64088 Lit. of milk/day | $2.80 \mathrm{Kg} / \mathrm{day}$ |  |  |
| Buffalo |  |  |  |  |  |
| Sheep | 313459 | 158 tons/year (meat) | $15 \mathrm{Kg} / \mathrm{animal}$ |  |  |
| Crossbred | 172411 | 134 tons/year (meat) | $16 \mathrm{Kg} / \mathrm{animal}$ |  |  |
| Indigenous |  |  |  |  |  |
| Goats |  |  |  |  |  |
| Pigs |  | 72 lakh/year | 100 per year |  |  |
| Crossbred |  |  |  |  |  |
| Indigenous |  |  |  |  |  |
| Rabbits |  |  |  |  |  |
| Poultry birds <br> (egg production) |  |  |  |  |  |

Source: District Statistical Office Reference year: 2013-14
Note: The data for the year 2019 is not available at District Statics Office / Office of Deputy Directory of AH \& VS
2.7 District profile has been Updated for 2019 : Yes (Latest available data is uploaded)

### 2.8 Details of Operational area / Villages

| SI. <br> No. | Taluk | Name of the village | How long the village is covered under operational area of the KVK | Major crops \& enterprises | Major problems identified | Identified Thrust Areas |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Gadag | Shirol | Since one year (Since 2019-20) | Crops: Bt.Cotton, Maize, Foxtail millet, vegetable crops \& flower crops Enterprise: CB Cows | Bt. Cotton : <br> - Low income due to mono cropping <br> - Incidence of sucking pest \& mirid bug <br> - Incidence of leaf spot \& leaf reddening <br> - Drudgery in harvesting | - Demonstration of Bt. Cotton + Greengram (1:1) intercropping system <br> - Demonstration of cotton harvesting bag <br> - Training on ICM in Bt.Cotton + Greengram <br> - Training on IPM in Bt. Cotton <br> - Supply of literature <br> - Conductance of Field day |
|  |  |  |  |  | Maize : <br> - Low income due to mono cropping <br> - Imabalanced nutrition <br> - Incidence of army worm <br> - Incidence of Turcicum leaf blight <br> - Drudgery during threshing and winnowing of Maize | - Demonstration on Maize + Redgram (4:2) intercropping system <br> - Training on ICM in Maize+Redgram intercropping system <br> - Training on IPM in Maize <br> - Supply of literature <br> - Demonstration on functional clothing kit <br> - Conductance of Field day <br> - Training on drudgery reduction |
|  |  |  |  |  | Foxtail millet : <br> - Low productivity due to cultivation of local variety <br> - Lack of awareness on importance of millet and value addition | - Demonstration of high yielding DHFt-109-3 foxtail millet variety <br> - Training on production technology of millet crops <br> - Training on importance of millets in diet <br> - Supply of literature <br> - Conductance of Field day |
|  |  |  |  |  | Vegetable crops : <br> - Low income due to cultivation of local varieties | - Demonstration of new varieties of ICAR-IIHR, Bengaluru in vegetable crops |


| SI. <br> No. | Taluk | Name of the village | How long the village is covered under operational area of the KVK | Major crops \& enterprises | Major problems identified | Identified Thrust Areas |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | - Training on ICM in vegetable crops <br> - Supply of literature <br> - Conductance of Field day |
|  |  |  |  |  | Flower crops : <br> - Low quality and low yields are due to imbalanced nutrients (loose flower buds and improper opening of flower buds and low shelf life) <br> - Low yield is also due to incidence of bud borer pest and leaf spot diseases | - Demonstration on ICM in Chrysanthemum and Gaillardia <br> - Training on ICM in flower crops <br> - Supply of literature <br> - Field day |
|  |  |  |  |  | Dryland horticulture : <br> - Less profit from existing cropping pattern due to vagaries of mansoon and lack of crop diversification | - Demonstration of Agrihorticulture system with Cashew crop <br> - Training on tree based farming system <br> - Supply of literature |
|  |  |  |  |  | Borewell : <br> - Decreased ground water level and less water availability for irrigation | - Training on recharge of ground water through borewell <br> - Supply of literature <br> - Field visit and interactive meetings at site |
|  |  |  |  |  | CB Cows: <br> - Low productivity of milk due to non-availability of green fodder throughout the year. | - Demonstration on fodder and azolla production, Hydroponic fodder production and silage making <br> - Supply of literature <br> - Field day |
|  |  |  |  |  | - Nutrition and health | - Demonstration on nutri-farms for year round nutritional security among farm families <br> - Training on balanced diet and nutrition <br> - Training on healthy foods for healthy life |


| SI. <br> No. | Taluk | Name of the village | How long the village is covered under operational area of the KVK | Major crops \& enterprises | Major problems identified | Identified Thrust Areas |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | - Training on importance of millets in diet |
|  |  |  |  |  | Grain storage : <br> - Incidence of stored grain pest | - Demonstration of Super grain bags <br> - Training on management of stored grain pests <br> - Home visits and interactive meetings <br> - Supply of literature <br> - Supply of super grain bags |
| 2 | Mundaragi block | Shingataray ankeri | Since one year (Since 2019-20) | Crops: Greengram, Bt.Cotton, Maize, Foxtail millet, Spreading Groundnut, vegetable crops \& flower crops Enterprise: CB Cows | Bt. Cotton : <br> - Low income due to mono cropping <br> - Incidence of sucking pest \& mirid bug <br> - Incidence of leaf spot \& leaf reddening <br> - Drudgery in harvesting | - Demonstration on Bt. Cotton + Greengram (1:1) intercropping system <br> - Training on ICM in Bt.Cotton + Greengram <br> - Training on IPM in Bt. Cotton <br> - Supply of literature <br> - Demonstration on cotton harvesting bag <br> - Field day |
|  |  |  |  |  | Maize : <br> - Low income due to mono cropping <br> - Imabalanced nutrition <br> - Incidence of army worm <br> - Incidence of Turcicum leaf blight <br> - Drudgery during threshing and winnowing of Maize | - Demonstration on Maize + Redgram (4:2) intercropping system <br> - Training on ICM in Maize+Redgram intercropping system <br> - Training on IPM in Maize <br> - Supply of literature <br> - Demonstration on Functional Clothing Kit <br> - Field day |
|  |  |  |  |  | Foxtail millet : <br> - Low productivity due to cultivation of local variety | - Demonstration of high yielding DHFt-109-3 foxtail millet variety <br> - Training on production technology of millet crops <br> - Supply of literature <br> - Field day |


| SI. No. | Taluk | Name of the village | How long the village is covered under operational area of the KVK | Major crops \& enterprises | Major problems identified | Identified Thrust Areas |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Spreading Groundnut : <br> - Low yield is due to incidence of leaf minor and leaf spot | - Training on ICM practices in Spreading Groundnut |
|  |  |  |  |  | Greengram : <br> - Low yield due to incidence of powdery mildew | - Demonstration on ICM practices in Greengram <br> - Training on ICM practices in Greengram <br> - Supply of literature <br> - Field day |
|  |  |  |  |  | Vegetable crops : <br> - Low income due to cultivation of low yielding local varieties | - Demonstration of new varieties of ICAR-IIHR, Bengaluru in vegetable crops <br> - Training on ICM practices in vegetable crops <br> - Supply of literature <br> - Field day |
|  |  |  |  |  | Flower crops : <br> - Low quality and low yields are due to imbalanced nutrients (loose flower buds and improper opening of flower buds and low shelf life) <br> - Low yield is also due to incidence of bud borer pest and leaf spot diseases | - Demonstration on ICM practices in Chrysanthemum and Gaillardia <br> - Training on commercial flower crops <br> - Supply of literature <br> - Field day |
|  |  |  |  |  | Dryland horticulture : <br> - Less profit from existing cropping pattern due to vagaries of mansoon and lack of crop diversification | - Demonstration of Agrihorticulture system with Cashew crop <br> - Training on tree based farming system <br> - Supply of literature |
|  |  |  |  |  | CB Cows <br> - Low productivity of milk due to non-availability of green fodder throughout the year. | - Demonstration on fodder and azolla production <br> - Supply of literature on Fodder \& Azolla production <br> - Field day on fodder production |


| SI. <br> No. | Taluk | Name of the village | How long the village is covered under operational area of the KVK | Major crops \& enterprises | Major problems identified | Identified Thrust Areas |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Nutrition and health <br> - Less consumption of fruits and vegetables | - Demonstration on nutri-farms for year round nutritional security among farm families <br> - Training on balanced diet and nutrition <br> - Training on healthy foods for healthy life <br> - Training on importance of millets in diet |
|  |  |  |  |  | Grain storage <br> - Incidence of stored grain pest | - Demonstration of Super grain bags <br> - Training on management of stored grain pests <br> - Home visits and interactive meetings <br> - Supply of literature <br> - Supply of super grain bags |
| 3 | Shirahatti | Chikkasavan ur | Since one year (Since 2019-20) |  | Maize: <br> - Low income due to mono cropping <br> - Imabalanced nutrition <br> - Incidence of army worm <br> - Incidence of Turcicum leaf blight <br> - Drudgery during threshing and winnowing of Maize | - Demonstration of Maize + Redgram (4:2) intercropping system <br> - Training on ICM practices Maize+Redgram intercropping system <br> - Training on IPM practices in Maize <br> - Supply of literature <br> - Demonstration on Functional clothing kit <br> - Field day |
|  |  |  |  |  | Foxtail millet : <br> - Low productivity due to cultivation of local variety <br> - Lack of awareness on importance of millet and value addition | - Demonstration of high yielding DHFt-109-3 foxtail millet variety <br> - Demonstration of millet papad <br> - Training on production technology of millet crops <br> - Supply of literature <br> - Field day |


| SI. <br> No. | Taluk | Name of the village | How long the village is covered under operational area of the KVK | Major crops \& enterprises | Major problems identified | Identified Thrust Areas |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Spreading Groundnut : <br> - Low yield due to incidence of leaf minor and leaf spot | - Training on ICM practices in Spreading Groundnut |
|  |  |  |  |  | Summer Groundnut : <br> - Incidence of leaf minor and leaf spot reduce the yields | - Demonstration on ICM practices in summer groundnut (NMOOP) <br> - Training on pest and disease management <br> - Supply of literature <br> - Field day |
|  |  |  |  |  | Greengram : <br> - Low yield due to incidence of powdery mildew | - Demonstration on ICM practices in Greengram with DDGV-2 variety <br> - Training on ICM practices in Greengram |
|  |  |  |  |  | Vegetable crops : <br> - Low income due to cultivation of low yielding local varieties | - Demonstration of new varieties of ICAR-IIHR, Bengaluru in vegetable crops <br> - Training on ICM in vegetable crops <br> - Supply of literature <br> - Field day |
|  |  |  |  |  | White Onion : <br> - Low productivity due to cultivation of low yielding local variety | - Assessment of White Onion varieties <br> - Training on production technology in white onion |
|  |  |  |  |  | Flower crops : <br> - Low quality and low yields are due to imbalanced nutrients (loose flower buds and improper opening of flower buds and low shelf life) <br> - Low yield is also due to incidence of bud borer pest and leaf spot diseases | - Demonstration on ICM practices in Chrysanthemum and Gaillardia <br> - Training on commercial flower crops <br> - Supply of literature <br> - Field day |


| SI. <br> No. | Taluk | Name of the village | How long the village is covered under operational area of the KVK | Major crops \& enterprises | Major problems identified | Identified Thrust Areas |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Dryland horticulture : <br> - Less profit from existing cropping pattern due to vagaries of mansoon and lack of crop diversification | - Demonstration of Agrihorticulture system with Cashew crop. <br> - Training on tree based farming system <br> - Supply of literature |
|  |  |  |  |  | Sericulture : <br> - Low quality mulberry leaves reduce cocoon yields | - Demonstration on organic input production and usage in mulberry crop |
|  |  |  |  |  | CB Cows : <br> - Low productivity of milk due to non-availability of green fodder throughout the year. | - Demonstration on fodder and azolla production <br> - Supply of literature on Fodder \& Azolla production <br> - Field day on fodder production |
|  |  |  |  |  | Nutrition and health : <br> - Less consumption of fruits and vegetables | - Demonstration on nutri-farms for year round nutritional security among farm families <br> - Training on balanced diet and nutrition <br> - Training on importance of millets in diet |
|  |  |  |  |  | Grain storage: Incidence of stored grain pest | - Demonstration of Super grain bags <br> - Training on management of stored grain pests <br> - Home visits and interactive meetings <br> - Supply of literature <br> - Supply of super grain bags |
| 4 | Naragund | Kalakeri | Since one year (Since 2019-20) |  | Greengram: <br> - Low productivity due to usage of low yielding local variety <br> - Incidence of yellow mosaic virus <br> - Incidence of powdery mildew <br> - Incidence of Spital bug and pod borer | - Demonstration on ICM practices in DGGV-2 variety in Greengram <br> - Training on ICM practices in Greengram <br> - Supply of literature <br> - Field day |


| SI. <br> No. | Taluk | Name of the village | How long the village is covered under operational area of the KVK | Major crops \& enterprises | Major problems identified | Identified Thrust Areas |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Bengalgram : <br> - Low yield due to cultivation of low yielding local variety <br> - Low yield due to incidence of wilt \& rust and incidence of pod borer | - Assessment of BGD-111 and DBGV-204 varieties <br> - OFT on assessment of seed treatment with Trichoderma and soil treatment with Trichoderma, neem cake and FYM for wilt control <br> - Training on ICM in Bengalgram <br> - Supply of literature <br> - Field day |
|  |  |  |  |  | Red Onion : <br> - Low productivity due to cultivation of low yielding local variety <br> - Incidence of thrips reduces the yields | - Assessment of Bhima Super variety <br> - Training on ICM in Red Onion <br> - Supply of literature <br> - Field day |
|  |  |  |  |  | Rabi Sorghum : <br> - Low productivity due to usage of local variety <br> - Incidence of smut disease <br> - Incidence of shoot fly and stem borer | - Demonstration on ICM practices in SPV-2217 variety <br> - Training on ICM practices in Rabi Sorghum <br> - Supply of literature <br> - Field day |
|  |  |  |  |  | Drudgery: <br> - Drudgery in farm activities | - Training on drudgery reducing equipments in farm activities |
|  |  |  |  |  | Nutrition and health : <br> - Less consumption of millets, fruits and vegetables in daily diet | - Training on health and nutrition, importance of millets in diet |
|  |  |  |  |  | Grain storage <br> - Incidence of stored grain pest | - Demonstration of Super grain bags <br> - Training on management of stored grain pests <br> - Home visits and interactive meetings <br> - Supply of literature <br> - Supply of super grain bags |

Details of Benchmark Information collected from DFI villages

| SI.No. | Taluk | Name of the block | Name of the village | Name of the Head of Household | Annual Gross Income (Rs.) | Annual Expenditure (Rs.) | Annual Net Income (Rs.) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Gadag | Gadag | Shirol | Maruti Shivappa Walikar | 90000 | 81600 | 8400 |
| 2 | Gadag | Gadag | Shirol | Veeranagouda Mahadevagouda Doddagouda | 75600 | 51600 | 24000 |
| 3 | Gadag | Gadag | Shirol | Holalendragouda Veeranagouda Sannagoudar | 62400 | 52800 | 9600 |
| 4 | Gadag | Gadag | Shirol | Virupaxagouda Mallanagouda Patil | 50000 | 40000 | 10000 |
| 5 | Gadag | Gadag | Shirol | Basayya Veerayya Hiremath | 90000 | 60000 | 30000 |
| 6 | Gadag | Gadag | Shirol | Devendragouda Channabasanagouda Patil | 150000 | 90000 | 60000 |
| 7 | Gadag | Gadag | Shirol | Kuberagouda Veerabhadragouda Doddagoudra | 100000 | 70000 | 30000 |
| 8 | Gadag | Gadag | Shirol | Channabasavanagouda Gurunagouda Patil | 44400 | 28800 | 15600 |
| 9 | Gadag | Gadag | Shirol | Shankaragouda Virupaxagouda Patil | 78000 | 60000 | 18000 |
| 10 | Gadag | Gadag | Shirol | Gurayya Kotrayya Dandin | 64800 | 54000 | 10800 |
| 11 | Gadag | Gadag | Shirol | Basanagouda Mahantagouda Goudar | 300000 | 250000 | 50000 |
| 12 | Gadag | Gadag | Shirol | Channabasanagouda Basanagouda Doddagoudra | 100000 | 75000 | 25000 |
| 13 | Gadag | Gadag | Shirol | Parameshappa Virupaxappa Ramagiri | 50000 | 40000 | 10000 |
| 14 | Gadag | Gadag | Shirol | Shivanandayya Rudrayya Dandin | 150000 | 130000 | 20000 |
| 15 | Gadag | Gadag | Shirol | Yallappa Durgappa Durgappanavar | 80000 | 65000 | 15000 |


| SI.No. | Taluk | Name of the block | Name of the village | Name of the Head of Household | Annual Gross Income (Rs.) | $\begin{gathered} \text { Annual } \\ \text { Expenditure (Rs.) } \end{gathered}$ | Annual Net Income (Rs.) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 16 | Gadag | Gadag | Shirol | Rudragouda Fakirgouda Doddagoudar | 76800 | 40800 | 36000 |
| 17 | Gadag | Gadag | Shirol | Virupaxagouda Barangouda Doddagoudra | 100000 | 90000 | 10000 |
| 18 | Gadag | Gadag | Shirol | Basavaraj Shamaraj Madolli | 228000 | 204000 | 24000 |
| 19 | Gadag | Gadag | Shirol | Siddaramayya Somashekarayya Nagavi | 196800 | 100800 | 96000 |
| 20 | Gadag | Gadag | Shirol | Ningayya Mahadevayya Dandin | 225000 | 200000 | 25000 |
| 21 | Gadag | Gadag | Shirol | Shantveerayya Veerabhadrayya | 70800 | 63600 | 7200 |
| 22 | Gadag | Gadag | Shirol | Nilamma Virupakshagouda Patil | 218400 | 156000 | 62400 |
| 23 | Gadag | Gadag | Shirol | Veeranagouda Mahantagouda Doddagoudra | 60000 | 50000 | 10000 |
| 24 | Gadag | Gadag | Shirol | Laxman Ramappa Talawar | 600000 | 400000 | 100000 |
| 25 | Gadag | Gadag | Shirol | Iranna Basavaraj Oli | 120000 | 110400 | 9600 |
| 26 | Gadag | Gadag | Shirol | Satrappa Yallappa Venkatapur | 50000 | 55000 | 5000 |
| 27 | Gadag | Gadag | Shirol | Shivayya Mallayya Dandin | 80000 | 70000 | 10000 |
| 28 | Gadag | Gadag | Shirol | Rudragouda Dyavanagouda Doddagoudra | 40000 | 45000 | 5000 |
| 29 | Gadag | Gadag | Shirol | Siddalingayya Mallayya dandin | 85000 | 50000 | 35000 |
| 30 | Gadag | Gadag | Shirol | Prabhugouda Siddanagouda Sanagouda | 40000 | 35000 | 5000 |
| 31 | Gadag | Gadag | Shirol | Basayya Veerbhadrayya Dandin | 150000 | 100000 | 50000 |


| SI.No. | Taluk | Name of the block | Name of the village | Name of the Head of Household | Annual Gross Income (Rs.) | Annual Expenditure (Rs.) | Annual Net Income (Rs.) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 32 | Gadag | Gadag | Shirol | Shambayya Mallayya Pujar | 130000 | 100000 | 30000 |
| 33 | Gadag | Gadag | Shirol | Mahantesh Chandragouda Doddagoudra | 52800 | 49200 | 3600 |
| 34 | Gadag | Gadag | Shirol | Basanagouda Gurungouda Patil | 300000 | 250000 | 50000 |
| 35 | Gadag | Gadag | Shirol | Shanmukayya Kotrayya Dandin | 62400 | 31200 | 31200 |
| 36 | Gadag | Gadag | Shirol | Chanbasappa Mallayya Dandin | 63600 | 48000 | 15600 |
| 37 | Gadag | Gadag | Shirol | Basayya Veerayya Dandin | 180000 | 140000 | 40000 |
| 38 | Gadag | Gadag | Shirol | Neelakantagouda Parakkagouda Doddagoudra | 95000 | 80000 | 15000 |
| 39 | Gadag | Gadag | Shirol | Channabasayya Kotrayya Dandin | 300000 | 250000 | 50000 |
| 40 | Gadag | Gadag | Shirol | Mallikarjunayya Shivayya Hiremath | 600000 | 450000 | 150000 |
| 41 | Gadag | Gadag | Shirol | Nilakantayya Gurayya Dandin | 96000 | 62400 | 33600 |
| 42 | Gadag | Gadag | Shirol | Siddayya Veerayya Dandin | 102000 | 90600 | 11400 |
| 43 | Gadag | Gadag | Shirol | Veerupaxayya Veerayya Dandin | 212400 | 138000 | 74400 |
| 44 | Gadag | Gadag | Shirol | Basanagouda Govindagouda Patil | 90000 | 80000 | 10000 |
| 45 | Gadag | Gadag | Shirol | Veeranagoud Shantagoud | 45600 | 34800 | 10800 |
| 46 | Gadag | Gadag | Shirol | Channanagouda Shantagoud | 61200 | 33600 | 27600 |
| 47 | Gadag | Gadag | Shirol | Gangamma Sidramayya Hiremath | 198000 | 81600 | 116400 |


| SI.No. | Taluk | Name of <br> the block | Name of the <br> village | Name of the Head of Household | Annual Gross <br> Income (Rs.) | Annual <br> Expenditure (Rs.) |
| :---: | :---: | :---: | :---: | :--- | :---: | :---: | :---: |
| 48 | Gadag | Gadag | Shirol | Shankarayya Mallayya Majiguda | 144000 | 137400 |
| 49 | Gadag (Rs.) |  |  |  |  |  |


| SI.No. | Taluk | Name of the block | Name of the village | Name of the Head of Household | Annual Gross Income (Rs.) | Annual Expenditure (Rs.) | Annual Net Income (Rs.) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 64 | Shirahatti | Shirahatti | Chikkasavanur | Mahadevappa Basappa Kanakuri | 234000 | 200000 | 34000 |
| 65 | Shirahatti | Shirahatti | Chikkasavanur | Chennappa Basappa Goachihal | 96000 | 72000 | 24000 |
| 66 | Shirahatti | Shirahatti | Chikkasavanur | Basappa Dudanigappa Gudadavar | 100000 | 80000 | 20000 |
| 67 | Shirahatti | Shirahatti | Chikkasavanur | Hanumappa Sivappa Pujar | 156000 | 112800 | 43200 |
| 68 | Shirahatti | Shirahatti | Chikkasavanur | Govindaraddi Narasappa Shagoti | 500000 | 350000 | 150000 |
| 69 | Shirahatti | Shirahatti | Chikkasavanur | Andanagouda Shankaragouda Patil | 200000 | 150000 | 50000 |
| 70 | Shirahatti | Shirahatti | Chikkasavanur | Hemaraddi Narasappa Bairapur | 160000 | 140000 | 20000 |
| 71 | Shirahatti | Shirahatti | Chikkasavanur | Rajashekhar Narasappa Bairapur | 350000 | 300000 | 50000 |
| 72 | Shirahatti | Shirahatti | Chikkasavanur | Kotragouda Basanagouda Patil | 156000 | 148800 | 7200 |
| 73 | Shirahatti | Shirahatti | Chikkasavanur | Ramanna Shivappa Achalli | 70000 | 60000 | 10000 |
| 74 | Shirahatti | Shirahatti | Chikkasavanur | Smt. Narasamma Sannanarasanagouda Patil | 300000 | 250000 | 50000 |
| 75 | Shirahatti | Shirahatti | Chikkasavanur | Mahantesh Chandrappa Gudadavar | 72000 | 60000 | 12000 |
| 76 | Shirahatti | Shirahatti | Chikkasavanur | Ningappa Govindappa Gudadavar | 120000 | 96000 | 24000 |
| 77 | Shirahatti | Shirahatti | Chikkasavanur | Guddanagouda Channabasanagouda Patil | 124800 | 57600 | 67200 |
| 78 | Shirahatti | Shirahatti | Chikkasavanur | Shankaragouda Narasanagouda Patil | 60000 | 55000 | 5000 |
| 79 | Shirahatti | Shirahatti | Chikkasavanur | Somanagouda Shivappa Yalavatti | 450000 | 400000 | 50000 |


| SI.No. | Taluk | Name of the block | Name of the village | Name of the Head of Household | Annual Gross Income (Rs.) | $\begin{gathered} \text { Annual } \\ \text { Expenditure (Rs.) } \end{gathered}$ | Annual Net Income (Rs.) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 80 | Shirahatti | Shirahatti | Chikkasavanur | Neelanagouda Basanagouda Patil | 140000 | 120000 | 30000 |
| 81 | Shirahatti | Shirahatti | Chikkasavanur | Ramesh Govindappa Shagoti | 500000 | 400000 | 100000 |
| 82 | Shirahatti | Shirahatti | Chikkasavanur | Vishwanathraddi Mallappa Gokavi | 400000 | 300000 | 100000 |
| 83 | Shirahatti | Shirahatti | Chikkasavanur | Narasanagouda Basanagouda Yellagoudru | 138000 | 105600 | 32400 |
| 84 | Shirahatti | Shirahatti | Chikkasavanur | Shekappa Narasappa Shagoti | 900000 | 700000 | 200000 |
| 85 | Shirahatti | Shirahatti | Chikkasavanur | Somaraddi Mallappa Gokavi | 800000 | 600000 | 200000 |
| 86 | Shirahatti | Shirahatti | Chikkasavanur | Narasappa Narasappagouda Shagoti | 160800 | 120000 | 30800 |
| 89 | Shirahatti | Shirahatti | Chikkasavanur | Santosh Ramanna Godachihal | 84000 | 36000 | 48000 |
| 90 | Shirahatti | Shirahatti | Chikkasavanur | Fakiragouda Narasimhagouda | 72000 | 60000 | 12000 |
| 91 | Shirahatti | Shirahatti | Chikkasavanur | Ramesh Bhimanna | 144000 | 100000 | 44000 |
| 92 | Shirahatti | Shirahatti | Chikkasavanur | Narasappa Fakkirappa Tevari | 180000 | 150000 | 30000 |
| 93 | Shirahatti | Shirahatti | Chikkasavanur | Tirakappa Gulappa Gokavi | 195600 | 150000 | 35600 |
| 94 | Shirahatti | Shirahatti | Chikkasavanur | Ramesh Virupaxappa Shagoti | 92400 | 57600 | 34800 |
| 95 | Shirahatti | Shirahatti | Chikkasavanur | Suresh Irappa Navi | 90000 | 80000 | 10000 |
| 96 | Shirahatti | Shirahatti | Chikkasavanur | Chanbasavagouda Basavanagouda Patil | 150000 | 120000 | 30000 |
| 97 | Shirahatti | Shirahatti | Chikkasavanur | Narsappa Fakirappa Shagoti | 130000 | 110000 | 20000 |


| SI.No. | Taluk | Name of <br> the block | Name of the <br> village | Name of the Head of Household | Annual Gross <br> Income (Rs.) | Annual <br> Expenditure (Rs.) | Annual Net <br> Income (Rs.) |
| :---: | :---: | :---: | :---: | :--- | :---: | :---: | :---: |
| 98 | Shirahatti | Shirahatti | Chikkasavanur | Mallappa Irappa Navi | 82800 | 75000 |  |
| 99 | Shirahatti | Shirahatti | Chikkasavanur | Govindappa Pandappa <br> Giradannavar | 1300 |  |  |
| 100 | Shirahatti | Shirahatti | Chikkasavanur | Boomaraddi Nagappa Gokavi | 130000 | 10000 | 20000 |

### 2.9 Priority thrust areas

| S. <br> No |  |
| :---: | :--- |
| 1 | Soil fertility management through production and application of bio-manures |
| 2 | Promotion of intercropping systems in Maize and Bt.Cotton crops |
| 5 | Promotion of JAKI-9218 \& BGD-111-01 varieties of Bengalgram |
| 6 | Promotion of SPV-2217 variety of Rabi Sorghum \& DHFt-109-3 variety of foxtail millet |
| 8 | Assessment of Bheema Super variety of Onion |
| 9 | Promotion of ICM practices in White Onion |
| 10 | Crop diversification through promotion of Cashew \& Ashwagandha |
| 11 | Promotion of nutri-farms |
| 12 | Popularisation of drudgery reduction equipments |
| 13 | Primary processing in millets |
| 14 | Livestock nutrition for higher milk productivity |

## PART III - TECHNICAL ACHIEVEMENTS

3.A. Details of target and achievements of mandatory activities

| OFT |  |  | FLD |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{1}$ |  |  | $\mathbf{2}$ |  |  |  |  |
| Number of OFTs |  | Number of farmers |  | Number of FLDs |  | Number of farmers |  |
| Targets | Achievement | Targets | Achievement | Targets | Achievement | Targets | Achievement |
| 5 | 5 | 19 | 19 | 18 | 18 | 432 | 432 |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |


| Training |  |  | Extension Programmes |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathbf{3}$ |  |  | $\mathbf{4}$ |  |  |  |  |
| Number of Courses |  | Number of Participants |  | Number of Programmes |  |  | Number of participants |
| Targets | Achievement | Targets | Achievement | Targets | Achievement | Targets | Achievement |
| 200 | 231 | 5000 | 6730 | 1100 | 1183 | 20000 | 36708 |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |


| Seed Production (Q) |  | Planting materials (Nos.) |  |
| :---: | :---: | :---: | :---: |
| 5 |  | Achievement | Target |
| Target | 83.93 | 50000 | Achievement |
| 75.00 |  |  | 66220 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |


| Livestock, poultry strains and fingerlings (No.) |  | Bio-products (Kg) |  |
| :---: | :---: | :---: | :---: |
| $\mathbf{7}$ |  | $\mathbf{8}$ |  |
| Target | Achievement | Target | Achievement |
| 100 | 150 | 500 | 740 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

3.B1. Abstract of interventions undertaken

| S. <br> No | Thrust area | Crop/ Enterprise | Identified Problem | Interventions |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Title of OFT if any | Title of FLD if any | Number of Training (farmers) | Number of Training (Youths) | Number of Training (extension personnel) | Extension activities (No.) | Supply of seeds (QtI.) | Supply of planting materials (No.) | Supply of livestock (No.) | Supply of bio products |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | No. | Kg |
| 1 | Varietal demonstra tion | Millet | Low productivity of local crops | - | Millet Cafeteria | 3 | 2 | 1 | 15 | 0.5 | 0 | 0 | 0 | 0 |
| 2 | Intercroppi ng system | Maize+ Redgram | Low income due to sole crop |  | Maize+ |  |  |  |  |  |  |  | - Tricho derma | 1 |
|  |  |  |  | - | intercroppi ng system | 2 | 0 | 0 | 12 | (Redgra m) | 0 | 0 | - Rhizo bium | 4 |
| 3 | Thrips Managem ent | Onion | Thrips incidence | Assessme nt of thrips managem ent practices in Onion crop | ${ }^{-}$ | 1 | 0 | 0 | 8 | 0 | 0 | 0 | Lecanic illium | 1 |
| 4 | ICM | Greengram | Low productivity of local variety (Shining moong) | - | Demonstra tion of DGGV-2 variety | 4 | 0 | 0 | 10 | 4.23 | 0 | 0 | 0 | 0 |
| 5 | Varietal assessme nt | Red Onion | Low income due to cultivation of local variety | Assessmen t of Red Onion varieties of higher productivity | - | 2 | 0 | 0 | 15 | 8.0 | 0 | 0 | 0 | 0 |
| 6 | Varietal assessme nt | White Onion | Low income due to cultivation of local | Assessmen $t$ of White Onion varieties of higher | - | 2 | 0 | 0 | 12 | 0.12 | 0 | 0 | 0 | 0 |


| $\begin{aligned} & \text { S. } \\ & \text { No } \end{aligned}$ | Thrust area | Crop/ Enterprise | Identified Problem | Interventions |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Title of OFT if any | Title of FLD if any | Number of <br> Training (farmers) | Number of Training (Youths) | Number of Training (extension personnel) | Extension activities (No.) | Supply of seeds (Qtl.) | Supply of planting materials (No.) | $\begin{array}{\|c\|} \hline \text { Supply } \\ \text { of } \\ \text { livesto- } \\ \text { ck } \\ \text { (No.) } \\ \hline \end{array}$ | Supply of bio products |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | No. | Kg |
|  |  |  | variety | productivity |  |  |  |  |  |  |  |  |  |  |
| 7 | IPDM in Chrysanth emum | Chrysanthe mum | - Low quality and low yields due to imbalanced nutrients (loose flower buds and improper opening of flower buds and low shelf life) - Low yield due to incidence of bud borer pest and leaf spot diseases a |  | IPDM in Chrysanth emum crop | 2 | - | - | 12 | - | - | - | - | - |
| 8 | IPDM in Gaillardia | Gaillardia | - Low quality and low yields due to imbalanced nutrients (loose flower buds and improper opening of flower buds and low | - | IPDM in Gaillardia | 2 | - | - | 10 | - | - | - | - | - |


| $\begin{aligned} & \text { S. } \\ & \text { No } \end{aligned}$ | Thrust area | Crop/ Enterprise | Identified Problem | Interventions |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Title of OFT if any | Title of FLD if any | Number of Training (farmers) | Number of Training (Youths) | Number of Training (extension personnel) | Extension activities (No.) | Supply of seeds (QtI.) | Supply of planting materials (No.) | $\begin{array}{\|c\|} \hline \text { Supply } \\ \text { of } \\ \text { livesto- } \\ \text { ck } \\ \text { (No.) } \\ \hline \end{array}$ | Supply of bio products |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | No. | Kg |
|  |  |  | shelf life) <br> - Low yield due to incidence of bud borer pest and leaf spot diseases |  |  |  |  |  |  |  |  |  |  |  |
| 9 | Climate Resilient crop |  | - Absence of resilient crops suitable for changing climate in the district | - | Demonstra tion of climate resilient crop | 1 | - | - | 8 | 0.40 | - | - | - | - |
| 10 | Health \& Nutrition | Nutri-farm | Nutrition deficiency in women and children | - | FLD on Nutri-farm | 6 | - | - | 24 | 0.12 | 64 | - | 3 | 12 |
| 11 | Grain Storage | Grain storage | Loss of grains due to incidence of stored grain pests | - | Super grain bags | 2 | - | - | 4 | ${ }^{-}$ | 18 bags | - | - | - |
| 12 | Nutrition Managem ent in dairy animals | Fodder and Azolla | Low productivity of milk in CB cow due to Noncultivation of | - | Demonstra tion of Fodder Cafeteria and Azolla Production | 4 | 4 | 0 | 1 | - Lucerne $: 1 \mathrm{Kg}$ <br> Hedge Lucerne : 1.0 Kg Stylo santhes hemata: | Hybrid Napier-6 slips : 4366 Nos. Perennial sorghum seeds of COF531 | 0 | 0 | 0 |


| $\begin{aligned} & \text { S. } \\ & \text { No } \end{aligned}$ | Thrust area | Crop/ Enterprise | Identified Problem | Interventions |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Title of OFT if any | Title of FLD if any | Number of Training (farmers) | Number of <br> Training (Youths) | Number of Training (extension personnel) | Extension activities (No.) | Supply of seeds (QtI.) | Supply of planting materials (No.) | Supply of livestock (No.) | Supply of bio products |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | No. | $\mathbf{K g}$ |
|  |  |  | perennial fodder and grass species |  |  |  |  |  |  | 0.6 Kg - Azolla culture: 10 Kg | variety: 2.0 Kg Grazing guinea grass slips: 8720 Rhodes grass slips $: 14520$ Signal grass : 14520 |  |  |  |
| 13 | Nutrition <br> Managem <br> ent in dairy animals | Silage production | Low productivity of milk in CB Cow due to Non availability of green fodder throughout the year | - | Demonstra tion of silage production | 4 | 4 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| 14 | Nutrition <br> Managem <br> ent in dairy animals | Feeding of Area Specific Mineral Mixture |  |  | Demonstrat ion of Feeding Area Specific Mineral Mixture to enhance milk yield | 2 | 0 | 0 | 8 | 0 | 0 | 0 | 0 | 0 |
| 15 | Nutrition Managem ent in dairy | Hydroponi c Fodder Production | Low productivity of milk in CB Cow | - | Introductio n of Hydroponic Fodder | 2 | 2 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |


| $\begin{aligned} & \text { S. } \\ & \text { No } \end{aligned}$ | Thrust area | Crop/ Enterprise | Identified Problem | Interventions |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Title of OFT if any | Title of FLD if any | Number of Training (farmers) | Number of Training (Youths) | Number of Training (extension personnel) | Extension activities (No.) | Supply of seeds (QtI.) | Supply of planting materials (No.) | Supply of livestock (No.) | Supply of bio products |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  | No. | Kg |
|  | animals |  | due to Non availability of green fodder throughout the year |  | Production |  |  |  |  |  |  |  |  |  |
| 16 | ICM | Rabi Sorghum | Low productivity of local M-35-1 variety | - | ICM in Rabi Sorghum | 2 | 0 | 1 | 10 | 0.6 (Greeng ram) | 0 | 0 | 0 | 5 |
| 17 | Intercroppi ng | Bt. Cotton $+$ Greengra m | Low productivity in mono cropping | - | Intercroppi ng with Greengram crop in Bt. Cotton | 6 | 0 | 1 | 14 | 0.60 | 0 | 0 | 0 | 5 |
| 18 | ICM | Bengalgra m | Low productivity of local variety | - | ICM in JAKI-9218 variety | 5 | 0 | 1 | 13 | 2 | 0 | 0 | 0 | 10 |
| 19 | Varietal assessme nt | Bengalgra m | Low productivity in JG-11 variety | Assessme nt of BGD-111-1 and DBGV-204 varieties for higher productivit y | - | 4 | 0 | 1 | 17 | 1.20 | 0 | 0 | 0 | 4 |
| 20 | IPM | Bengalgra m | Incidence of wilt and pod borer | Assessme nt of wilt managem ent practices | ${ }^{-}$ | 2 | 0 | 1 | 22 | 0 | 0 | 0 | 0 | 25 |
| 21 | Vegetable crop cafeteria | Ridge gourd, Dolichos | Low productivity and low | - | Demonstrat ion on vegetable | 4 | 0 | 0 | 18 | 0.49 | 0 | 0 | 0 | 0 |


| $\begin{aligned} & \text { S. } \\ & \text { No } \end{aligned}$ | Thrust area | Crop/ Enterprise | Identified Problem | Interventions |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  | Number | Number | Number of | Extension | Supply | Supply of | Supply of | Supply of bio products |  |
|  |  |  |  | OFT if any | FLD if any | Training (farmers) | Training (Youths) | (extension personnel) | activities (No.) | seeds (Qtl.) | materials (No.) | livesto- ck (No.) | No. | $\mathbf{K g}$ |
|  |  | bean, Coriander, French bean \& Okra | income due to nonavailability of improved vegetable varieties |  | crop cafeteria |  |  |  |  |  |  |  |  |  |
| 22 | Dryland horticultur e | Cashewnu t | Low profit from existing cropping pattern due to vagaries of mansoon and lack of crop diversificati on | - | Demonstrat ion of agrihorticulture system | 3 | 0 | 0 | 15 | 0 | 310 | 0 | 0 | 0 |
| 23 | Organic farming | Mulberry | Non- <br> practices of organic farming in Mulberry cultivation | - | Demonstrat ion of organic practices in Mulberry crop | 1 | 0 | 0 | 25 | 0 | 0 | 0 | 0 | 20 |

3.B2. Details of technology used during reporting period

| $\begin{aligned} & \text { S. } \\ & \text { No } \end{aligned}$ | Title of Technology | Source of technology | Crop/enterprise | No. of programmes conducted |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | OFT | FLD | Training | Others (Extension activities) |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Millet Cafeteria | UAS, Dharwad | Millet | 0 | 5 | 6 | 15 |


| $\begin{aligned} & \text { S. } \\ & \text { No } \end{aligned}$ | Title of Technology | Source of technology | Crop/enterprise | No. of programmes conducted |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | OFT | FLD | Training | Others (Extension activities) |
| 2 | Maize+Redgram intecropping system | UAS, Dharwad | Maize+Redgram | 0 | 20 | 2 | 10 |
| 3 | Thrips management | UHS, Bagalkot / ICAR-DOGR, Pune | Onion | 5 | 0 | 4 | 8 |
| 4 | Varietal assessment | ICAR-DOGR, Pune | Red Onion | 3 | 0 | 2 | 15 |
| 5 | IPDM in Chrysanthemum | ICAR-IIHR, Bengaluru | Chrysanthemum | 0 | 5 | 2 | 12 |
| 6 | IPDM in Gaillardia | ICAR-IIHR, Bengaluru | Gaillarida | 0 | 5 | 2 | 10 |
| 7 | Climate Resilient crop | CSIR-CIMAP, Lucknow | Ashwagandha | 0 | 10 | 1 | 8 |
| 8 | Super grain bags | EVOH-Save grain bags, Save grains advanced solutions private limited | Grain storage | 0 | 18 | 2 | 4 |
| 9 | Nutri-farm | UAS, Bengaluru | Nutrition Garden | 0 | 5 | 14 | 24 |
| 10 | Demonstration of Fodder Cafeteria and Azolla Production | ICAR-IGFRI, RRS, Dharwad \& UAS, Dharwad | CB Cows | 0 | 10 | 4 | 6 |
| 11 | Demonstration of silage production | NIANP, Bengaluru | CB Cows | 0 | 5 | 6 | 4 |
| 12 | Introduction of Hydroponic Fodder Production | UAS, Bengaluru | CB Cows | 0 | 10 | 3 | 5 |
| 13 | Demonstration of SPV-2217 variety in Rabi Sorghum | UAS, Dharwad | Rabi Sorghum | 0 | 20 | 3 | 10 |
| 14 | Demonstration of Bt. Cotton + Greengram intercropping system | UAS, Dharwad | Bt. Cotton and Greengram | 0 | 20 | 7 | 14 |
| 15 | Demonstration of JAKI-9218 variety in Bengalgram crop | UAS, Dharwad | Bengalgram | 0 | 10 | 6 | 13 |
| 16 | Demonstration of Vegetable crop cafeteria | UHS, Bagalkot | Ridgegourd, Dolichos bean, Coriander, French bean and Okra | 0 | 5 | 4 | 18 |
| 17 | Demonstration of AgriHorticulture system | UHS, Bagalkot | Cashewnut | 0 | 5 | 3 | 15 |
| 18 | Demonstration of organic practices in Mulberry crop | UAS, Dharwad | Mulberry | 0 | 5 | 1 | 25 |
| 19 | Assessment of White Onion varieties for higher productivity | ICAR-DOGR, Pune | White Onion | 3 | 0 | 2 | 12 |
| 20 | Assessment of Bengalgram varieties for higher productivity | UAS, Dharwad | Bengalgram | 3 | 0 | 5 | 17 |


| $\begin{aligned} & \text { S. } \\ & \text { No } \end{aligned}$ | Title of Technology | Source of technology | Crop/enterprise | No. of programmes conducted |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | OFT | FLD | Training | Others (Extension activities) |
| 21 | Assessment of wilt management practices in Bengalgram crop | UAS, Dharwad | Bengalgram | 6 | 0 | 3 | 22 |
| 22 | Demonstration of DGGV-2 variety in Greengram crop | UAS, Dharwad | Greengram | 0 | 20 | 4 | 10 |
| 23 | Demonstration of feeding Area Specific Mineral Mixture to enhance milk yield | NIANP, Bengaluru | Milch animals | 0 | 10 | 4 | 15 |

3.B2 contd..

|  | No. of farmers covered |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OFT |  |  |  | FLD |  |  |  | Training |  |  |  | Others (Extension activities) |  |  |  |
|  | General |  | SC/ST |  | General |  | SC/ST |  | General |  | SC/ST |  | General |  | SC/ST |  |
|  | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
|  | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| 1 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 100 | 70 | 8 | 2 | 120 | 50 | 15 | 6 |
| 2 | 0 | 0 | 0 | 0 | 6 | 0 | 14 | 0 | 17 | 0 | 46 | 0 | 80 | 23 | 12 | 10 |
| 3 | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 28 | 2 | 4 | 2 | 56 | 40 | 5 | 3 |
| 4 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 39 | 2 | 11 | 0 | 76 | 30 | 43 | 5 |
| 5 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 36 | 9 | 3 | 0 | 68 | 12 | 34 | 3 |
| 6 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 31 | 4 | 3 | 0 | 53 | 10 | 25 | 0 |
| 7 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 19 | 0 | 3 | 0 | 80 | 0 | 38 | 0 |
| 8 | 0 | 0 | 0 | 0 | 0 | 18 | 0 | 0 | 4 | 31 | 0 | 0 | 0 | 35 | 0 | 10 |
| 9 | 0 | 0 | 0 | 0 | 0 | 6 | 0 | 0 | 23 | 94 | 0 | 7 | 55 | 132 | 16 | 25 |
| 10 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 10 | 6 | 2 | 2 | 6 | 4 | 8 | 6 |
| 11 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 75 | 193 | 16 | 27 | 35 | 56 | 15 | 22 |
| 12 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 41 | 0 | 9 | 0 | 26 | 2 | 2 | 0 |
| 13 | 0 | 0 | 0 | 0 | 15 | 2 | 3 | 0 | 80 | 20 | 15 | 5 | 86 | 6 | 15 | 12 |
| 14 | 0 | 0 | 0 | 0 | 18 | 2 | 0 | 0 | 65 | 12 | 8 | 2 | 54 | 5 | 12 | 10 |
| 15 | 0 | 0 | 0 | 0 | 10 | 0 | 0 | 0 | 110 | 50 | 12 | 8 | 82 | 15 | 16 | 12 |
| 16 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 80 | 19 | 6 | 5 | 56 | 18 | 22 | 10 |
| 17 | 0 | 0 | 0 | 0 | 5 | 0 | 0 | 0 | 60 | 10 | 12 | 8 | 65 | 16 | 14 | 8 |
| 18 | 0 | 0 | 0 | 0 | 4 | 1 | 0 | 0 | 16 | 14 | 0 | 0 | 36 | 14 | 6 | 4 |
| 19 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 40 | 12 | 2 | 0 | 54 | 18 | 10 | 6 |
| 20 | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 53 | 17 | 12 | 8 | 62 | 12 | 8 | 2 |
| 21 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 64 | 12 | 10 | 4 | 58 | 23 | 9 | 3 |


|  | No. of farmers covered |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | OFT |  |  |  | FLD |  |  |  | Training |  |  |  | Others (Extension activities) |  |  |  |
|  | General |  | SC/ST |  | General |  | SC/ST |  | General |  | SC/ST |  | General |  | SC/ST |  |
|  | M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| 22 | 0 | 0 | 0 | 0 | 18 | 2 | 0 | 0 | 57 | 13 | 16 | 5 | 45 | 0 | 12 | 0 |
| 23 | 0 | 0 | 0 | 0 | 6 | 2 | 2 | 0 | 46 | 50 | 20 | 12 | 37 | 32 | 12 | 15 |

## PART IV - On Farm Trial

4.A1. Abstract on the number of technologies assessed in respect of crops :

| Thematic areas | Cereals | Oilseeds | Pulses | Commercial Crops | Vegetables | Fruits | Flower | Plantation crops | Tuber Crops | TOTAL |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Integrated Nutrient Management |  |  |  |  |  |  |  |  |  |  |
| Varietal Evaluation |  |  | 1 |  | 2 |  |  |  |  | 3 |
| Integrated Pest Management |  |  | 1 |  | 1 |  |  |  |  | 2 |
| Integrated Crop Management |  |  |  |  |  |  |  |  |  |  |
| Integrated Disease Management |  |  |  |  |  |  |  |  |  |  |
| Small Scale Income Generation Enterprises |  |  |  |  |  |  |  |  |  |  |
| Weed Management |  |  |  |  |  |  |  |  |  |  |
| Resource Conservation Technology |  |  |  |  |  |  |  |  |  |  |
| Farm Machineries |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming System |  |  |  |  |  |  |  |  |  |  |
| Seed / Plant production |  |  |  |  |  |  |  |  |  |  |
| Value addition |  |  |  |  |  |  |  |  |  |  |
| Drudgery Reduction |  |  |  |  |  |  |  |  |  |  |
| Storage Technique |  |  |  |  |  |  |  |  |  |  |
| Mushroom cultivation |  |  |  |  |  |  |  |  |  |  |
| Total |  |  | 2 |  | 3 |  |  |  |  | 5 |

4.A2. Abstract on the number of technologies refined in respect of crops : NIL

| Thematic areas | Cereals | Oilseeds | Pulses | mmercial | getables | uits |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |


4.A3. Abstract on the number of technologies assessed in respect of livestock enterprises : NIL

| Thematic areas | Cattle | Poultry | Piggery | Rabbit | Fisheries | TOTAL |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Evaluation of Breeds |  |  |  |  |  |  |
| Nutrition Management |  |  |  |  |  |  |
| Disease of Management |  |  |  |  |  |  |
| Value Addition |  |  |  |  |  |  |
| Production and Management |  |  |  |  |  |  |
| Feed and Fodder |  |  |  |  |  |  |
| Small Scale income generating enterprises |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  |

4.A4. Abstract on the number of technologies refined in respect of livestock enterprises: NIL

| Thematic areas | Cattle | Poultry | Piggery | Rabbit | Fisheries |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Evaluation of Breeds |  |  |  |  |  |
| Nutrition Management |  |  |  |  |  |
| Disease of Management |  |  |  |  |  |
| Value Addition |  |  |  |  |  |
| Production and Management |  |  |  |  |  |
| Feed and Fodder |  |  |  |  |  |
| Small Scale income generating <br> enterprises |  |  |  |  |  |

## TOTAL

## 4.B. Achievements on technologies Assessed and Refined

## 4.B.1. Technologies Assessed under various Crops

| Thematic areas | Crop | Name of the technology assessed | No. of trials | Number of farmers | Area in ha (Per trial covering all the Technological Options) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Integrated Nutrient Management |  |  |  |  |  |
|  | Bengalgram | Assessment of $\quad$ potential productivity of NBEG-3 \& BGD- $111-01$ varieties under irrigated condition | 5 | 5 | 1.2 ha / trial (Total : 6 ha) |
| Varietal Evaluation | Onion | Assessment of Red Onion varieties for higher productivity | 3 | 3 | 1.2 ha / trial (Total : 3.6 ha) |
|  | Onion | Assessment of White Onion varieties for higher productivity | 3 | 3 | 1.2 ha / trial (Total : 3.6 ha) |
| Integrated Pest Management | Onion | Assessment of thrips management practices in Onion crop | 5 | 5 | 1.2 ha / trial (Total : 6 ha) |
|  | Bengalgram | Assessment of wilt management practices in Bengalgram crop | 6 | 6 | 1 ha / trial (Total : 5 ha) |
| Integrated Crop Management |  |  |  |  |  |
| Integrated Disease Management |  |  |  |  |  |
|  |  |  |  |  |  |
| Small Scale Income Generation Enterprises |  |  |  |  |  |
|  |  |  |  |  |  |
| Weed Management |  |  |  |  |  |
|  |  |  |  |  |  |
| Resource Conservation Technology |  |  |  |  |  |
|  |  |  |  |  |  |
| Farm Machineries |  |  |  |  |  |
|  |  |  |  |  |  |
| Integrated Farming System |  |  |  |  |  |
|  |  |  |  |  |  |
| Seed / Plant production |  |  |  |  |  |


| Thematic areas | Crop | Name of the technology <br> assessed | No. of trials | Number of <br> farmers | Area in ha (Per trial covering all <br> the Technological Options) |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |
| Value addition |  |  |  |  |  |
| Drudgery Reduction |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

4.B.2. Technologies Refined under various Crops : NIL

| Thematic areas | Crop | Name of the technology assessed | No. of trials | Number of farmers | Area in ha (Per trial covering all the Technological Options) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Integrated Nutrient Management |  |  |  |  |  |
| Varietal Evaluation |  |  |  |  |  |
|  |  |  |  |  |  |
| Integrated Pest Management |  |  |  |  |  |
|  |  |  |  |  |  |
| Integrated Crop Management |  |  |  |  |  |
|  |  |  |  |  |  |
| Integrated Disease Management |  |  |  |  |  |
|  |  |  |  |  |  |
| Small Scale Income Generation Enterprises |  |  |  |  |  |
|  |  |  |  |  |  |
| Weed Management |  |  |  |  |  |
|  |  |  |  |  |  |
| Resource Conservation Technology |  |  |  |  |  |
|  |  |  |  |  |  |


| Thematic areas Crop Name of the technology <br> assessed No. of trials Number of <br> farmers <br>      <br> all the Technological     <br> Options)     |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Integrated Farming System |  |  |  |  |  |
| Seed / Plant production |  |  |  |  |  |
| Value addition |  |  |  |  |  |
| Drudgery Reduction |  |  |  |  |  |
| Storage Technique |  |  |  |  |  |
| Mushroom cultivation |  |  |  |  |  |
| Total |  |  |  |  |  |

4.B.3. Technologies assessed under Livestock and other enterprises : NIL

| Thematic areas | Name of the <br> livestock enterprise | Name of the technology assessed | No. of trials | No. of farmers |
| :---: | :---: | :---: | :---: | :---: |
| Evaluation of breeds |  |  |  |  |
| Nutrition management |  |  |  |  |
| Disease management |  |  |  |  |
| Value addition |  |  |  |  |
| Production and management |  |  |  |  |
| Feed and fodder |  |  |  |  |
| Small scale income generating enterprises |  |  |  |  |
| Total |  |  |  |  |

4.B.4. Technologies Refined under Livestock and other enterprises: NIL

| Thematic areas | Name of the livestock <br> enterprise | Name of the technology <br> assessed | No. of trials | No. of farmers |
| :--- | :---: | :---: | :---: | :---: |
| Evaluation of breeds |  |  |  |  |
| Nutrition management |  |  |  |  |



## 4.C1. Results of Technologies Assessed

Results of On Farm Trial

| Crop/ enterprise | Farming situation | Problem definition | Title of OFT | No. of trials | Technology Assessed | Source of technology | Yield (Qt/Ha) | $\begin{aligned} & \text { Unit } \\ & \text { of } \\ & \text { yield } \end{aligned}$ | Observations other than yield (No. of pods/plant) | Net Return Rs. $/$ unit | BC <br> Ratio | Remarks if any |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| Bengalgram | Protective irrigation | Decrease in the productivity of JG-11 variety | Assessment of BGD- <br>  <br> DBGV-204 <br> varieties for higher productivity | 3 | T.O.1 (Farmers' practice) Cultivation of JG-11 variety | - | 9.93 | Qt1/ha | 37.0 | 16480 | 1.66 | - |
|  |  |  |  |  | T.0.2 <br> Cultivation of JAKI-9218 variety | UAS, Dharwad | 10.71 | Qt1/ha | 39.6 | 19225 | 1.76 | - |
|  |  |  |  |  | T.O. 3 <br> Assessment of BGD-111- <br> 01 variety | IARI-RRC, Dharwad | 12.50 | Qt1/ha | 47.6 | 25543 | 1.98 | - |
|  |  |  |  |  | T. 0.4 <br> Assessment of DBGV-204 variety | UAS, Dharwad | 11.37 | Qt1/ha | 47.3 | 21477 | 1.84 |  |

4.C2. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

1. Title of Technology Assessed : Assessment of BGD-111-01 \& DBGV-204 variety for higher productivity
2. Performance of the Technology on specific indicators

| Technology Assessed | Performance indicators |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  | Grain Yield <br> (Qt//ha) | Net Returns <br> (Rs./ha) | B.C. <br> Ratio | \% increase in yield | No. of <br> pods/plant |
| Farmer's practice: Cultivation of JG-11 variety | 9.93 | 16480 | 1.66 | - | 37.0 |
| Recommended practice: Cultivation of JAKI-9218 variety | 10.71 | 19225 | 1.76 | 13.56 |  |
| Alternate practice-1: Assessment of BGD-111-01 variety | 12.50 | 25543 | 1.98 | 38.27 |  |
| Alternate practice-1: Assessment of DBGV-204 variety | 11.37 | 21477 | 1.84 | 28.03 | 47.6 |

3.Specific Feedback from farmers: Yield performance of BGD-111-01 variety is higher than JAKI-9218 variety
4.Specific Feedback from Extension personnel and other stakeholders: Make BGD-111-01 variety seeds available to the farmers through KVK \& OFT farmers in higher quantity
5. Feedback to Research System based on results and feedback received: NIL

| Crop/ enterprise | Farming situation | Problem definition | Title of OFT | No. of trials | Technology Assessed | Source of technology | Yield (Qt/Ha) | $\begin{aligned} & \text { Unit } \\ & \text { of } \\ & \text { yield } \end{aligned}$ | Observations other than yield (No. of wilt plants/Sq.mt) | Net Return Rs. / Ha | BC Ratio | Remarks if any |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| Bengalgram | Rainfed |  | Assessment of wilt management practices in Bengalgram crop | 5 | T. 0.1 (Farmers' practice) <br> Seed treatment with Captan 2.5 gm |  | 12.08 | Qtt/ha | 0.88 | 22966 | 1.87 | - |
|  |  |  |  |  | T.0.2 <br> Seed treatment with Trichoderma $10 \mathrm{gm} / \mathrm{Kg}$ of seeds | UAS, Dharwad | 13.48 | Qtt/ha | 0.40 | 28007 | 2.03 | - |
|  |  |  |  |  | T.O. 3 <br> Seed treatment with Trichoderma @ 10 gm/Kg + Soil treatment with Trichoderma @ 2 Kg mixed with Neem cake @ 50 Kg and $\mathrm{FYM} @ 100 \mathrm{Kg}$ | UAS, Dharwad | 15.74 | Qtt/ha | 0.19 | 34635 | 2.16 |  |

4.C2. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

1. Title of Technology Assessed : Assessment of wilt management practices in Bengalgram crop
2. Performance of the Technology on specific indicators

| Technology Assessed | Performance indicators |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | Grain Yield (Qt//ha) | Net Returns (Rs./ha) | B.C. Ratio | \% increase in yield | Plant population / Sq. mt. |
| Farmer's practice: Seed treatment with Captan 2.5 gm | 12.08 | 22966 | 1.87 | - | 23.00 |
| Recommended practice: Seed treatment with Trichoderma 10 $\mathrm{gm} / \mathrm{Kg}$ of seeds | 13.48 | 28007 | 2.03 | 11.59 | 24.92 |
| Alternate practice-1: Seed treatment with Trichoderma @ 10 $\mathrm{gm} / \mathrm{Kg}+$ Soil treatment with Trichoderma @ 2 Kg mixed with Neem cake @ 50 Kg and FYM @ 100 Kg | 15.74 | 34635 | 2.16 | 30.30 | 26.32 |

3.Specific Feedback from farmers: Seed treatment with Trichoderma and soil treatment with Trichoderma, Neem and FYM gives more yield compared to recommended practice and farmers' practice.
4.Specific Feedback from Extension personnel and other stakeholders: Soil and seed treatment with Trichoderma, Neem cake and FYM increase plant population by $14.43 \%$ as compared to farmers' practice.
5. Feedback to Research System based on results and feedback received: NIL

Results of On Farm Trial

| Results of On Farm Trial |  |  |  |  |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Crop/ enterprise | Farming situation | Problem definition | Title of OFT | No. of trials | Technology Assessed | Source of technology | $\begin{aligned} & \text { Yield } \\ & \text { (Qt/Ha) } \end{aligned}$ | Unit of yield | Observations other than yield <br> (Bulb weight in gms) | * Net Return Rs. / unit | BC Ratio | Remarks if any |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| Onion | Rainfed | Low yield in local varieties | Assessment of Red Onion varieties for higher productivity | 3 | T. 0.1 (Farmer practice) Cultivation of Bellary / Nasik Red Onion variety | - | 41.25 | Qt//ha | 98.08 | 34820 | 1.73 | - |
|  |  |  |  |  | T.0. 2 <br> Cultivation of Arka Kalyan variety | ICAR-IIHR, Bengaluru | 50.87 | Qt//ha | 110.50 | 49817 | 1.96 | - |
|  |  |  |  |  | T. 0.3 <br> Assessment of Bheema Super variety | $\begin{aligned} & \text { ICAR- } \\ & \text { DOGR, } \\ & \text { Pune } \\ & \hline \end{aligned}$ | 53.27 | Qt//ha | 117.38 | 54187 | 2.03 | - |

* Net returns are very low due to crash in Onion prices during the harvesting period. But later, prices went up to Rs. 10000 - 15000 per quintal

1. Title of Technology Assessed: Assessment of Red Onion varieties for higher productivity
2. Performance of the Technology on specific indicators :

| Technology Assessed | Performance indicators |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
|  | Yield (Qt//ha) | Net Returns <br> (Rs./ha) | B.C. Ratio | \% increase in <br> yield |
| Farmer's practice: <br> Cultivation of Bellary / Nasik <br> Red Onion variety | 41.25 | 34820 | 1.73 | - |
| Recommended practice: <br> Cultivation of Arka Kalyan <br> variety | 50.87 | 49817 | 1.96 | 23.32 |
| Alternate practice: <br> Assessment of Bheema Super <br> variety | 53.27 | 54187 | 2.03 | 29.13 |

3. Specific Feedback from farmers : Farmers accepted Bheema Super variety for its good bulb yield
4. Specific Feedback from Extension personnel and other stakeholders : -
5. Feedback to Research System based on results and feedback received :-

| Crop/ enterprise | Farming situation | Problem definition | Title of OFT | No. of trials | Technology Assessed | Source of technology | Yield (Qt/Ha) | Unit of yield | Observations other than yield (No. of thrips/plant) | Net Return Rs. / unit | BC Ratio | Remarks if any |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| Onion | Irrigated | Low yield and income due to cultivation of local variety | Assessment of thrips management practices in Onion crop | 5 | T. 0.1 (Farmer practice) <br> Spray of Lambda Cylahothrin @ 2 ml/L | - | 40.80 | Qt1/ha | 1.76 thrips/plant | 37262 | 1.84 | - |
|  |  |  |  |  | T.O.2 <br> Spray of Lecancillium lecanii @ 2 gm/L | UHS, Bagalkot | 46.00 | Qt1/ha | 0.96 thrips/plant | 45750 | 1.99 | - |
|  |  |  |  |  | T.O. 3 <br> Spray of Lecancillium lecanii @ 2 gm/L + Soluble Boron @ 1 gm/L | ICARDOGR, Pune | 58.20 | Qt1/ha | 0.56 thrips/plant | 69027 | 2.46 | - |

4.C2. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

1. Title of Technology Assessed : Assessment of thrips management practices in Onion crop
2. Performance of the Technology on specific indicators :

| Technology Assessed | Performance indicators |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
|  | Bulb yield <br> (QtI/ha) | Net Returns <br> (Rs./ha) | B.C. Ratio | (\% of purple <br> blotch |
| Farmers' practice: Spray of Lambda Cyhalothrin @ 2 ml/L | 40.80 | 37262 | 1.84 | 17.80 |
| Recommended practice: Spray of Lecancillium lecanii @ 2 gm/L | 46.00 | 45750 | 1.99 | 7.20 |
| Alternate practice-1: <br> Spray of Lecancillium lecanii @ 2 gm/L + Soluble Boron @ 1 <br> gm/L | 58.00 | 69027 | 2.46 | 4.00 |

2. Specific Feedback from farmers : Foliar spray of Lecancillium lecanii and Soluble Boron reduced the incidence of thrips and purple blotch disease and in-turn increased the yield to $42 \%$ compared to Farmers' Practice (T.O.-1)
3. Specific Feedback from Extension personnel and other stakeholders : Lecancillium lecanii and Soluble Boron treated plot gave more yield as compared to either Lambda Cylahothrin or Lecancillium lecanii only.
4. Feedback to Research System based on results and feedback received : --

## Results of On Farm Trial

| Crop/ enterprise | Farming situation | Problem definition | Title of OFT | No. of trials | Technology Assessed | Source of technology | $\begin{aligned} & \text { Yield } \\ & \text { (Qt/Ha) } \end{aligned}$ | Unit of yield | Observations other than yield (Bulb weight) | Net Return Rs. / unit | BC <br> Ratio | Remarks if any |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| Onion | Rainfed | Low yield, keeping quality and income due to cultivation of local variety | Assessment of white Onion varieties for higher productivity | 3 | T. 0.1 (Farmer practice) <br> Cultivation of Telagi White | - | 59.53 | Qt//ha | 100.60 | 54367 | 2.56 | - |
|  |  |  |  |  | T.0.2 <br> Assessment of Bheema Shubra | ICARDOGR, Pune | 73.67 | Qtt/ha | 110.8 | 73333 | 2.97 | - |
|  |  |  |  |  | T.O. 3 <br> Assessment of Bheema Shweta | ICARDOGR, Pune | 71.33 | Qtt/ha | 108.16 | 70500 | 2.93 | - |

4.C2. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

1. Title of Technology Assessed : Assessment of white Onion varieties for higher productivity
2. Performance of the Technology on specific indicators :

| Technology Assessed | Performance indicators |  |  |
| :--- | :---: | :---: | :---: |
|  | Bulb yield <br> (QtI/ha) | Net Returns <br> (Rs./ha) | B.C. Ratio |
| Farmers' practice: Cultivation of Telagi White | 59.53 | 54367 | 2.56 |
| Recommended practice: Assessment of Bheema Shubra | 73.67 | 73333 | 2.97 |
| Alternate practice-1: Assessment of Bheema Shweta | 71.33 | 70500 | 2.93 |

1. Specific Feedback from farmers : Bheema Shubra variety has got uniform bulb size, bright white colour and good marketability. Therefore farmers accepted Bheema Shubra variety
2. Specific Feedback from Extension personnel and other stakeholders:--
3. Feedback to Research System based on results and feedback received : --

## 4.D1. Results of Technologies Refined : NIL

| Crop/ enterprise | Farming situation | Problem definition | $\begin{gathered} \text { Title } \\ \text { of } \\ \text { OFT } \\ \hline \end{gathered}$ | No. of trials | Technology Refined | Source of technology | Yield | Unit of yield | Observations other than yield | Net Return Rs. / unit | BC Ratio | Remarks if any |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|  |  |  |  |  | T.O.1 (Farmer practice) |  |  |  |  |  |  |  |
|  |  |  |  |  | T.0. 2 |  |  |  |  |  |  |  |
|  |  |  |  |  | T.0.3 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

## 4.D.2. Details of Technologies refined:

1. Title of Technology Refined
2. Performance of the Technology on specific indicators
3. Specific Feedback from farmers
4. Specific Feedback from Extension personnel and other stakeholders
5. Feedback to Research System based on results/feedback received

## 1. A. Summary of FLDs implemented

| SI. <br> No. | Category | Farming Situation | Season | Crop | Variety/ breed | Hybrid | Thematic area | Technology Demonstrated | Area (ha) |  | Farmers (No.) |  | Farmers (No.) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  | Proposed | Actual | $\begin{aligned} & \hline \text { SC/ } \\ & \text { ST } \end{aligned}$ | Others | Small/ Marginal | Others |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Oilseeds |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | Pulses | Rainfed | Kharif, $2019$ | Greengram | DGGV-2 |  | Integrated Crop Management | Integrated Crop Management in Greengram crop | 8 | 8 | 0 | 0 | 9 | 11 |
| 2 | Pulses | Rainfed | Rabi | Bengalgram | $\begin{aligned} & \hline \text { JAKI- } \\ & 9218 \end{aligned}$ | - | ICM | Demonstration of JAKI-9218 variety | 4 | 4 | 1 | 9 | 3 | 7 |
| 3 | Cereals | Rainfed | Rabi | Rabi Sorghum | $\begin{aligned} & \text { SPV- } \\ & 2217 \\ & \hline \end{aligned}$ | - | Varietal demonstration | Demonstration of SPV-2217 | 8 | 8 | 3 | 17 | 5 | 15 |
| 4 | Maize+ Redgram | Rainfed | Khairf, $2019$ | Maize+ Redgram | TS-3R | Kaveri Champ | Intercropping system | Demonstration of | 8 | 8 | 14 | 6 | 13 | 7 |


| SI. <br> No. | Category | Farming Situation | Season | Crop | Variety/ breed | Hybrid | Thematic area | Technology Demonstrated | Area (ha) |  | Farmers (No.) |  | Farmers (No.) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  | Proposed | Actual | $\begin{aligned} & \text { SC/ } \\ & \text { ST } \end{aligned}$ | Others | Small/ Marginal | Others |
|  |  |  |  |  |  | 555 |  | Maize+Redgram intercropping system |  |  |  |  |  |  |
| 5 | Millets | Rainfed | Kharif | Proso millet | $\begin{aligned} & \text { DHPM- } \\ & 2769 \\ & \hline \end{aligned}$ | - | Varietal demonstration | Demonstration of millets | 2 | 2 | 0 | 5 | 0 | 5 |
|  |  |  |  | Foxtail millet | $\begin{aligned} & \text { DHFt } \\ & 109-3 \end{aligned}$ |  |  |  |  |  |  |  |  |  |
|  |  |  |  | Little millet | $\begin{aligned} & \hline \text { DHLM- } \\ & 36-3 \\ & \hline \end{aligned}$ |  |  |  |  |  |  |  |  |  |
| 6 | Vegetables | Irrigated |  | Ridgegourd | Arka Prasanna | - | Varietal demonstration | ICM in vegetable crop cafeteria | 3 | 3 | 0 | 5 | 5 | 0 |
|  |  |  |  | Dolichos bean | Arka Amogh |  |  |  |  |  |  |  |  |  |
|  |  |  |  | French bean | Arka Sharat |  |  |  |  |  |  |  |  |  |
|  |  |  |  | Okra | Arka Anamika |  |  |  |  |  |  |  |  |  |
|  |  |  |  | Coriander | Arka Isha |  |  |  |  |  |  |  |  |  |
|  | Flowers |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | Chrysanthemum | Irrigated | Kharif, 2019 | Chrysanthemum | Kurnool | - | IPDM | IPDM in Chrysanthemum | 2 | 2 | - | 5 | 5 | - |
| 8 | Gaillaridia | Irrigated | $\begin{aligned} & \hline \text { Kharif, } \\ & 2019 \\ & \hline \end{aligned}$ | Gaillaridia | Galate | - | IPDM | IPDM in Gaillaridia | 2 | 2 | - | 5 | 5 | - |
|  | Ornamental |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | Fruit | Rainfed | Kharif, 2019 | Cashewnut crop | Vengurla -4 | - | Dryland horticulture | Demonstration of Agrihorticulture system | 2 | 2 | 0 | 5 | 0 | 5 |
|  | Spices and condiments |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Commercial |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 | Bt. Cotton | Rainfed | $\begin{aligned} & \hline \text { Kharif, } \\ & 2019 \end{aligned}$ | Bt.Cotton+ Greengram | Kanaka | - | Intercropping | Intercropping of Bt. Cotton + Greengram $(1: 2)$ | 8 | 8 | - | 20 | 12 | 8 |
| 11 | Medicinal and aromatic | Rainfed | Late Kharif | Ashwagnadha | Poshita | - | Climate resilient crop | Demonstration of climate | 4 | 4 | - | 10 | 6 | 4 |


| SI. <br> No. | Category | Farming Situation | Season | Crop | Variety/ breed | Hybrid | Thematic area | Technology Demonstrated | Area (ha) |  | Farmers (No.) |  | Farmers (No.) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  | Proposed | Actual | $\begin{array}{\|c\|} \hline \text { SC/ } \\ \hline \text { ST } \\ \hline \end{array}$ | Others | Small/ Marginal | Others |
|  |  |  |  |  |  |  |  | resilient crop |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 | Fodder | Irrigated | Kharif | Perennial fodder crops | - Hybrid Napier DHN6 <br> - Guinea Grass <br> - Rhodes Grass <br> - Signal Grass <br> - Lucerne <br> - Azolla Culture | - | Nutrition Management in dairy animals | Demonstration on Fodder crops and Azolla <br> Production \& feeding to milch animals for enhanced milk productivity | 10 | 5 | - | 5 | 5 | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Plantation |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Fibre |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 | Dairy | Dryland/ Irrigated | Rabi | CB Cow | - | - | Nutrition Management in dairy animals | Demonstration of silage production \& feeding to milch animals for enhanced milk productivity | 10 | 10 | - | 10 | 10 | - |
| 14 | Dairy | Dryland/ Landless | Rabi | CB Cow | - | - | Nutrition Management in dairy animals | Introduction of Hydroponic Fodder <br> Production \& feeding to milch animals for enhanced milk productivity | 10 | 3 | - | 3 | 3 | - |
| 15 | Dairy | Irrigated/ Dryland | Rabi | CB Cow | - | - | Nutrition Management in dairy animals | Feeding of Area Specific Mineral Mixture to enhance milk | 10 | 10 | 2 | 8 | 10 | - |


| SI. <br> No. | Category | Farming Situation | Season | Crop | Variety/ breed | Hybrid | Thematic area | Technology Demonstrated | Area (ha) |  | Farmers (No.) |  | Farmers (No.) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  | Proposed | Actual | $\begin{array}{\|l\|} \hline \text { SC/ } \\ \text { ST } \\ \hline \end{array}$ | Others | Small/ Marginal | Others |
|  |  |  |  |  |  |  |  | yield \& feeding to milch animals for enhanced milk productivity |  |  |  |  |  |  |
|  | Poultry |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Rabbitry |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Piggery |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Sheep and goat |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Duckery |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Common carps |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Mussels |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Ornamental fishes |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Oyster mushroom |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Button mushroom |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Vermicompost |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 16 | Sericulture | Irrigated | $\begin{aligned} & \text { All } \\ & \text { season } \end{aligned}$ | Mulberry | V-1 | - | Organic Practices in Mulberry crop | Cultivation of Mulberry through organic manure | 3 | 3 | - | 3 | 1 | 2 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Apiculture |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Implements |  |  |  |  |  |  |  |  |  |  |  |  |  |


| SI. <br> No. | Category | Farming Situation | Season | Crop | Variety/ breed | Hybrid | Thematic area | Technology Demonstrated | Area (ha) |  | Farmers (No.) |  | Farmers (No.) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  | Proposed | Actual | $\begin{aligned} & \hline \text { SC/ } \\ & \text { ST } \end{aligned}$ | Others | Small/ Marginal | Others |
|  | Others (specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 | Nutri farm | Irrigated \& Rainfed | All seasons | Vegetables | - | - | Nutrition | Demonstration of Nutri farm | - | - | 0 | 6 | 6 | 0 |
| 18 | Post harvest | - | - | Greengram | - | - | Grain storage | Demonstration of super grain bags | - | - | 0 | 20 | 20 | 0 |

5.A. 1. Soil fertility status of FLDs plots, if analysed

| SI. <br> No. | Category | Farming Situation | Season and Year | Crop | Variety/ breed | Hybrid | Thematic area | Technology Demonstrated | Season and year | Status of soil |  |  | Previous crop grown |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  | N | P | K |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Oilseeds |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | Pulses | Rainfed | $\begin{aligned} & \text { Kharif, } \\ & 2019 \end{aligned}$ | Greengra m | DGGV-2 | - | Integrated Crop Manageme nt | Integrated Crop Management in DGGV-2 variety | Kharif, 2019 | L | L | H | Rabi Sorghum \& Bengalgram |
| 2 |  | Rainfed | $\begin{aligned} & \hline \text { Rabi } \\ & 2019-20 \end{aligned}$ | Bengalgra <br> m | JAKI-9218 | - | ICM | Demonstration of JAKI-9218 variety | $\begin{aligned} & \text { Rabi 2019- } \\ & 20 \end{aligned}$ | L | M | H | Maize \& fallow land |
|  | Cereals |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 | Cereals | Rainfed | $\begin{aligned} & \hline \text { Rabi } \\ & 2019-20 \end{aligned}$ | Rabi Sorghum | SPV-2217 | - | ICM | Demonstration of SPV-2217 variety | $\begin{aligned} & \hline \text { Rabi } \\ & 2019-20 \end{aligned}$ | L | L | H | Greengram \& fallow land |
| 5 | Maize+ Redgram | Rainfed | $\begin{aligned} & \text { Kharif, } \\ & 2019 \end{aligned}$ | Maize+ Redgram | TS-3R | Kaveri Champ 555 | Rainfed | Demonstration of Maize+Redgram intercropping system | $\begin{aligned} & \text { Kharif 2019- } \\ & 20 \end{aligned}$ | L | L | M | Greengram |
| 6 | Millets | Rainfed | $\begin{aligned} & \text { Kharif } \\ & 2019 \end{aligned}$ | Proso millet | DHPM-2769 | - | Varietal demonstra tion | Demonstration of millets | Kharif 2019 | L | L | M | Maize \& Bt. Cotton |
|  |  |  |  | Foxtail millet | DHFt 109-3 |  |  |  |  |  |  |  |  |
|  |  |  |  | Little millet | DHLM-36-3 |  |  |  |  |  |  |  |  |
| 7 | Vegetables | Rainfed | Rabi 2019 | Ridgegour $\mathrm{d}$ | Arka Prasanna | - | Varietal demonstra | ICM in vegetable crop cafeteria | Rabi 2019 | L | L | M | Onion |


| SI. <br> No. | Category | Farming Situation | Season and Year | Crop <br> Dolichos bean | Variety/ breed <br> Arka Amogh | Hybrid | Thematic area tion | Technology Demonstrated | Season and year | Status of soil |  |  | Previous crop grown |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  | N | P | K |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | French bean | Arka Sharat |  |  |  |  |  |  |  |  |
|  |  |  |  | Okra | Arka Anamika |  |  |  |  |  |  |  |  |
|  |  |  |  | Coriander | Arka Isha |  |  |  |  |  |  |  |  |
|  | Flowers |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 | Chrysanthemし m | Irrigated | Kharif, 201s | Chrysanthe mum | Kurnool | - | IPDM | Demonstration on Chrysanthemum | Kharif, 2019 | L | 4 | M | Vegetable crops |
| 9 | Gaillaridia | Irrigated | Kharif, 201s | Gaillaridia | Galate | - | IPDM | Demonstration on Gaillaridia | Kharif, 2019 | L | $L$ | M | Vegetable crops |
|  | Ornamental |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Fruit |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Spices and condiments |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 | Commercial | Rainfed | $\begin{aligned} & \text { Kharif, } \\ & 2019 \end{aligned}$ | Bt.Cotton+ Greengra m | Kanaka | - | Intercroppi ng | Intercropping of Bt. Cotton + Greengram (1:2) | Kharif, 2019 | L | M | L | Maize \& Greengr am |
| 11 | Medicinal and aromatic | Rainfed | Late Kharif | Ashwagnad ha | Poshita | - | Climate resilient crop | Demonstration of climate resilient crop | Kharif, 2019 | L | L | M | Rabi Sorghum |
| 12 | Fodder | Irrigated | Kharif \& 2018-19 | Perennial Fodder crops | - Hybrid Napier DHN6 <br> - Guinea Grass <br> - Rhodes Grass <br> - Signal Grass <br> - Lucerne <br> - Azolla <br> Culture | - | Nutrition Manageme nt in dairy animals | Demonstration on Fodder Cafeteria and Azolla Production | Kharif \& 2018-19 | L | L | M | Maize |
| 13 | Plantation |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 | Fibre |  |  |  |  |  |  |  |  |  |  |  |  |


| SI. <br> No. | Category | Farming Situation | Season and Year | Crop | Variety/ breed | Hybrid | Thematic area | Technology Demonstrated | Season and year | Status of soil |  |  | Previous crop grown |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |  |  |  |  |  | N | P | K |  |
| 15 | Sericulture | Irrigated | All season | Mulberry | V-1 | - | Organic Practices in Mulberry crop | Cultivation of Mulberry through organic manure | All season | L | M | L | - |

## 5.B. Results of FLDs

|  | Name of the | Variety |  | Hybrid | Farming situation | No. of Demo. | Area (ha) | Yield (q/ha) |  |  |  | \% Increase | *Economics of demonstration (Rs./ha) |  |  |  | *Economics of check (Rs./ha) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Crop | technology demonstrat ed |  |  | Demo |  |  |  | Check | Gross Cost | Gross Return | Net Return |  | BCR | Gross Cost | Gross Return | Net Return | $B C R$ |
|  |  |  |  |  |  |  |  |  | H | L | A |  |  |  |  |  |  |  |  |  |  |
| Oilseeds |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pulses |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Greengram | ICM in Greengram | DGGV-2 |  | - | Rainfed | 20 | 8 | 7.88 | 5.90 | 6.95 | 5.97 | 17.28 | 25125 | 38206 | 13081 | 1.52 | 23642 | 32821 | 9179 | 1.39 |
| Bengalgr am | Demonstrati on of JAKI9218 variety | JAKI-9218 |  | - | Rainfed | 10 | 4 | 16.25 | 11.00 | 14.03 | 10.98 | 27.77 | 30969 | 57535 | 26567 | 1.87 | 28338 | 44988 | 16660 | 1.61 |
| Cereals |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rabi Sorghum | Demonstrati on of SPV2217 variety | SPV-2217 |  | - | Rainfed | 20 | 8 | 17.50 | 7.5 | 9.65 | 8.42 | 14.61 | 20591 | 37914 | 17323 | 1.84 | 19089 | 30939 | 11850 | 1.62 |
| Maize+ Redgram | Maize+ Redgram | TS-3R |  | Kaveri Champ 555 | Rainfed | 20 | 8 | CEY: 40.12 <br> (Maiz e: <br> 21.87 <br> $\stackrel{+}{\text { Redg }}$ ram: 7.30) | CEY: <br> 31.49 <br> (Maiz <br> e:18. <br> 37 <br> Redgr <br> am: <br> 5.25) | CEY : <br> 35.68 <br> (Maiz <br> e:20. <br> 15 <br> Redgr <br> am: <br> 6.17) | 24.25 | 33.81 | 37021 | 64239 | 27218 | 1.73 | 29113 | 43719 | 14606 | 1.50 |
| Millets |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Foxtail Millet | Demonstrati on millet cafeteria | Pro so mill et | $\begin{aligned} & \hline \text { DHP } \\ & \text { M- } \\ & 2769 \end{aligned}$ | - | Rainfed | 5 | 2 | 15 | 8.5 | 11.5 | - | - | 20428 | 35650 | 15223 | 1.73 | - | - | - | - |


|  | Name of the | Variety |  | Hybrid | Farming situation | No. of Demo. | Area (ha) | Yield (q/ha) |  |  |  | \% Increase | *Economics of demonstration (Rs./ha) |  |  |  | *Economics of check (Rs./ha) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Crop | technology demonstrat ed |  |  | Demo |  |  |  | Check | Gross Cost | Gross Return | Net Return |  | $\begin{gathered} * * \\ \text { BCR } \end{gathered}$ | Gross Cost | Gross Return | Net Return | BCR |
|  |  |  |  |  |  |  |  |  | H | L | A |  |  |  |  |  |  |  |  |  |  |
|  |  | Foxt ail mill et | $\begin{array}{\|l} \hline \text { DHFt } \\ 109- \\ 3 \end{array}$ |  |  |  |  | 12.5 | 6.87 | 9.25 | - | - | 19775 | 27750 | 7975 | 1.39 | - | - | - | - |
|  |  | Littl e mill et | $\begin{aligned} & \hline \mathrm{DHL} \\ & \mathrm{M}- \\ & 36-3 \end{aligned}$ |  |  |  |  | 15 | 10 | 12.87 | - | - | 23030 | 37337 | 14307 | 1.61 | - | - | - | - |
| Vegetables |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Vegetable cafeteria | Ridg egou rd | Arka Pras anna |  |  |  |  | 75 | 55 | 65 | 52.5 | 23.8 | 38780 | 136500 | 97720 | 3.52 | 36140 | 110250 | 74110 | 3.05 |
|  |  | Dolic hos bean | Arka Amo gh |  |  |  |  | 85 | 62 | 74.50 | 58.50 | 27.35 | 44800 | 149000 | 104200 | 3.33 | 42650 | 117000 | 74350 | 2.74 |
|  |  | Fren ch bean | Arka Shar at |  | Irrigated | 5 | 3 | 55 | 45 | 49.50 | 38 | 27.92 | 58150 | 99000 | 40850 | 1.70 | 55150 | 76000 | 20850 | 1.38 |
|  |  | Okra | Arka <br> Ana <br> mika |  |  |  |  | 97 | 80 | 87.6 | 73.6 | 19.02 | 52220 | 105120 | 52900 | 2.01 | 49260 | 88320 | 39060 | 1.79 |
|  |  | Coria nder | Arka Isha |  |  |  |  | 83 | 74.17 | 78.27 | 68.67 | 14.04 | 33150 | 93120 | 60770 | 2.84 | 36830 | 82400 | 45570 | 2.24 |
| Flowers |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Chrysant hemum | IPDM in Chrysanthe mum | Kur | nool | - | Irrigated | 5 | 2 | 60 | 47.50 | 55.25 | 46.50 | 18.82 | $\begin{gathered} 14955 \\ 0 \end{gathered}$ | 359125 | 209575 | 2.40 | $\begin{gathered} 13787 \\ 2 \end{gathered}$ | 302250 | $\begin{gathered} 16437 \\ 8 \end{gathered}$ | 2.19 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gaillardia | IPDM in Gaillardia |  | late | - | Irrigated | 5 | 2 | 80 | 67.50 | 74.50 | 64.25 | 15.88 | $\begin{gathered} 13676 \\ 8 \\ \hline \end{gathered}$ | 298000 | 161232 | 2.18 | $\begin{gathered} 12872 \\ 2 \\ \hline \end{gathered}$ | 257000 | $\begin{gathered} 12827 \\ 8 \\ \hline \end{gathered}$ | 2.00 |
| Fruit | Dryland horticulture | Veng | urla-4 | - | Rainfed | 5 | 2 | Survival rate is 100\% |  |  |  |  |  |  |  |  |  |  |  |  |
| Spices and condiment S |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Commer cial |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |


|  | Name ofthetechnologydemonstrated | Variety | Hybrid | Farming situation | No. of Demo. | Area <br> (ha) | Yield (q/ha) |  |  |  |  | *Economics of demonstration (Rs./ha) |  |  |  | *Economics of check (Rs./ha) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Crop |  |  |  |  |  |  | Demo |  |  | Check |  | Gross Cost | Gross Return | Net Return | BCR | Gross Cost | Gross <br> Return | Net Return | BCR |
|  |  |  |  |  |  |  | H | L | A |  |  |  |  |  |  |  |  |  |  |
| Fibre crops like cotton | Demonstrati on of Bt.Cotton+ Greengram intercroppin g system | DGGV-2 <br> (Greengra m) | Kanaka (Bt. Cotton) | Rainfed | 20 | 8 | $\begin{gathered} \text { CEY: } \\ 28.17 \\ \text { (Bt.Co } \\ \text { tton:1 } \\ 8.05 \\ + \\ \text { Green } \\ \text { gram: } \\ 8.10) \\ \hline \end{gathered}$ | CEY: <br> 17.25 <br> Bt.Cott on:12. $00$ <br> Green gram: 4.20 | CEY: 22.04 (Bt.Co tton: 14.44 + Green gram: 6.08 ) | 16.24 | 35.71 | 43965 | 114608 | 70643 | 2.60 | 40635 | 84469 | 43834 | 2.08 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Medicinal and aromatic |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *Ashwagar Dha | Climate resilient crop | Poshita | - | Rainfed | 10 | 4 | 3.25 | 2.50 | 2.85 | New crop |  | 18725 | 42750 | 24025 | 2.28 | New Crop |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fodder |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Plantation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fibre |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sericulture | Sericulture | $V-1$ <br> (Mulberry) | - | Irrigated | 5 | 2 | 56.00 | 42.30 | 48.60 | 40.80 | 19.11 | 55693 | 170217 | 114523 | 3.05 | 54883 | 142683 | 87800 | 2.60 |

${ }^{* *}$ BCR $=$ GROSS RETURN/GROSS COST
H - Highest Yield, L - Lowest Yield A - Average Yield

* Ashwagandha crop demonstration does not have local check as this crop is a new introduction during rabi season. Hence, this is compared with Bengalgram crop as local check to show that Ashwagandha is more profitable compared to traditional rabi season crop i.e Bengalgram
1)Data on additional parameters other than yield : Demonstration of DGGV-2 variety in Greengram crop

| Data on other parameters in relation to technology demonstrated |  |  |
| :--- | :---: | :---: |
| Parameter with unit | Demonstration plot | Local check plot |
| No. of pod borer / plant | 0.29 | 0.87 |


| Incidence of Powdery Mildew disease | $2.80 \%$ | $8.50 \%$ |
| :--- | :---: | :---: |

2)Data on additional parameters other than yield : Demonstration of JAKI-9218 variety in Bengalgram

|  | Data on other parameters in relation to technology demonstrated |  |  |
| :--- | :---: | :---: | :---: |
| Parameter with unit | Demonstration plot | Local check plot |  |
| Wilt incidence (Percentage) | 0.10 | 0.38 |  |
| No. of pod borers (Nos./Sq. mtr area) | 0.16 | 0.42 |  |

3) Data on additional parameters other than yield : Demonstration of SPV-2217 variety in Rabi Sorghum

| Data on other parameters in relation to technology demonstrated |  |  |
| :---: | :---: | :---: |
| Parameter with unit | Demonstration plot | Local check plot |
| Lodging of plants (Percentage) at harvest | 10.62 | 24.65 |

4) Data on additional parameters other than yield : IPDM in White Onion

|  | Data on other parameters in relation to technology demonstrated |  |  |
| :--- | :---: | :---: | :---: |
| Parameter with unit | Demonstration plot | Local check plot |  |
| Bulb weight (gms) | 115.16 | 100.38 |  |

5) Data on additional parameters other than yield: IPDM in Chrysanthemum

| Data on other parameters in relation to technology demonstrated |  |  |
| :--- | :---: | :---: |
| Parameter with unit | Demonstration plot | Local check plot |
| Flower bud borer (No./ Plant ) | 0.44 | 1.20 |
| $\%$ of leaf spot incidence | $8 \%$ | $21 \%$ |

6) Data on additional parameters other than yield: IPDM in Gaillardia

| Data on other parameters in relation to technology demonstrated |  |  |
| :--- | :---: | :---: |
| Parameter with unit | Demonstration plot | Local check plot |
| Flower bud borer (No./ Plant ) | 0.32 | 1.16 |
| $\%$ of leaf spot incidence | $6.4 \%$ | $18.2 \%$ |

5.B.2. Livestock and related enterprises

| Type of livestock | Name of the technology demonstrated | Breed | No. of Demo | No. of Units | Yield (kg/animal) |  |  |  | $\begin{gathered} \text { \% } \\ \text { Increase } \end{gathered}$ | *Economics of demonstration Rs./unit) |  |  |  | *Economics of check (Rs./unit) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Demo |  |  | Check if any |  | Gross Cost | Gross Return | Net Return | BCR | Gross Cost | Gross Return | Net Return | BCR |
|  |  |  |  |  | H | L | A |  |  |  |  |  |  |  |  |  |  |
| Dairy | Demonstration on Fodder Cafeteria and Azolla Production | CB Cows | 5 | 5 | 12.00 | 6.00 | 8.26 | 6.70 | 23.28 | 22690 | 62445 | 39755 | 2.75 | 34762 | 50652 | 15890 | 1.45 |
|  | Demonstration on usage of silage bags for silage production for feeding to milking dairy animals for higher milk productivity | CB Cows | 10 | 10 | 9.50 | 6.10 | 7.56 | 6.55 | 15.41 | 37577 | 57153 | 19576 | 1.52 | 34452 | 49518 | 15066 | 1.43 |
|  | Demonstration on hydroponic fodder production and feeding for higher milk productivity | CB Cows | 10 | 3 | 9.20 | 7.50 | 8.42 | 7.25 | 16.13 | 28620 | 63693 | 35073 | 2.22 | 33581 | 54810 | 21229 | 1.63 |


|  |  |  |  |  | Yield (kg/animal) |  |  |  | \% <br> Increase | *Economics of demonstration Rs./unit) |  |  |  | *Economics of check (Rs./unit) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| livestock | technology demonstrated | Breed | Demo | Units | Demo |  |  | Check if any |  | Gross Cost | Gross Return | Net Return | BCR | Gross Cost | Gross Return | Net Return | BCR |
|  | Demonstration on feeding of area specific mineral mixture to enhance milk yield | CB Cows | 10 | 10 | 11.00 | 3.50 | 7.15 | 6.10 | 17.21 | 33461 | 53983 | 20522 | 1.61 | 33101 | 46116 | 13015 | 1.39 |
| Poultry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rabbitry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pigerry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sheep and goat |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Duckery |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

** BCR = GROSS RETURN/GROSS COST
Data on additional parameters other than yield (viz., reduction of percentage diseases, increase in conceiving rate, inter-calving period etc.)

## FLD on Fodder and Azolla production

Salient features of Perennial Grasses as perceived by Farmers involved in Demonstrations

|  | Palatability of grass / fodder | Soil erosion controlling character | Regenerating capacity of grass / fodder | Suitability to grow on the farm bunds | Average Bio-mass 100 sq.ft. at $1^{\text {st }}$ harvested stage | Average No. of tillers at $1^{\text {st }}$ harvesting stage | Average height of the grass at $1^{\text {st }}$ harvesting stage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Hybrid Napier DHN-6 | $\begin{aligned} & \hline 75-85 \% \\ & \text { (Very good) } \end{aligned}$ | Yes | Yes | Yes | 21 Kg | 40.0 | 4.6 ft . |
| Guinea grass | $90-100 \%$ (Excellent) | Yes | Yes | Yes | 15 Kg | 49.0 | 1.4 ft . |
| Rhodes grass | $90-100 \%$ <br> (Excellent) | Yes | Yes | Yes | 1.2 Kg | 58.0 | 3.1 ft . |
| Signal grass | $\begin{aligned} & 75-85 \% \\ & \text { (Very good) } \end{aligned}$ | Yes | Yes | Yes | 3.5 Kg | 46.0 | 2.1 ft . |
| Lucerne | $90-100 \%$ <br> (Excellent) | Yes | Yes | Yes | 3.8 Kg | 5.4 | 1.6 ft . |

Data on additional parameters other than yield (viz., reduction of percentage diseases, increase in conceiving rate, inter-calving period etc.)

Data on additional parameters : Demonstration on Fodder Cafeteria and Azolla culture

| Pata on other parameters in relation to technology demonstrated |  |  |
| :--- | :--- | :--- | :--- |
| Demonstration |  |  |
| Feeding of Fodder and Azolla culture | - Gradual improvement in the general condition of the animal health <br> - Increase in intake of dry fodder <br> - Cows are coming to heat within the period |  |
| Salient features of Azolla production | - Average production of Azolla in 12 'x4' area was around $0.25 \mathrm{Kg} /$ day |  |
| Nutrition | Proper nutrition | Check |

## Data on additional parameters : Demonstration of silage production

| Data on other parameters in relation to technology demonstrated |  |  |
| :---: | :---: | :---: |
| Parameter with unit | Demonstration | Check |
| Supply of fodder | - Possible for regular supply of silaged green fodder to the animals. <br> - Ensuring the silaged green fodder especially during lean period | - |
| Weather | Silage can be made under all weather conditions | - |

Data on additional parameters : Introduction of Hydroponic Fodder Production

|  | Data on other parameters in relation to technology demonstrated |  |
| :---: | :---: | :---: |
| Parameter with unit | Demonstration | Check |


| Data on other parameters in relation to technology demonstrated |  |  |
| :--- | :--- | :--- |
| Water consumption | Low consumption of water. Ideal for drought areas |  |
| Fertiliser requirement | No fertiliser required |  |
| Nutrition | High nutrition and good hydration for animals | - |

Data on additional parameters : Demonstration on feeding of Area Specific Mineral Mixture

| Data on other parameters in relation to technology demonstrated |  |  |
| :--- | :--- | :--- |
| Parameter with unit | Demonstration | Check |
| Supply of Area Specific Mineral Mixture | Improved reproductivity efficiency in female animals | - |
|  | Reduce intercalving period leading to more productive life of <br> animals |  |
|  | Improves milk production | - |

## 5.B.3. Fisheries : NIL

| Type of Breed | Name of the technology demonstrated | Breed | No. of Demo | Units/ Area ( $\mathrm{m}^{2}$ ) | Yield (q/ha) |  |  |  | \% Increase | *Economics of demonstration Rs./unit) or (Rs./m2) |  |  |  | *Economics of check Rs./unit) or (Rs./m2) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Demo |  |  | Check if any |  | $\begin{aligned} & \text { Gross } \\ & \text { Cost } \end{aligned}$ | Gross Return | Net Return | BCR | $\begin{aligned} & \text { Gross } \\ & \text { Cost } \end{aligned}$ | Gross Return | Net Return | BCR |
|  |  |  |  |  | H | L | A |  |  |  |  |  |  |  |  |  |  |
| Common carps |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mussels |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ornamental fishes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST
H-High L-Low, A-Average
Data on additional parameters other than yield (viz., reduction of percentage diseases, effective use of land etc.)

| Data on other parameters in relation to technology demonstrated |  |  |
| :---: | :---: | :---: |
| Parameter with unit | Demo |  |
|  |  |  |
|  |  |  |
|  |  |  |

5.B.4. Other enterprises

| Enterprise | Name of the technology demonstrated | Variety/ species | No. of Demo | Units/ Area $\left\{m^{2}\right\}$ | Yield (Qtt/ha) |  |  |  | $\begin{gathered} \% \\ \text { Increase } \end{gathered}$ | *Economics of demonstration (Rs./unit) or (Rs./m2) |  |  |  | *Economics of check (Rs./unit) or (Rs./m2) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Demo |  |  | Check if any |  | Gross Cost | Gross Return | $\begin{gathered} \text { Net } \\ \text { Return } \end{gathered}$ | BCR | Gross Cost | $\begin{aligned} & \text { Gross } \\ & \text { Return } \end{aligned}$ | $\begin{array}{\|c\|} \hline \text { Net } \\ \text { Return } \\ \hline \end{array}$ | BCR |
|  |  |  |  |  | H | L | A |  |  |  |  |  |  |  |  |  |  |
| Oyster mushroom |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Button mushroom |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vermicompost |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sericulture |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Apiculture |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others <br> (pl. specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Grain Storage | $\begin{aligned} & \text { Super grain } \\ & \text { bags } \end{aligned}$ | - | 20 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Nutrition \& Health | Demonstration of Nutri-farm | - | 6 | - | - | - | - | - | - | 18000 | 45585 | 27585 | 1.50 | - | - | - | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

** BCR= GROSS RETURN/GROSS COST
H-High L-Low, A-Average
Data on additional parameters other than yield : Grain Storage

| Pata on other parameters in relation to technology demonstrated |  |  |  |
| :--- | :---: | :---: | :---: |
| Parameter with unit | Demo | Local |  |
| Insect load/Kg. of grains (Nos.) | 0 | 14 |  |
| Weight of grain loss $/ \mathrm{Kg}$ | 0 | 73.9 gms |  |
| Weight of grain loss $/ 25 \mathrm{Kgs}$ | 0 | 1.82 Kgs |  |
| Cost of grain loss (Rs.)-Greengram @ <br> Rs. $80 / \mathrm{Kg}$. | 0 | Rs.145/- |  |

## Data on additional parameters other than yield : Health \& Nutrition

| Data on other parameters in relation to technology demonstrated |  |  |  |  |
| :--- | :---: | :---: | :---: | :---: |
| Parameter with unit | Demo | Local |  |  |
| Amount spent towards purchase of <br> vegetables/year (Rs.225/month) | Rs. 2700/- | Rs.11400/- (Rs.925/month) |  |  |
| Consumption of leafy vegetables in <br> days/week | $4-5$ days/week | $1-2$ days/week |  |  |
| Percentage adequacy of vegetables | 61.43 | - |  |  |
| Availability of vegetables per day/ <br> member | 215 gms |  |  |  |

## 5.B.5. Farm implements and machinery



* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** $\mathrm{BCR}=$ GROSS RETURN/GROSS COST
Data on additional parameters other than labour saved (viz., reduction in drudgery, time etc.)

| Data on other parameters in relation to technology demonstrated |  |  |
| :---: | :---: | :---: |
| Parameter with unit | Demo |  |
|  |  |  |
|  |  |  |
|  |  |  |

5.B.6. Extension and Training activities under FLD

| SI.No. | Activity | No. of activities organised | Number of participants | Remarks |
| :--- | :--- | :---: | :---: | :---: |
| 1 | Field days | 16 | 1213 |  |
| 2 | Farmers Training | 54 | 1337 |  |
| 3 | Media coverage | 32 |  |  |
| 4 | Training for extension functionaries | 2 | 2 |  |
| 5 | Others (Please specify)-Farm Advisory Services | 226 | 6 |  |

## PART VI - DEMONSTRATIONS ON CROP HYBRIDS (2019)

Demonstration details on crop hybrids

| Type of Breed | Name of the technology demonstrated | Name of the hybrid | No. of Demo | Area (ha) | Yield (q/ha) |  |  |  | \% <br> Increase | *Economics of demonstration (Rs./ha) |  |  |  | *Economics of check (Rs./ha) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Demo |  |  | Check |  | $\begin{gathered} \text { Gross } \\ \text { Cost } \end{gathered}$ | Gross Return | Net Return | BCR | Gross Cost | Gross Return | Net Return | BCR |
|  |  |  |  |  | H | L | A |  |  |  |  |  |  |  |  |  |  |
| Cereals |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bajra |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Maize |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Paddy |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sorghum |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Wheat |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Oilseeds |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Castor |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mustard |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Safflower |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sesame |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sunflower |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Groundnut |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Soybean |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pulses |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Greengram |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Blackgram |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bengalgram |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Redgram |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |


| Type of Breed | Name of the technology demonstrated | Name of the hybrid | No. of Demo | Area <br> (ha) | Yield (q/ha) |  |  | \% Increase | *Economics of demonstration (Rs./ha) |  |  |  | *Economics of check (Rs./ha) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | Demo |  | Check |  | Gross Cost | Gross Return | Net Return | BCR | Gross Cost | Gross Return | Net Return | BCR |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vegetable crops |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bottle gourd |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Capsicum |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cucumber |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tomato |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Brinjal |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Okra |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Onion |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Potato |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Field bean |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Commercial crops |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sugarcane |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Coconut |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fodder crops |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Maize (Fodder) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sorghum (Fodder) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

PART VII. TRAINING (2019-20)
7.A.. Training of Farmers and Farm Women including sponsored training programmes (On campus)

| Area of training | No. of Cours es | No. of Participants |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | General |  |  | SC/ST |  |  | Grand Total |  |  |
|  |  | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Crop Production |  |  |  |  |  |  |  |  |  |  |
| Weed Management |  |  |  |  |  |  |  |  |  |  |
| Resource Conservation Technologies |  |  |  |  |  |  |  |  |  |  |
| Cropping Systems |  |  |  |  |  |  |  |  |  |  |
| Crop Diversification |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming |  |  |  |  |  |  |  |  |  |  |
| Micro Irrigation/Irrigation |  |  |  |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Integrated Crop Management | 19 | 302 | 43 | 345 | 213 | 1 | 214 | 515 | 44 | 559 |
| Soil and Water Conservation | 3 | 56 | 52 | 108 | 15 | 10 | 71 | 62 | 133 | 71 |
| Integrated Nutrient Management | 1 | 17 | 1 | 17 | 0 | 4 | 4 | 17 | 5 | 22 |
| Production of organic inputs |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Horticulture |  |  |  |  |  |  |  |  |  |  |
| a) Vegetable Crops |  |  |  |  |  |  |  |  |  |  |
| Production of low value and high volume crop |  |  |  |  |  |  |  |  |  |  |
| Off-season vegetables |  |  |  |  |  |  |  |  |  |  |
| Nursery raising |  |  |  |  |  |  |  |  |  |  |
| Exotic vegetables |  |  |  |  |  |  |  |  |  |  |
| Export potential vegetables |  |  |  |  |  |  |  |  |  |  |
| Grading and standardization |  |  |  |  |  |  |  |  |  |  |
| Protective cultivation |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| ICM in Red Onion crop | 1 | 28 | 2 | 30 | 0 | 0 | 0 | 28 | 2 | 30 |
| Weed management and INM in Onion | 1 | 25 | 0 | 25 | 4 | 1 | 5 | 29 | 1 | 30 |
| b) Fruits |  |  |  |  |  |  |  |  |  |  |
| Training and Pruning |  |  |  |  |  |  |  |  |  |  |
| Layout and Management of Orchards |  |  |  |  |  |  |  |  |  |  |
| Cultivation of Fruit | 1 | 26 | 0 | 26 | 10 | 0 | 36 | 0 | 36 | 36 |
| Management of young plants/orchards |  |  |  |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  |  |  |  |  |
| Export potential fruits |  |  |  |  |  |  |  |  |  |  |
| Micro irrigation systems of orchards |  |  |  |  |  |  |  |  |  |  |


| Area of training | No. of Cours es | No. of Participants |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | General |  |  | SC/ST |  |  | Grand Total |  |  |
|  |  | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Plant propagationtechniques |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Perennial fruit crops | 1 | 0 | 0 | 0 | 18 | 7 | 25 | 18 | 7 | 25 |
| c) Ornamental Plants |  |  |  |  |  |  |  |  |  |  |
| Nursery Management |  |  |  |  |  |  |  |  |  |  |
| Management of potted plants |  |  |  |  |  |  |  |  |  |  |
| Export potential of ornamental plants |  |  |  |  |  |  |  |  |  |  |
| Propagation techniques of Ornamental Plants |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| d) Plantation crops |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology | 1 | 22 | 1 | 23 | 3 | 0 | 3 | 25 | 1 | 26 |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| e) Tuber crops |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| f) Spices |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| g) Medicinal and Aromatic Plants |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Production and management technology in Ashwagandha crop | 1 | 19 | 0 | 19 | 3 | 0 | 3 | 22 | 0 | 22 |
| Post harvest technology and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Soil Health and Fertility Management |  |  |  |  |  |  |  |  |  |  |
| Soil fertility management |  |  |  |  |  |  |  |  |  |  |
| Integrated water management |  |  |  |  |  |  |  |  |  |  |
| Integrated nutrient management |  |  |  |  |  |  |  |  |  |  |
| Production and use of organic inputs |  |  |  |  |  |  |  |  |  |  |
| Management of Problematic soils |  |  |  |  |  |  |  |  |  |  |


| Area of training | No. of Cours es | No. of Participants |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | General |  |  | SC/ST |  |  | Grand Total |  |  |
|  |  | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Micro nutrient deficiency in crops |  |  |  |  |  |  |  |  |  |  |
| Nutrient use efficiency |  |  |  |  |  |  |  |  |  |  |
| Balanced use of fertilizers |  |  |  |  |  |  |  |  |  |  |
| Soil and water testing |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Livestock Production and Management |  |  |  |  |  |  |  |  |  |  |
| Dairy Management | 1 | 1 | 17 | 18 | 4 | 0 | 4 | 5 | 17 | 22 |
| Poultry Management |  |  |  |  |  |  |  |  |  |  |
| Piggery Management |  |  |  |  |  |  |  |  |  |  |
| Rabbit Management |  |  |  |  |  |  |  |  |  |  |
| Animal Nutrition Management | 4 | 48 | 0 | 48 | 31 | 31 | 62 | 79 | 31 | 110 |
| Animal Disease Management |  |  |  |  |  |  |  |  |  |  |
| Feed and Fodder technology |  |  |  |  |  |  |  |  |  |  |
| Production of quality animal products |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Home Science/Women empowerment |  |  |  |  |  |  |  |  |  |  |
| Household food security by kitchen gardening and nutrition gardening |  |  |  |  |  |  |  |  |  |  |
| Design and development of low/minimum cost diet |  |  |  |  |  |  |  |  |  |  |
| Designing and development for high nutrient efficiency diet |  |  |  |  |  |  |  |  |  |  |
| Minimization of nutrient loss in processing |  |  |  |  |  |  |  |  |  |  |
| Processing and cooking |  |  |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  |  |  |  |  |
| Storage loss minimization techniques |  |  |  |  |  |  |  |  |  |  |
| Value addition | 3 | 75 | 0 | 75 | 6 | 11 | 17 | 81 | 11 | 92 |
| Women empowerment | 1 | 8 | 2 | 10 | 0 | 0 | 0 | 8 | 2 | 10 |
| Location specific drudgery production |  |  |  |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  |  |  |  |  |  |
| Women and child care |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| EDP for women | 6 | 10 | 93 | 103 | 0 | 28 | 28 | 10 | 121 | 131 |
| Household nutritional security |  |  |  |  |  |  |  |  |  |  |


| Area of training | No. of Cours es | No. of Participants |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | General |  |  | SC/ST |  |  | Grand Total |  |  |
|  |  | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Agril. Engineering |  |  |  |  |  |  |  |  |  |  |
| Farm machinery and its maintenance |  |  |  |  |  |  |  |  |  |  |
| Installation and maintenance of micro irrigation systems |  |  |  |  |  |  |  |  |  |  |
| Use of Plastics in farming practices |  |  |  |  |  |  |  |  |  |  |
| Production of small tools and implements |  |  |  |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |
| Small scale processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Post Harvest Technology | 2 | 0 | 47 | 47 | 0 | 13 | 13 | 0 | 60 | 60 |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Plant Protection |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management | 2 | 30 | 10 | 40 | 6 | 7 | 13 | 36 | 17 | 53 |
| Integrated Disease Management |  |  |  |  |  |  |  |  |  |  |
| Bio-control of pests and diseases |  |  |  |  |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Organic farming | 8 | 165 | 56 | 221 | 26 | 10 | 36 | 191 | 66 | 257 |
| Fisheries |  |  |  |  |  |  |  |  |  |  |
| Integrated fish farming |  |  |  |  |  |  |  |  |  |  |
| Carp breeding and hatchery management |  |  |  |  |  |  |  |  |  |  |
| Carp fry and fingerling rearing |  |  |  |  |  |  |  |  |  |  |
| Composite fish culture |  |  |  |  |  |  |  |  |  |  |
| Hatchery management and culture of freshwater prawn |  |  |  |  |  |  |  |  |  |  |
| Breeding and culture of ornamental fishes |  |  |  |  |  |  |  |  |  |  |
| Portable plastic carp hatchery |  |  |  |  |  |  |  |  |  |  |
| Pen culture of fish and prawn |  |  |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  |  |  |  |  |  |
| Edible oyster farming |  |  |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  |  |  |  |  |  |
| Fish processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Production of Inputs at site |  |  |  |  |  |  |  |  |  |  |
| Seed Production |  |  |  |  |  |  |  |  |  |  |


| Area of training | No. of Cours es | No. of Participants |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | General |  |  | SC/ST |  |  | Grand Total |  |  |
|  |  | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Planting material production |  |  |  |  |  |  |  |  |  |  |
| Bio-agents production |  |  |  |  |  |  |  |  |  |  |
| Bio-pesticides production |  |  |  |  |  |  |  |  |  |  |
| Bio-fertilizer production |  |  |  |  |  |  |  |  |  |  |
| Vermi-compost production |  |  |  |  |  |  |  |  |  |  |
| Organic manures production |  |  |  |  |  |  |  |  |  |  |
| Production of fry and fingerlings |  |  |  |  |  |  |  |  |  |  |
| Production of Bee-colonies and wax sheets |  |  |  |  |  |  |  |  |  |  |
| Small tools and implements |  |  |  |  |  |  |  |  |  |  |
| Production of livestock feed and fodder |  |  |  |  |  |  |  |  |  |  |
| Production of Fish feed |  |  |  |  |  |  |  |  |  |  |
| Mushroom production |  |  |  |  |  |  |  |  |  |  |
| Apiculture |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Capacity Building and Group Dynamics |  |  |  |  |  |  |  |  |  |  |
| Leadership development |  |  |  |  |  |  |  |  |  |  |
| Group dynamics |  |  |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  |  |  |  |  |  |
| Mobilization of social capital |  |  |  |  |  |  |  |  |  |  |
| Entrepreneurial development of farmers/youths |  |  |  |  |  |  |  |  |  |  |
| Others (pl. specify) |  |  |  |  |  |  |  |  |  |  |
| Group Dynamics and farmers organization | 2 | 75 | 0 | 75 | 15 | 0 | 15 | 90 | 0 | 90 |
| Agro-forestry |  |  |  |  |  |  |  |  |  |  |
| Production technologies |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming Systems | 1 | 32 | 20 | 52 | 12 | 7 | 19 | 44 | 27 | 71 |
| Others (PI. specify) |  |  |  |  |  |  |  |  |  |  |
| TOTAL | 56 | 939 | 344 | 1282 | 366 | 130 | 620 | 1206 | 638 | 1714 |

## 7.B Training of Farmers and Farm Women including sponsored training programmes (Off campus)

| Area of training | No. of Cours es | No. of Participants |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | General |  |  | SC/ST |  |  | Grand Total |  |  |
|  |  | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Crop Production |  |  |  |  |  |  |  |  |  |  |
| Weed Management |  |  |  |  |  |  |  |  |  |  |
| Resource Conservation Technologies |  |  |  |  |  |  |  |  |  |  |
| Cropping Systems |  |  |  |  |  |  |  |  |  |  |
| Crop Diversification | 2 | 14 | 0 | 14 | 22 | 15 | 37 | 36 | 15 | 51 |
| Integrated Farming |  |  |  |  |  |  |  |  |  |  |
| Micro Irrigation/Irrigation |  |  |  |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Integrated Crop Management | 8 | 142 | 10 | 152 | 52 | 1 | 53 | 194 | 11 | 205 |
| Soil and Water Conservation |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient Management | 1 | 28 | 0 | 28 | 3 | 0 | 3 | 31 | 0 | 31 |
| Production of organic inputs |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology | 4 | 63 | 0 | 63 | 4 | 0 | 4 | 67 | 0 | 67 |
| Horticulture |  |  |  |  |  |  |  |  |  |  |
| a) Vegetable Crops |  |  |  |  |  |  |  |  |  |  |
| Production of low value and high volume crop |  |  |  |  |  |  |  |  |  |  |
| Off-season vegetables |  |  |  |  |  |  |  |  |  |  |
| Nursery raising |  |  |  |  |  |  |  |  |  |  |
| Exotic vegetables |  |  |  |  |  |  |  |  |  |  |
| Export potential vegetables |  |  |  |  |  |  |  |  |  |  |
| Grading and standardization |  |  |  |  |  |  |  |  |  |  |
| Protective cultivation |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| ICM in vegetables | 8 | 160 | 6 | 166 | 25 | 3 | 28 | 185 | 9 | 194 |
| INM in vegetables | 2 | 37 | 4 | 41 | 1 | 0 | 1 | 38 | 4 | 42 |
| b) Fruits |  |  |  |  |  |  |  |  |  |  |
| Training and Pruning |  |  |  |  |  |  |  |  |  |  |
| Layout and Management of Orchards |  |  |  |  |  |  |  |  |  |  |
| Cultivation of Fruit |  |  |  |  |  |  |  |  |  |  |
| Management of young plants/orchards |  |  |  |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  |  |  |  |  |
| Export potential fruits |  |  |  |  |  |  |  |  |  |  |
| Micro irrigation systems of orchards |  |  |  |  |  |  |  |  |  |  |
| Plant propagation |  |  |  |  |  |  |  |  |  |  |


| Area of training | No. of Cours es | No. of Participants |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | General |  |  | SC/ST |  |  | Grand Total |  |  |
|  |  | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| techniques |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Post harvest technology and value addition |  |  |  |  |  |  |  |  |  |  |
| c) Ornamental Plants |  |  |  |  |  |  |  |  |  |  |
| Nursery Management |  |  |  |  |  |  |  |  |  |  |
| Management of potted plants |  |  |  |  |  |  |  |  |  |  |
| Export potential of ornamental plants |  |  |  |  |  |  |  |  |  |  |
| Propagation techniques of Ornamental Plants |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| INM in flower crops | 3 | 49 | 11 | 60 | 3 | 0 | 3 | 52 | 11 | 63 |
| Post harvest management in flower crops | 1 | 18 | 2 | 20 | 4 | 0 | 4 | 22 | 2 | 24 |
| d) Plantation crops |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology | 3 | 53 | 2 | 55 | 17 | 2 | 19 | 70 | 4 | 74 |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| e) Tuber crops |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| f) Spices |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| g) Medicinal and Aromatic Plants |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Production and management technology |  |  |  |  |  |  |  |  |  |  |
| Post harvest technology and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Soil Health and Fertility Management |  |  |  |  |  |  |  |  |  |  |
| Soil fertility management | 61 | 1604 | 0 | 1604 | 423 | 0 | 423 | 2027 | 0 | 2027 |
| Integrated water management |  |  |  |  |  |  |  |  |  |  |
| Integrated nutrient management | 2 | 0 | 0 | 0 | 46 | 0 | 46 | 46 | 0 | 46 |
| Production and use of organic inputs | 1 | 35 | 0 | 35 | 4 | 0 | 4 | 39 | 0 | 39 |


| Area of training | No. of Cours es | No. of Participants |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | General |  |  | SC/ST |  |  | Grand Total |  |  |
|  |  | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Management of Problematic soils |  |  |  |  |  |  |  |  |  |  |
| Micro nutrient deficiency in crops |  |  |  |  |  |  |  |  |  |  |
| Nutrient use efficiency |  |  |  |  |  |  |  |  |  |  |
| Balanced use of fertilizers |  |  |  |  |  |  |  |  |  |  |
| Soil and water testing |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Livestock Production and Management |  |  |  |  |  |  |  |  |  |  |
| Dairy Management |  |  |  |  |  |  |  |  |  |  |
| Poultry Management |  |  |  |  |  |  |  |  |  |  |
| Piggery Management |  |  |  |  |  |  |  |  |  |  |
| Rabbit Management |  |  |  |  |  |  |  |  |  |  |
| Animal Nutrition Management | 1 | 29 | 0 | 29 | 9 | 0 | 9 | 38 | 0 | 38 |
| Animal Disease Management |  |  |  |  |  |  |  |  |  |  |
| Feed and Fodder technology |  |  |  |  |  |  |  |  |  |  |
| Production of quality animal products |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Home Science/Women empowerment |  |  |  |  |  |  |  |  |  |  |
| Household food security by kitchen gardening and nutrition gardening | 6 | 23 | 94 | 117 | 0 | 7 | 7 | 23 | 101 | 124 |
| Design and development of low/minimum cost diet |  |  |  |  |  |  |  |  |  |  |
| Designing and development for high nutrient efficiency diet | 1 | 0 | 15 | 15 | 0 | 7 | 7 | 0 | 22 | 22 |
| Minimization of nutrient loss in processing |  |  |  |  |  |  |  |  |  |  |
| Processing and cooking |  |  |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  |  |  |  |  |
| Storage loss minimization techniques | 2 | 4 | 31 | 35 | 0 | 0 | 0 | 4 | 31 | 35 |
| Value addition | 3 | 0 | 69 | 69 | 0 | 18 | 18 | 0 | 87 | 87 |
| Women empowerment | 2 | 0 | 29 | 29 | 0 | 11 | 11 | 0 | 40 | 40 |
| Location specific drudgery production | 3 | 8 | 32 | 40 | 0 | 5 | 5 | 8 | 37 | 45 |
| Rural Crafts |  |  |  |  |  |  |  |  |  |  |
| Women and child care | 2 | 0 | 20 | 20 | 0 | 9 | 9 | 0 | 29 | 29 |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Income Generating Activities | 2 | 0 | 30 | 30 | 0 | 2 | 2 | 0 | 32 | 32 |
| Entrepreneurship Development for women | 3 | 0 | 62 | 62 | 0 | 13 | 13 | 0 | 75 | 75 |
| Agril. Engineering |  |  |  |  |  |  |  |  |  |  |


| Area of training | No. of Cours es | No. of Participants |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | General |  |  | SC/ST |  |  | Grand Total |  |  |
|  |  | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Farm machinery and its maintenance |  |  |  |  |  |  |  |  |  |  |
| Installation and maintenance of micro irrigation systems |  |  |  |  |  |  |  |  |  |  |
| Use of Plastics in farming practices |  |  |  |  |  |  |  |  |  |  |
| Production of small tools and implements |  |  |  |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |
| Small scale processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Post Harvest Technology | 1 | 0 | 12 | 12 | 6 | 0 | 6 | 6 | 12 | 18 |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Plant Protection |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management | 18 | 409 | 2 | 411 | 105 | 11 | 116 | 514 | 13 | 527 |
| Integrated Disease Management | 2 | 27 | 26 | 53 | 7 | 4 | 11 | 34 | 30 | 64 |
| Bio-control of pests and diseases |  |  |  |  |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides | 1 | 14 | 0 | 14 | 2 | 3 | 5 | 16 | 3 | 19 |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Integrated pest and disease management | 6 | 116 | 25 | 141 | 16 | 5 | 21 | 132 | 30 | 162 |
| Organic farming | 8 | 189 | 33 | 222 | 30 | 4 | 34 | 219 | 37 | 256 |
| Fisheries |  |  |  |  |  |  |  |  |  |  |
| Integrated fish farming |  |  |  |  |  |  |  |  |  |  |
| Carp breeding and hatchery management |  |  |  |  |  |  |  |  |  |  |
| Carp fry and fingerling rearing |  |  |  |  |  |  |  |  |  |  |
| Composite fish culture |  |  |  |  |  |  |  |  |  |  |
| Hatchery management and culture of freshwater prawn |  |  |  |  |  |  |  |  |  |  |
| Breeding and culture of ornamental fishes |  |  |  |  |  |  |  |  |  |  |
| Portable plastic carp hatchery |  |  |  |  |  |  |  |  |  |  |
| Pen culture of fish and prawn |  |  |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  |  |  |  |  |  |
| Edible oyster farming |  |  |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  |  |  |  |  |  |
| Fish processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |


| Area of training | No. of Cours es | No. of Participants |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | General |  |  | SC/ST |  |  | Grand Total |  |  |
|  |  | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Production of Inputs at site |  |  |  |  |  |  |  |  |  |  |
| Seed Production |  |  |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  |  |  |  |  |  |
| Bio-agents production |  |  |  |  |  |  |  |  |  |  |
| Bio-pesticides production |  |  |  |  |  |  |  |  |  |  |
| Bio-fertilizer production |  |  |  |  |  |  |  |  |  |  |
| Vermi-compost production | 1 | 5 | 16 | 21 | 0 | 0 | 0 | 5 | 16 | 21 |
| Organic manures production |  |  |  |  |  |  |  |  |  |  |
| Production of fry and fingerlings |  |  |  |  |  |  |  |  |  |  |
| Production of Bee-colonies and wax sheets |  |  |  |  |  |  |  |  |  |  |
| Small tools and implements |  |  |  |  |  |  |  |  |  |  |
| Production of livestock feed and fodder |  |  |  |  |  |  |  |  |  |  |
| Production of Fish feed |  |  |  |  |  |  |  |  |  |  |
| Mushroom production |  |  |  |  |  |  |  |  |  |  |
| Apiculture |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Capacity Building and Group Dynamics |  |  |  |  |  |  |  |  |  |  |
| Leadership development |  |  |  |  |  |  |  |  |  |  |
| Group dynamics |  |  |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  |  |  |  |  |  |
| Mobilization of social capital |  |  |  |  |  |  |  |  |  |  |
| Entrepreneurial development of farmers/youths |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Agro-forestry |  |  |  |  |  |  |  |  |  |  |
| Production technologies |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming Systems |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |
| TOTAL | 158 | 3027 | 531 | 3558 | 779 | 120 | 899 | 3806 | 651 | 4457 |

7.C. Training for Rural Youths including sponsored training programmes (on campus)

| Area of training | No. of Cou rses | No. of Participants |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | General |  |  | SC/ST |  |  | Grand Total |  |  |
|  |  | Male | Female | Total | Male | Fem ale | Total | Male | Fem ale | Total |
| Nursery Management of Horticulture crops |  |  |  |  |  |  |  |  |  |  |
| Training and pruning of orchards |  |  |  |  |  |  |  |  |  |  |
| Protected cultivation of vegetable crops |  |  |  |  |  |  |  |  |  |  |
| Commercial fruit production |  |  |  |  |  |  |  |  |  |  |
| Integrated farming |  |  |  |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  |  |  |  |  |  |
| Production of organic inputs | 1 | 18 | 0 | 18 | 0 | 2 | 2 | 18 | 2 | 20 |
| Planting material production |  |  |  |  |  |  |  |  |  |  |
| Vermi-culture |  |  |  |  |  |  |  |  |  |  |
| Mushroom Production |  |  |  |  |  |  |  |  |  |  |
| Bee-keeping |  |  |  |  |  |  |  |  |  |  |
| Sericulture |  |  |  |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |
| Value addition |  |  |  |  |  |  |  |  |  |  |
| Small scale processing |  |  |  |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  |  |  |  |  |  |
| Tailoring and Stitching |  |  |  |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  |  |  |  |  |  |
| Production of quality animal products |  |  |  |  |  |  |  |  |  |  |
| Dairying | 4 | 76 | 4 | 80 | 11 | 11 | 22 | 87 | 15 | 102 |
| Sheep and goat rearing |  |  |  |  |  |  |  |  |  |  |
| Quail farming |  |  |  |  |  |  |  |  |  |  |
| Piggery |  |  |  |  |  |  |  |  |  |  |
| Rabbit farming |  |  |  |  |  |  |  |  |  |  |
| Poultry production |  |  |  |  |  |  |  |  |  |  |
| Ornamental fisheries |  |  |  |  |  |  |  |  |  |  |
| Composite fish culture |  |  |  |  |  |  |  |  |  |  |
| Freshwater prawn culture |  |  |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  |  |  |  |  |  |
| Cold water fisheries |  |  |  |  |  |  |  |  |  |  |
| Fish harvest and processing technology |  |  |  |  |  |  |  |  |  |  |
| Fry and fingerling rearing |  |  |  |  |  |  |  |  |  |  |
| Any other (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Women empowerment | 1 | 0 | 25 | 25 | 2 | 3 | 5 | 2 | 28 | 30 |
| TOTAL | 6 | 94 | 29 | 123 | 13 | 16 | 29 | 107 | 45 | 152 |

7.D. Training for Rural Youths including sponsored training programmes (off campus)

| Area of training | No. of Cour ses | No. of Participants |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | General |  |  | SC/ST |  |  | Grand Total |  |  |
|  |  | Male | Fem ale | Total | Male | Fem ale | Total | Male | Fem ale | Total |
| Nursery Management of Horticulture crops |  |  |  |  |  |  |  |  |  |  |
| Training and pruning of orchards |  |  |  |  |  |  |  |  |  |  |
| Protected cultivation of vegetable crops |  |  |  |  |  |  |  |  |  |  |
| Commercial fruit production |  |  |  |  |  |  |  |  |  |  |
| Integrated farming |  |  |  |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  |  |  |  |  |  |
| Production of organic inputs |  |  |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  |  |  |  |  |  |
| Vermi-culture |  |  |  |  |  |  |  |  |  |  |
| Mushroom Production |  |  |  |  |  |  |  |  |  |  |
| Bee-keeping |  |  |  |  |  |  |  |  |  |  |
| Sericulture |  |  |  |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |
| Value addition |  |  |  |  |  |  |  |  |  |  |
| Small scale processing |  |  |  |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  |  |  |  |  |  |
| Tailoring and Stitching | 1 | 0 | 24 | 24 | 0 | 2 | 2 | 0 | 26 | 26 |
| Rural Crafts |  |  |  |  |  |  |  |  |  |  |
| Production of quality animal products |  |  |  |  |  |  |  |  |  |  |
| Dairying |  |  |  |  |  |  |  |  |  |  |
| Sheep and goat rearing |  |  |  |  |  |  |  |  |  |  |
| Quail farming |  |  |  |  |  |  |  |  |  |  |
| Piggery |  |  |  |  |  |  |  |  |  |  |
| Rabbit farming |  |  |  |  |  |  |  |  |  |  |
| Poultry production |  |  |  |  |  |  |  |  |  |  |
| Ornamental fisheries |  |  |  |  |  |  |  |  |  |  |
| Composite fish culture |  |  |  |  |  |  |  |  |  |  |
| Freshwater prawn culture |  |  |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  |  |  |  |  |  |
| Cold water fisheries |  |  |  |  |  |  |  |  |  |  |
| Fish harvest and processing technology |  |  |  |  |  |  |  |  |  |  |
| Fry and fingerling rearing |  |  |  |  |  |  |  |  |  |  |
| Any other (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Entrepreneurship Development Programme |  |  |  |  |  |  |  |  |  |  |
| TOTAL | 1 | 0 | 24 | 24 | 0 | 2 | 2 | 0 | 26 | 26 |

7.E. Training programmes for Extension Personnel including sponsored training programmes (on campus)

| Area of training | No. of Cour ses | No. of Participants |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | General |  |  | SC/ST |  |  | Grand Total |  |  |
|  |  | Male | Fem ale | Total | Male | Fem ale | Total | Male | Fem ale | Total |
| Productivity enhancement in field crops | 2 | 42 | 5 | 47 | 0 | 0 | 0 | 42 | 5 | 47 |
| Integrated Pest Management |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient management |  |  |  |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  |  |  |  |  |
| Protected cultivation technology |  |  |  |  |  |  |  |  |  |  |
| Production and use of organic inputs |  |  |  |  |  |  |  |  |  |  |
| Care and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  |  |  |  |  |  |
| Women and Child care |  |  |  |  |  |  |  |  |  |  |
| Low cost and nutrient efficient diet designing |  |  |  |  |  |  |  |  |  |  |
| Group Dynamics and farmers organization |  |  |  |  |  |  |  |  |  |  |
| Information networking among farmers |  |  |  |  |  |  |  |  |  |  |
| Capacity building for ICT application |  |  |  |  |  |  |  |  |  |  |
| Management in farm animals |  |  |  |  |  |  |  |  |  |  |
| Livestock feed and fodder production |  |  |  |  |  |  |  |  |  |  |
| Household food security |  |  |  |  |  |  |  |  |  |  |
| Any other (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Household nutritional security | 3 | 14 | 40 | 54 | 3 | 4 | 7 | 17 | 44 | 61 |
| Total | 5 | 56 | 45 | 101 | 3 | 4 | 7 | 59 | 49 | 108 |

7.F. Training programmes for Extension Personnel including sponsored training programmes (off campus)

| Area of training | No. of Cours es | No. of Participants |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | General |  |  | SC/ST |  |  | Grand Total |  |  |
|  |  | Male | Fem ale | Total | Male | Fem ale | Tot al | $\begin{gathered} \text { Ma } \\ \text { le } \end{gathered}$ | Fem ale | Total |
| Productivity enhancement in field crops |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient management |  |  |  |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  |  |  |  |  |
| Protected cultivation technology |  |  |  |  |  |  |  |  |  |  |
| Production and use of organic inputs |  |  |  |  |  |  |  |  |  |  |
| Care and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  |  |  |  |  |  |
| Women and Child care | 6 | 5 | 124 | 129 | 0 | 30 | 30 | 5 | 154 | 204 |
| Low cost and nutrient efficient diet designing |  |  |  |  |  |  |  |  |  |  |
| Group Dynamics and farmers organization |  |  |  |  |  |  |  |  |  |  |
| Information networking among farmers |  |  |  |  |  |  |  |  |  |  |
| Capacity building for ICT application |  |  |  |  |  |  |  |  |  |  |
| Management in farm animals |  |  |  |  |  |  |  |  |  |  |
| Livestock feed and fodder production |  |  |  |  |  |  |  |  |  |  |
| Household food security |  |  |  |  |  |  |  |  |  |  |
| Any other (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Soil and water testing |  |  |  |  |  |  |  |  |  |  |
| Total | 6 | 5 | 124 | 129 | 0 | 30 | 30 | 5 | 154 | 204 |

7.G. Sponsored training programmes conducted

| S. No. | Area of training | No. of Cour ses | No. of Participants |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | General |  |  | SC/ST |  |  | Grand Total |  |  |
|  |  |  | Male | Fem ale | Total | Male | Fem ale | Total | Male | Fem ale | Total |
| 1 | Crop production and management |  |  |  |  |  |  |  |  |  |  |
| 1.a. | Increasing production and productivity of crops | 5 | 78 | 37 | 115 | 12 | 1 | 13 | 90 | 38 | 128 |
| 1.b. | Commercial production of vegetables |  |  |  |  |  |  |  |  |  |  |
| 2 | Production and value addition |  |  |  |  |  |  |  |  |  |  |
| 2.a. | Fruit Plants | 1 | 26 | 0 | 26 | 10 | 0 | 10 | 36 | 0 | 36 |
| 2.b. | Ornamental plants |  |  |  |  |  |  |  |  |  |  |
| 2.c. | Spices crops |  |  |  |  |  |  |  |  |  |  |
| 3. | Soil health and fertility management | 61 | 1605 | 0 | 1605 | 426 | 0 | 426 | 2031 | 0 | 2031 |
| 4 | Production of Inputs at site | 1 | 14 | 0 | 14 | 5 | 0 | 5 | 19 | 0 | 19 |
| 5 | Methods of protective cultivation |  |  |  |  |  |  |  |  |  |  |
| 6 | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
|  | Soil and water conservation | 5 | 56 | 52 | 108 | 15 | 10 | 25 | 71 | 62 | 133 |
| 7 | Post harvest technology and value addition |  |  |  |  |  |  |  |  |  |  |
| 7.a. | Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| 7.b. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
|  | Storage loss minimization techniques |  |  |  |  |  |  |  |  |  |  |
| 8 | Farm machinery |  |  |  |  |  |  |  |  |  |  |
| 8.a. | Farm machinery, tools and implements |  |  |  |  |  |  |  |  |  |  |
| 8.b. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| 9. | Livestock and fisheries |  |  |  |  |  |  |  |  |  |  |
| 10 | Livestock production and management |  |  |  |  |  |  |  |  |  |  |
| 10.a. | Animal Nutrition Management |  |  |  |  |  |  |  |  |  |  |
| 10.b. | Animal Disease Management |  |  |  |  |  |  |  |  |  |  |
| 10.c | Fisheries Nutrition |  |  |  |  |  |  |  |  |  |  |
| 10.d | Fisheries Management |  |  |  |  |  |  |  |  |  |  |
| 10.e. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
|  | Dairy management | 1 | 1 | 17 | 18 | 4 | 0 | 4 | 5 | 17 | 22 |
| 11. | Home Science |  |  |  |  |  |  |  |  |  |  |
| 11.a. | Household nutritional security | 3 | 23 | 58 | 81 | 8 | 3 | 11 | 31 | 61 | 92 |
| 11.b. | Economic empowerment of women | 4 | 0 | 102 | 102 | 0 | 18 | 18 | 0 | 120 | 120 |
| 11.c. | Drudgery reduction of women |  |  |  |  |  |  |  |  |  |  |
| 11.d. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| 12 | Agricultural Extension |  |  |  |  |  |  |  |  |  |  |
| 12.a. | Capacity Building and Group Dynamics |  |  |  |  |  |  |  |  |  |  |
| 12.b. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
|  | Integrated farming system | 1 | 32 | 20 | 52 | 12 | 7 | 19 | 44 | 27 | 71 |
|  | Organic farming | 5 | 100 | 56 | 156 | 13 | 10 | 23 | 113 | 66 | 179 |
|  | Integrated Pest | 2 | 40 | 8 | 48 | 2 | 1 | 3 | 42 | 9 | 51 |


| S. No. | Area of training | No. of Cour ses | No. of Participants |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | General |  |  | SC/ST |  |  | Grand Total |  |  |
|  |  |  | Male | Fem ale | Total | Male | Fem ale | Total | Male | Fem ale | Total |
|  | Management |  |  |  |  |  |  |  |  |  |  |
|  | Total | 84 | 1961 | 350 | 2311 | 502 | 50 | 552 | 2482 | 400 | 2863 |

Details of sponsoring agencies involved
i) ASF, Hulkoti
ii) KSDA
iii) CADA
iv) Karnataka State Department of Agriculture
v) UAS, Dharwad
vi) GITSERD, Hulkoti
vii) ATMA
7.H. Details of Vocational Training Programmes carried out by KVKs for rural youth

| SI. <br> No. | Area of training | No. of Cour ses | No. of Participants |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | General |  |  | SC/ST |  |  | Grand Total |  |  |
|  |  |  | Male | Fem ale | Tot al | Male | Fem ale | Tot al | Male | Fem ale | Total |
| 1 | Crop production and management |  |  |  |  |  |  |  |  |  |  |
| 1.a. | Commercial floriculture |  |  |  |  |  |  |  |  |  |  |
| 1.b. | Commercial fruit production |  |  |  |  |  |  |  |  |  |  |
| 1.c. | Commercial vegetable production |  |  |  |  |  |  |  |  |  |  |
| 1.d. | Integrated crop management |  |  |  |  |  |  |  |  |  |  |
| 1.e. | Organic farming |  |  |  |  |  |  |  |  |  |  |
| 1.f. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| 2 | Post harvest technology and value addition |  |  |  |  |  |  |  |  |  |  |
| 2.a. | Value addition |  |  |  |  |  |  |  |  |  |  |
| 2.b. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| 3. | Livestock and fisheries |  |  |  |  |  |  |  |  |  |  |
| 3.a. | Dairy farming | 1 | 19 | 1 | 20 | 0 | 0 | 0 | 19 | 1 | 20 |
| 3.b. | Composite fish culture |  |  |  |  |  |  |  |  |  |  |
| 3.c. | Sheep and goat rearing |  |  |  |  |  |  |  |  |  |  |
| 3.d. | Piggery |  |  |  |  |  |  |  |  |  |  |
| 3.e. | Poultry farming |  |  |  |  |  |  |  |  |  |  |
| 3.f. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| 4. | Income generation activities |  |  |  |  |  |  |  |  |  |  |
| 4.a. | Vermi-composting | 1 | 18 | 1 | 19 | 1 | 0 | 1 | 19 | 1 | 20 |
| 4.b. | Production of bio-agents, biopesticides, bio-fertilizers etc. |  |  |  |  |  |  |  |  |  |  |
| 4.c. | Repair and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |
| 4.d. | Rural Crafts |  |  |  |  |  |  |  |  |  |  |
| 4.e. | Seed production |  |  |  |  |  |  |  |  |  |  |
| 4.f. | Sericulture |  |  |  |  |  |  |  |  |  |  |
| 4.g. | Mushroom cultivation |  |  |  |  |  |  |  |  |  |  |
| 4.h. | Nursery, grafting etc. |  |  |  |  |  |  |  |  |  |  |
| 4.i. | Tailoring, stitching, embroidery, dying etc. | 1 | 0 | 24 | 24 | 0 | 2 | 2 | 0 | 26 | 26 |
| 4.j. | Agril. para-workers, para-vet training |  |  |  |  |  |  |  |  |  |  |
| 4.k. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
|  | Women empowerment | 1 | 0 | 25 | 25 | 0 | 5 | 5 | 0 | 30 | 30 |
| 5 | Agricultural Extension |  |  |  |  |  |  |  |  |  |  |
| 5.a. | Capacity building and group dynamics |  |  |  |  |  |  |  |  |  |  |
| 5.b. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
|  | Grand Total | 4 | 37 | 51 | 88 | 1 | 7 | 8 | 38 | 58 | 96 |

7.I. Details of Skill Training Programmes carried out by KVKs under ASCI :

| S. No. | Name of Job Role | Date of Start | DateofAssessment | Total Expenditur e (Rs.) | No. of Participants |  |  |  |  |  |  |  |  | No of Partic ipants passe d asses sment |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  | General |  |  | SC/ST |  |  | Grand Total |  |  |  |
|  |  |  |  |  | Male | Fem ale | To tal | $\begin{gathered} \text { Ma } \\ \text { le } \end{gathered}$ | Fem ale | To tal | $\begin{gathered} \mathrm{Ma} \\ \mathrm{le} \end{gathered}$ | Fem ale | Total |  |
| 1 | Vermicompost producer | $\begin{gathered} 01-01- \\ 2020 \end{gathered}$ | $\begin{aligned} & 26-02- \\ & 2020 \end{aligned}$ | 179898 | 18 | 0 | 18 | 2 | 0 | 2 | 20 | 0 | 20 | 17 |
| 2. | Dairy farmer/ entrepreneur | $\begin{gathered} 01-01- \\ 2020 \end{gathered}$ | $\begin{gathered} 27-02- \\ 2020 \end{gathered}$ | 210743 | 16 | 0 | 16 | 4 | 0 | 4 | 20 | 0 | 20 | 19 |

## PART VIII - EXTENSION ACTIVITIES (2019-20)

### 8.1 Extension Programmes (including extension activities undertaken in FLD programmes)

| Nature of Extension Programme | No. of Programmes | No. of Participants (General) |  |  | No. of Participants SC / ST |  |  | No.of extension personnel |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Field Day | 17 | 658 | 84 | 742 | 184 | 20 | 204 | 37 | 3 | 40 |
| Kisan Mela | 3 | 1311 | 1366 | 2677 | 58 | 35 | 93 | 70 | 11 | 81 |
| Kisan Ghosthi | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 7 | 32 | 39 |
| Exhibition | 3 | 8225 | 7977 | 16202 | 2000 | 1081 | 3081 | 42 | 30 | 72 |
| Film Show | 3 | 3 | 51 | 54 | 12 | 5 | 17 | 0 | 0 | 0 |
| Method Demonstrations | 22 | 346 | 246 | 592 | 77 | 50 | 127 | 22 | 1 | 23 |
| Farmers Seminar | 3 | 175 | 0 | 175 | 44 | 0 | 44 | 61 | 8 | 69 |
| Workshop | 3 | 586 | 0 | 586 | 0 | 0 | 0 | 55 | 4 | 59 |
| Group meetings | 18 | 401 | 22 | 423 | 122 | 0 | 122 | 12 | 5 | 17 |
| Lectures delivered as resource persons | 9 | 424 | 436 | 860 | 45 | 50 | 95 | 13 | 7 | 20 |
| Newspaper coverage | 45 |  |  |  |  |  |  |  |  |  |
| Radio talks | 3 |  |  |  |  |  |  |  |  |  |
| TV talks | 0 |  |  |  |  |  |  |  |  |  |
| Popular articles | 5 |  |  |  |  |  |  |  |  |  |
| Extension Literature | 51 |  |  |  |  |  |  |  |  |  |
| Advisory Services | 392 | 369 | 12 | 381 | 4 | 0 | 4 | 3 | 4 | 7 |
| Scientific visit to farmers field | 188 | 1102 | 158 | 1260 | 70 | 72 | 142 | 24 | 15 | 39 |
| Farmers visit to KVK | 353 | 913 | 361 | 1274 | 19 | 13 | 32 | 11 | 15 | 26 |
| Diagnostic visits | 8 | 28 | 1 | 29 | 0 | 0 | 0 | 3 | 2 | 5 |
| Exposure visits | 5 | 110 | 37 | 147 | 0 | 0 | 0 |  | 1 | 5 |
| Ex-trainees Sammelan | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Soil health Camp | 3 | 195 | 0 | 195 | 72 | 0 | 72 | 0 | 0 | 0 |
| Animal Health Camp | 1 | 53 | 5 | 58 | 0 | 0 | 0 | 2 | 0 | 2 |
| Agri mobile clinic | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Soil test campaigns | 5 | 193 | 0 | 193 | 27 | 0 | 27 | 0 | 0 | 0 |
| Farm Science Club Conveners meet | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Self Help Group Conveners meetings | 1 | 0 | 6 | 6 | 0 | 0 | 0 | 0 | 2 | 2 |
| Mahila Mandals Conveners meetings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |


| Nature of Extension Programme | No. of Programmes | No. of Participants (General) |  |  | No. of Participants SC / ST |  |  | No.of extension personnel |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Celebration of important days (specify) |  |  |  | 0 |  |  | 0 |  |  | 0 |
| International Yoga day | 1 | 36 | 26 | 62 | 0 | 0 | 0 | 10 | 4 | 14 |
| Parthenium Awareness week | 1 | 35 | 0 | 35 | 12 | 0 | 12 | 0 | 0 | 0 |
| World No tobacco day | 1 | 0 | 20 | 20 | 0 | 0 | 0 | 20 | 10 | 30 |
| Vigilance awareness week | 1 | 32 | 24 | 56 | 0 | 0 | 0 | 10 | 4 | 14 |
| World food day | 1 | 35 | 100 | 135 | 10 | 27 | 37 | 19 | 1 | 20 |
| World soil day | 1 | 132 | 25 | 157 | 20 | 10 | 30 | 10 | 5 | 15 |
| Kisan Diwas | 1 | 150 | 100 | 250 | 30 | 6 | 36 | 5 | 5 | 10 |
| Any Other (Specify) |  |  |  | 0 |  |  | 0 |  |  | 0 |
| Bi-monthly meetings | 3 | 0 | 0 | 0 | 0 | 0 | 0 | 92 | 14 | 106 |
| Swachcha Bharath Abhiyan | 26 | 1008 | 350 | 1358 | 70 | 35 | 105 | 42 | 29 | 71 |
| Total | 1178 | 16520 | 11407 | 27927 | 2876 | 1404 | 4280 | 574 | 212 | 786 |

### 8.2 Special Extension Programmes

| Nature of Extension <br> Programme | Date(s) <br> conducted | No. of farmers <br> (General) |  |  | No. of farmers <br> SC / ST |  |  | No.of extension <br> personnel |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Female | Total | Male | Female | Total | Male | Female | Total |  |
| Jal Shakti Abhiyan |  | 1229 | 1323 | 2677 | 82 | 43 | 125 | 67 | 10 | 77 |
| Fertilizer Use <br> Awareness <br> Campaign | $22-10-2019$ | 175 | 18 | 211 | 11 | 7 | 18 | 5 | 4 | 9 |
| National Animal <br> Disease Control <br> Programme | $11-09-2019$ | 173 | 72 | 270 | 15 | 10 | 25 | 25 | 10 | 35 |
| Tree Plantation <br> Campaign | $17-09-2019$ | 112 | 64 | 190 | 8 | 6 | 14 | 40 | 24 | 64 |
| Any other, Pl. specify |  |  |  |  |  |  |  |  |  |  |

## PART IX - PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIALS

| Crop category | Name of the crop | Variety | Hybrid | Quantity of seed (qtI) | Value <br> (Rs) | Number of <br> farmers to whom <br> provided |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Cereals (crop wise) | Rabi Sorghum | SPV-2217 |  | 10.93 | 46450 | 201 |
|  | Foxtail millet | DHFT-109-3 |  | 0.45 | 3300 | 25 |
|  | Browntop Millet | Local |  | 0.05 | 700 | 5 |
|  | Little Millet | DHLM-36-3 |  | 0.35 | 2150 | 15 |
|  | Proso Millet | DHPM-2769 |  | 0.05 | 350 | 5 |
| Oilseeds | Groundnut | DH-256 |  | 15.00 | 105000 | 25 |
|  | Safflower | ISF-764 |  | 10.62 | 106200 | 41 |
| Pulses | Bengalgram | JAKI-9218 |  | 22 | 220000 | 110 |
|  | Bengalgram | BGD.111-01 |  | 0.60 | 6000 | 3 |
|  | Bengalgram | DBGV-204 |  | 0.60 | 6000 | 3 |
|  | Greengram | DGGV-2 |  | 8.10 | 70200 | 112 |
|  | Redgram | TS-3R |  | 6.96 | 69600 | 155 |
| Commercial crops |  |  |  |  |  |  |
| Vegetables | Onion | Arka Kalyan |  | 4.13 | 413000 | 123 |
|  | Onion | Bheema Super |  | 3.44 | 344000 | 239 |
| Flower crops |  |  |  |  |  |  |
| Spices |  |  |  |  |  |  |
| Fodder crop seeds | Lucerne |  |  | 12.63 Kgs | 4780 | 30 |
|  | Perennial Sorghum |  |  | 2.9 Kgs | 1854 |  |
|  | Stylo haemata |  |  | 9.9 Kgs | 5432 | 17 |
| Fiber crops |  |  |  |  |  |  |
| Forest Species |  |  |  |  |  |  |
| Others (specify) | Ashwagandha |  |  | 0.40 | 10000 | 10 |
| Total |  |  |  | 83.93 | 1415016 | 1126 |

## 9.B. Production of planting materials by the KVKs

| Crop category | Name of the crop | Variety | Hybrid | Number | Value (Rs.)Number of <br> farmers to <br> whom <br> provided |  |
| :--- | :--- | :--- | :--- | :--- | :---: | :---: |
| Commercial |  |  |  |  |  |  |
| Vegetable seedlings | Drumstick | Bhagya |  | 206 | 5430 | 29 |
| Fruits | Mango | Alphonso |  | 200 | 20500 | 29 |
|  | Tamarind | PKM-1 |  | 150 | 15000 | 15 |
|  | Jamun | Vengurla-1 |  | 150 | 15000 | 15 |
|  | Guava | Lucknow-49 |  | 56 | 2300 | 14 |
|  | Lime | Kagzi Lime |  | 56 | 2200 | 14 |
|  | Papaya | Red Lady |  | 56 | 960 | 14 |
|  |  |  |  |  |  |  |
| Ornamental plants |  |  |  |  |  |  |
| Medicinal and Aromatic |  | Vengurla-4 |  | 1160 | 69600 | 24 |
| Plantation | Cashewnut | Suhashini |  | 206 | 5430 | 29 |
| Spices | Curryleaf |  |  | 10827 | 8120 | 20 |
| Tuber |  |  |  | 26368 | 18462 | 21 |
| Fodder crop saplings | Guiniea grass |  |  | 5940 | 6600 | 11 |
|  | Congo signal |  | 20104 | 14075 | 21 |  |
|  | Hybrid napier grass |  |  |  |  |  |


| Forest Species | Melia dubia |  |  | 741 | 18525 | 15 |
| :--- | :--- | :--- | :--- | ---: | ---: | :---: |
| Others(specify) |  |  |  |  |  |  |
| Total |  |  |  | $\mathbf{6 6 2 2 0}$ | $\mathbf{2 0 2 2 0 2}$ | $\mathbf{2 7 1}$ |

## 9.C. Production of Bio-Products

| Bio Products | Name of the bio-product | Quantity <br> Kg | Value (Rs.) | Number of <br> farmers to <br> whom provided |
| :--- | :---: | :---: | :---: | :---: |
| Bio Fertilizers | Vermiwash | 105 lit | 3090 | 15 |
|  | Vermicompost | 130 Qtl | 39000 | 52 |
|  | Rhizobium | 84 Kgs | 8400 | 168 |
|  | PSB | 116 Kgs | 11600 | 232 |
|  | Azospirillum | 45 Kgs | 4500 | 90 |
| Bio-pesticide | Trichoderma | 37 Kgs | 7400 | 148 |
| Bio-fungicide | Earthworms | 190 Kgs | 61850 | 104 |
| Bio Agents | Azolla | 33 Kgs | 3300 | 33 |
| Others (specify) |  |  | $\mathbf{1 3 9 1 4 0}$ | $\mathbf{8 4 2}$ |
| Total |  |  |  |  |

9.D. Production of livestock

| Particulars of Live stock | Name of the breed | Number | Value (Rs.) | Number of farmers <br> to whom provided |
| :--- | :--- | :--- | :--- | :--- |
| Dairy animals |  |  |  |  |
| Cows |  |  |  |  |
| Buffaloes |  |  |  |  |
| Calves |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |
| Poultry |  |  |  |  |
| Broilers |  |  |  |  |
| Layers |  |  |  |  |
| Duals (broiler and layer) | Giriraj Poultry Birds |  | 150 |  |
| Japanese Quail |  |  |  |  |
| Turkey |  |  |  |  |
| Emu |  |  |  |  |
| Ducks (Pl. specify) |  |  |  |  |
| Others |  |  |  |  |
| Piggery |  |  |  |  |
| Piglet |  |  |  |  |
| Others (Pl.specify) |  |  |  |  |
| Fisheries |  |  |  |  |
| Fingerlings |  |  |  |  |
| Others (Pl. specify) |  |  | $\mathbf{1 9 9 5 0}$ |  |
| Total |  |  |  |  |

## PART X - PUBLICATION, SUCCESS STORY, INNOVATIVE MTHODOLOGY, ITK, TECHNOLOGY WEEK

10. A. Literature Developed/Published (with full title, author \& reference)
(A) KVK Newsletter:

Date of start:_ English News Letters - January, 2003 \& Krishi Darpana in Kannada language - October 2015
Periodicity: Monthly Copies printed in each issue: $\qquad$ 250
(B) Literature developed/published

| Item | Number |  |  |
| :--- | :---: | :---: | :---: |
| Research papers- International | 0 |  |  |
| Research papers- National | 0 |  |  |
| Technical reports | 0 |  |  |
| Technical bulletins | 4 |  |  |
| Popular articles - English | 0 |  |  |
| Popular articles - Local <br> language | 5 |  |  |
| Extension literature | 9 |  |  |
| Others (Pl. specify) |  |  |  |
|  |  |  |  |
| TOTAL |  |  | $\mathbf{1 8}$ |

10.B. Details of Electronic Media Produced

| Sl. <br> No. | Type of media | Title | Details |
| :--- | :--- | :--- | :--- |
| 1 | CD / DVD | Vermicompost | Preparation of vermicompost and its <br> uses |
| 2 | Mobile Apps | - |  |
| 3 | Social media groups with <br> KVK as Admin | WhatsApp - <br> - KVK, HULKOTI, GADAG <br> group <br> - Cashew Growers group <br> - Mango Growers group <br> -GADAG FPO's |  |
| 4 | Facebook account name | Khp Kvk Hulkoti |  |
| 5 | Instagram account name | KVKGadag |  |
|  |  |  |  |

## 10.C. Success Stories / Case studies

## I. DOUBLING OF INCOME - A SUCCESS STORY OF BENGALGRAM FARMER

Shri Goudappagouda Fakiragouda Kagadal of Khanapur village is one of the young farmer participated in
 FLD-Bengalgram programme of KVK during 2017-18. He was very enthusiastic to adopt improved technologies to address productivity constraints in Bengalgram. He used to cultivate Bengalgram variety of JG-11. Incidence of wilt was the major problem that affected the yield to the extent of 40-50 percent. Apart from this, there was also knowledge gap in management of pod borer and nutrient application. Demonstration was laid out in his farm under the supervision of KVK Scientists. Details of technologies demonstrated were use of high yielding and wilt tolerant variety (JAKI-9218), seed treatment with trichoderma and bio-fertilizers, foliar spray of 19:19:19 water soluble fertilizer and appropriate technologies for management of pod borer. Local check of JG-11 was also laid out adjacent to the demonstrated plot. Shri Goudappagouda adopted all the suggested technologies related to sowing method, seed rate, nipping, nutrition, intercultivation and management of pod borer. KVK Scientists periodically visited his plot and given him timely suggestions. As a result of this, bumper crop was raised and all the farmers in the village visited the plot and learnt about the technologies adopted. The performance of demonstrated plot against local check is given below

| Performance of technologies in demonstration |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Yield (Q/ha) |  |  | Net returns (Rs./ha) |  |  | Yield gap (q/ha) <br> over check |
| Demo | Check | \% increase | Demo | Check | \% increase | 3.50 |
| 15.0 | 11.5 | 30.43 | 22320 | 13300 | 67.81 |  |

The farmer could get 30.43 per cent increased yield and 67.81 per cent increased net income. His net income was almost doubled. Potential yield of the variety of was achieved. This yield was 3 times the yield of State and District average and two times the yield of National Average.

During the subsequent years of 2018-19 and 2019-20, the technology was spread to entire Khanapur village and surrounding villages of Gangapur and Radder Naganur. The farmer says that, JAKI-9218 variety is wilt tolerant and high yielding and timely management of pod borer has enhanced the productivity. Further, he says that he get Rs.15,000/- additional returns per hectare by spending Rs.3000/- as additional cost per hectare.


## II. SUCCESSFUL DAIRY ENTERPRISE OF MBA GRADUATE

Mr. Veeranna Naikar, a Graduate in Master of Business Administration belonging to Machenahalli villages of Shirahatti taluk was settled at Bengaluru doing a job at private firm. He was not happy with the job and always thought of doing his own business. During 2017-18, he visited KVK and explained the possibility of starting dairy farm at his village. He had an ancestral property of 6.00 acres. KVK provided him the consultancy for starting dairy unit and project report. He took a loan of Rs. 12.00 lakhs and invested Rs.2.00 lakhs from his pocket. Constructed housing shelter for 10 animals and he purchased 6 HF and 1 Jersey Cow. In the mean time, he attended one week duration training programme at KVK on Scientific Dairy Management. He learnt various aspects of dairy management. He purchased grass slips of hybrid napier, guinea grass, Rhodes grass, stylo heamata and planted in his farm. He also started cultivation of multi-cut sorghum. Apart from this, he established Azolla unit and started silage making. He faced various issues related to feed management and health \& hygiene aspects of animals and cattle shed. He was in continuous contact with KVK Animal Scientist and got his issues solved. From 2018 September onwards, Mr. Naikar started getting milk yield of 70 liters/day from his dairy unit. He says that, he incurred expenditure of Rs.20,000/- per month for management of dairy unit. He gets net returns of Rs.40,000/- per month and he remitted Rs.10,000/- as monthly instalment of loan. He says that, net income of Rs.30,000 per month is very good income and is huge savings for him. He says that he could not save any thing when he was in Bengaluru.

Within 2 years of establishment of dairy unit, he could convince the youths in his village that dairy is a profitable enterprise. The principle of management which he has learnt in his degree programme coupled with constant technical guidance of KVK helped him to achieve the success, he says. When asked about further plan, he says that he is planning to develop his own milk brand of his dairy farm and sell it across district.

## III. ENHANCING THE LIVELIHOOD THROUGH UPGRADATION OF LOCAL GOAT



The farmers who are practising goat farming in dryland area are facing the problem of low income with local goat due to less sustainability in view of prevailing high temperatures, less body weight gain, low milk yield and long
 gestation period. So to overcome these problems, Jamunapari buck was introduced through NICRA Project in Mahalingapur village during 2016-17. The purpose of demonstration was to show enhanced body weight, increased milk yield and capacity to attain early maturity even under increased temperature conditions as this breed of Jamunapari buck is tolerant to high temperatures. Through the project, three Jamunapari bucks were provided to farmers for upgradation of local goats in the month of January, 2017.

Shri Takrappa Kempanna Lamani is one of a goat farmer and managing the small enterprise since many years. It is the only source of income for the family of four members as he does not possess any land. He was rearing a flock of 50 non-descriptive goats. Due to lack of knowledge in management pracitces of goat, he faced lot of mortaility of goats. During 2016, his goat population reduced to three. This has put him in distress as he did not have alternative livelihood option. During this period, he came in contact with KVK as the village was adopted under National Innovation and Climate Resilient Agriculture (NICRA) Project. KVK trained Shri Takrappa on Scientific Management of goat with major focus in balance nutrition, deworming, vaccination and disease management. During 2017, he was given Jamunapari Buck by KVK and during the same time he purchased 7 She goats from the local market. Now, he has a $10+1$ goat unit. During the same year,
 he got 7 male kids and 5 female kids. Now, the goat population is increased to 16. The unit produced 12 kids including 6 male and 6 female. He sold 6 male kids for the price of Rs.5500/- per kid to other goat farmers in the region and earned an income of Rs.33,000/-. In the subsequent years, his goat unit size increased to $32(31+1)$.

During beginning of 2019, Mr.Takrappa sold 10 bucks and earned an income of Rs.60,000/-. He sold it to neighbouring places of Shiggoan, Bankapur, Majjur, Hirevaddatti and Kalasapur. From the income earned, he purchased 20 female kids. During the same year, he sold 13 does (She goat) and earned an income of Rs.1.0 lakh.

Due to KVK's continous technical support, he is able to achieve this
 income. He says that, upgraded (Jamunapari) one year old goat has body weight of 50 Kgs as against 30 Kgs in local breed. Further, he says that he is providing upgradation services to other goat units free of cost. Due to this intervention, the upgraded goat population is increasing in Mahalingapur village as well as in the neighbouring villages and neighbouring taluks. Now Mr.Takrappa has a unit size of 29 upgraded kids and 1 Jamunapari Buck. He wants to increase the unit size to 100 by 2020. He owes the credit to NICRA Project for imporving his livelihood status.

## 10.D. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year

## I) FPO OFFICE IN KVK PREMISES STRENGTHENS TOT PROCESS:

KVK has given a space for Office as well as godown for Hulkoti Horticulture Farmers' Producers Company Ltd. to run its activities. During the agricultural season, lot of Member farmers visit the FPO for purchase of agri-inputs and advisories. These farmers interact with KVK Scientists regarding the agricultural problems. Need based solutions are being given to farmers for pest and
disease problems. Prescription based solution is given to the farmers and they purchase the inputs from FPO. This mechanism has strengthened the TOT process of KVK for FPO farmers.

## II) FARMER-SCIENTIST INTERACTION :

During Kharif and Rabi seasons, KVK organises Farmer-Scientist interaction programme in collaboration with ATMA, Gadag. Progressive and innovative farmers are invited for the interaction programme. Issues related to availability of quality seeds and other inputs and improved technologies are being discussed in the meeting and solutions are provided to farmers by KVK Scientists and Officers of Department of Agriculture.

## III) CONVERGENCE OF HORTICULTURE EXTENSION PROGRAMME :

Crop diversification through promotion of Mango and Cashew is one of the thrust area of KVK. Through awareness programme, trainings \& FLD programmes KVK promoted mango and cashew in Gadag district. To scale up the technology, KVK adopted convergence strategies involving other agencies/Departments having similar objective of promotion of fruit crop cultivation. KVK involved State Department of Horticulture, Watershed Development Department, Zilla Panchayat through MGNREG, Directorate of Cashew and Coco Development, Cochin, Reliance Foundation and ATMA. KVK played the role of facilitation, expertise and nodal partner for promotion of Mango and Cashew.
10.E. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

| S. | Crop / Enterprise | ITK Practiced | Purpose of ITK | Scientific Rationale |
| :---: | :---: | :---: | :---: | :---: |
| 1 | Livestock | - Groundnut oil + Sodium Bicarbonate <br> - A paste of Garlic, Ginger \& Jaggery | For treatment of Bloat | Groundnut oil helps in reducing gas produced inside rumen. Sodium bicarbonate neutralized acid produced in rumen. Garlic and Ginger act as ruminoforics. |
| 2 | Livestock | Feeding of Alovera Juice | For the treatment of Gastrointestinal parasite in calves, kid \& lambs. | Aloevera juice lubricates the intestine to expel endoparasites. |
| 3 | Livestock | Animal washing in Canal/river water | For the treatment of foot \& mouth disease | It facilitates drying of wound and protection from flies |
| 4 | Livestock | Turmeric powder mixed in ghee, heated and applied | For the healing of wound | Turmeric has got anti microbial properties. |
| 5 | Livestock | Washing of hoves of animals with lime water | For the treatment of foot and mouth disease | Lime has antiseptic property. It kills germs and healing is fast. |
| 6 | Livestock | Zeera \& Garlic are boiled in water and is fed | For the treatment of fever | Act as anti cold \& fever. |
| 7 | Livestock | - Tobacco shoot with Kerosine oil paste is made and applied <br> - Leaves of neem or neem oil | For the treatment of ecto parasite infestation | Tobacco contain nicotine that kills ecto parasite. Neem has got ecto parasiticadal properties. |
| 8 | Livestock | Paste of alovera liquid is applied on udder \& teats | For the treatment of mastitis for reducing swelling | Aloevera act as astringent and anti oxidant that reduces swelling. |

10 F. Technology Week celebration during 2019-20:
Period of observing Technology Week: From 22-01-2020 to 28-01-2020
Total number of farmers visited : 11400
Total number of agencies involved : 2
Number of demonstrations visited by the farmers within KVK campus : 6

## Other Details

| Types of Activities | No. of <br> Activities | Number of <br> Farmers | Related crop/livestock <br> technology |
| :--- | :---: | :---: | :--- |
| Gosthies | 1 | 191 | Cashewnut crop |
| Lectures organized | 7 | 300 | Lectures organized on crop <br> technologies |
| Exhibition | 1 | 8113 | Crop, livestock and have science <br> technologies |
| Film show | 2 | 240 | Mango \& Cashew |
| Fair | 1 | 355 | Rabi \& Summer crop campaign |
| Farm Visit | 3 | 201 | Rabi crops, Livestock, Agricultural <br> Machineries |
| Diagnostic Practicals | - | - |  |
| Supply of Literature (No.) | 8 | 2000 | Crop technology |
| Supply of Seed (q) | - | - |  |
| Supply of Planting materials (No.) | - | - |  |
| Bio Product supply (Kg) | - | - | - |
| Bio Fertilizers (q) | - | - |  |
| Supply of fingerlings | - | - |  |
| Supply of Livestock specimen <br> (No.) | - | - |  |
| Total number of farmers visited <br> the technology week | $\mathbf{2 3}$ | $\mathbf{9 4 0 0}$ |  |

10 E. Recognition and Awards: Nil

## PART XI - SOIL AND WATER TEST

### 11.1 Activities of Soil and Water Testing Laboratory

A. Status of establishment of Lab
: 2005-06

1. Year of establishment
: 01.07.2005
2. List of equipments purchased with amount

| $\begin{aligned} & \text { SI. } \\ & \text { No } \end{aligned}$ | Name of the Equipment | Qty. | Cost |
| :---: | :---: | :---: | :---: |
|  | A) Non-recurring contingency |  |  |
| 1 | Spectrophotmeter | 1 | 0.60 |
| 2 | Flame photometer | 1 | 0.50 |
| 3 | pH meter | 1 | 0.10 |
| 4 | Conductivity bridge | 1 | 0.10 |
| 5 | Physical balance | 1 | 0.10 |
| 6 | Chemical balance | 1 | 1.00 |
| 7 | Water distillation still | 1 | 1.00 |
| 8 | Orbital shaker | 2 | 0.60 |
| 9 | Shaker | 2 | 0.50 |
| 10 | Refrigerator | 1 | 0.20 |
| 11 | Oven with optional attachments | 1 | 0.15 |
| 12 | Hot plate with all models | 1 | 0.25 |
| 13 | Grinder with motor | 1 | 0.30 |
| 14 | Laboratory set up (all basic facilities) |  | 3.20 |
| 15 | PUSHA STFR meter Kit | 1 | 0.75 |
| 16 | MRIDAPARIKSHA | 1 | 0.903 |
|  | Total (A) |  | 10.253 |
|  | A) Recurring contingency |  |  |
| 1 | Chemical \& glasswares |  | 3.50 |
| 2 | Miscellaneous items |  | 0.20 |
| 3 | Soil and plant sample processing and storage facility |  | 0.50 |
|  | Total (B) |  | 4.20 |
|  | Grand Total ( $\mathrm{A}+\mathrm{B}$ )) |  | 14.453 |

## B. Details of samples analyzed so far since establishment of SWTL:

| Details | No. of Samples <br> analyzed | No. of Farmers <br> benefited | No. of Villages |
| :--- | :---: | :---: | :---: |
| Soil Samples | 8500 | 17594 | 323 |
| Water Samples | 4710 | 4496 | $"$ |
| Plant samples | 103 | 103 | $"$ |
| Manure samples | - | - | - |
| Others (specify) | - | - | - |
| Total | $\mathbf{1 3 3 1 3}$ | $\mathbf{2 2 1 9 3}$ | $\mathbf{3 2 3}$ |

C. Details of samples analyzed during the 2019-20 :

| Details | No. of Samples analyzed | No. of Farmers benefited | No. of Villages |
| :---: | :---: | :---: | :---: |
| Soil Samples | 1044 | 3578 | 251 |
| Water Samples | 565 | 551 | * |
| Plant samples | 27 | 27 | " |
| Manure samples | - | - | - |
| Others (specify) | - | - | - |
| Total | 1636 | 4156 | 251 |

### 11.2 Mobile Soil Testing Kit :

## A. Date of purchase and current status

| Mobile Kits | Date of purchase | Current status |
| :--- | :--- | :--- |
| 1. PUSA SFTR meter kit | $22-02-2016$ | Working |
| 2. MRIDA PARIKSHAK | $31-03-2017$ | Working |
|  |  |  |

B. Details of soil samples analyzed during 2019-20 and since establishment with Mobile Soil Testing Kit:

|  | Progress during 2019 | Cumulative progress |
| :--- | :---: | :---: |
| Samples analyzed (No.) | 370 | 695 |
| Farmers benefited (No.) | 1094 | 2085 |
| Villages covered (No.) | 14 | 20 |

11.3 Details of soil health cards issued based on SWTL \& Mobile Soil Testing Kit during 2019-20:

| Particulars | Date (s) | Villages <br> (No.) | Farmers <br> (No.) | Samples <br> analyzed <br> (No.) | Soil health <br> cards issued <br> (No.) |
| :--- | :--- | :---: | :---: | :---: | :---: |
| SWTL | $1^{\text {st }}$ April, 2019 to <br> $31^{\text {st }}$ March, 2020 | 251 | 2484 | 1044 | 2573 |
| Mobile Soil Testing Kit | $1^{\text {st }}$ April, 2019 to <br> $31^{\text {st }}$ March, 2020 | 14 | 1094 | 370 | 1126 |

11.4 World Soil Health Day celebration

| $\begin{aligned} & \text { SI. } \\ & \text { No. } \end{aligned}$ | Farmers participated (No.) | Soil health cards issued (No.) | $\begin{aligned} & \text { VIPs (MP/ } \\ & \text { Minister/MLA } \\ & \text { attended } \\ & \text { (No.) } \end{aligned}$ | Other Public Representatives participated | $\begin{aligned} & \text { Officials } \\ & \text { participated } \\ & \text { (No.) } \end{aligned}$ | Media coverage (No.) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 184 | 326 | - | 1) Dr.Umesh Arahunasi <br> Principal,K.H.Patil PU College, Hulkoti <br> 2) Dr.Veeresh Hunagund Deputy Director-1,KSDA, Gadag <br> 3) Dr.M.C.Koravanavar ADA,KSDA, Gadag <br> 4) Shri G.R.Odugoudar President, Mango and Cashew Farmers' Association, Hulkoti <br> 5) Shri V.G.Hiregoudar President, Farmers' Producers Organisation, Hulkoti | 4 | 3 |

## PART XII. IMPACT

12.A. Impact of KVK activities (Not restricted for reporting period)

| Name of specific <br> technology/skill transferred | No. of <br> participants | \% of adoption | Change in income (Rs.) <br>  <br> Before <br> (Rs./Unit) |  |
| :--- | :---: | :---: | :---: | :---: |
|  | 72 | 70 | Rs.12,000/ha | Rs.18,000/ha |
| Sucking pest management in <br> Cashew | 43 | 75 | Rs.50,000/ha | Rs.75,000/ha |
| Pod borer management in <br> Bengalgram crop | 154 | 60 | Rs.22,000/ha | Rs.30,000/ha |
| Azolla as animal feed | 86 | 40 | Rs.35,000/cow <br> /lactation | Rs.40,000/cow <br> /lactation |
| INM in Groundnut | 74 | 35 | Rs.25,000/ha | Rs.35,000/ha |
| Capsule borer management <br> in Safflower crop | 62 | 60 | Rs.15,000/ha | Rs.25,000/ha |
| TS-3R variety of Redgram <br> crop | 125 | 80 | Rs.25,000/ha | Rs.35,000/ha |
| Processing of Foxtail Millet <br> with EDP Skills | 35 | 25 | Rs.3000/Qtl | Rs.8000/Qtl |

## 12..B. Cases of large scale adoption <br> (Please furnish detailed information for each case with suitable photographs)

## LARGE SCALE ADOPTION OF CASHEW

Gadag district is predominantly an agrarian district having cultivable land of 3.93 lakh ha. Out of this, only 10 per cent of the area is under irrigation. The district gets rainfall from South-West monsoon from June to September and North-East monsoon from October to November. Average rainfall of the district is 612 mm which is erratic and ill distributed. Recurring agriculture droughts are common with the probability of 70-80 per cent of years. Long dry spells in Kharif season and receding soil moisture in rabi season are the characteristic features of the drought resulting in adverse effect on the sustainability of crop productivity. This situation is more severe in the places where faming is practiced in red soil area. About 30 percent of the soil type in the district is red sandy loam. Majority of the farmers take up groundnut crop during Kharif season in red soil area. The average productivity of groundnut is very low at 6.75 quintals per ha and thus the farming in red soil has become a non-viable enterprise. The livelihood support system of farmers in red soil area is under threat.

In order to address the issue, KVK organised several sensitization programmes in the villages on importance of crop diversification in rainfed areas. Farmers were made aware of cashew cultivation and its economics compared to cultivation of Spreading Groundnut. These programmes created lot of impact in terms of farmers' interest to take up dryland cashew cultivation.

KVK organised Awareness cum Training programmes on Cashewnut cultivation. 36 training courses have been organised for 696 farmers. Exposure visits of farmers have been organised to KVK instructional farm and Cashewnut orchards established by progressive farmers under KVK guidance.

KVK organised Front Line Demonstrations on farmers' fields for Cashewnut promotion. During the period from 2013-14 to 2018-19, KVK organized Front Line Demonstrations in 16 hectares of area covering 41
farmers. These demonstrations have created a huge impact in terms of farmers' interest to take up Cashewnut cultivation.

KVK had collaboration with Directorate of Cashew and Cocoa Development, Cochin, Department of Horticulture and Reliance Foundation for promotion of Cashew. KVK organised Seminars, Farmer-Scientist interaction, field and diagnostic visits and facilitated marketing of raw Cashewnuts. Comprehensive interventions of KVK with convergence mechanism have paved the way for spread of 500 ha. Cashew area in Gadag district.

## 12.C. Details of impact analysis of KVK activities carried out during the reporting period

## IMPACT ANALYSIS OF MAIZE+REDGRAM INTERCROPPING SYSTEM

## INTRODUCTION:

Maize is an important cereal crop cultivated predominantly under rainfed situation in Kharif season in Gadag district. It occupies $15-20$ per cent of the total cultivable area. The average productivity of crop decreased from 25 Qtls./ha during last decade to 14 Qtls/ha. during current decade. The major reason for decreased productivity is due to moisture stress caused due to long dry spells during June to August months after sowing. During the last couple of decade, the district has been experiencing climate variability with
 respect to shift in the rainfall pattern as well as its distribution. This situation has severely affected the productivity of Maize and income of farmers.

## KVK INTERVENTIONS :

KVK adopted Mahalingapur village in Gadag taluk under NICRA project. The village is representative village of the district with respet to productivity constraints in Maize. Since Maize is the important crop of the village, KVK made interventions of intercropping of Redgram in Maize in
 the ratio of $5: 1$, Short duration TS-3R variety of Redgram was introduced as intercrop. Maize crop suffers from moisture stress during vegetative stage (45-50 DAS) resulting in less yield. On the contrary, Redgram also suffers from moisture stress during early vegetative stage. But later the crop gets sufficient moisture during grand growth period and flowering stage as the crop duration of the Redgram is long (155 days) compared to Maize. Redgram crop escapes moisture stress as sufficient rains coincides with grand growth, flowering and pod formation period.

KVK organised Front Line Demonstration on Maize+Redgram intercropping system in Mahalingapur and surrounding villages of Beladhadi, Kabalayatakatti and Nabhapur. The details of programmes implemented year-wise is presented in Table:-1

Table:1 FLD programme on Maize+Redgram intercropping system

| SI. <br> No | Year | Area (Ha.) | No. of farmers |
| :---: | :---: | :---: | :---: |
| 1 | $2015-16$ | 8 | 20 |
| 2 | $2016-17$ | 30 | 75 |
| 3 | $2017-18$ | 16 | 40 |
| 4 | $2018-19$ | 20 | 50 |
|  | TOTAL | $\mathbf{7 4}$ | $\mathbf{1 8 5}$ |

During four year period, KVK introduced Maize+Redgram intercropping system in 74 ha. covering 185 farmers

## DETAILS OF TECHNOLOGIES DEMONSTRATED :

Maize +Redgram intercropping system was demonstrated with following technologies:

- Introduction of Redgram as an intercrop in Maize as Redgram can sustain early and mid-season drought during Kharif season.
- Demonstration of medium duration TS-3R variety in Redgram @7.5kg/ha.
- Seed priming with Calcium Chloride @ $2 \%$ to enhance germination percentage, to improve the crop vigour and to induce drought tolerance to the crop.
- Seed treatment with Bio-fertilizers (PSB \& Rhizobium) which facilitates drought tolerance in crops through the supply of nutrients.
- Opening of conservation furrows at every 25-30 feet interval at 20-25 DAS for insitu moisture conservation during crop growth period for enhancing moisture availability to the crop.
- Foliar spray of Pulse Magic @ 1\% (mixture of micronutrient formulated by UAS, Raichur for pulse crops) during flowering stage for enhancing pod setting percentage and pod development through supplementation of micronutrients.
- Biological control of pest in Redgram for effective control of pod borer through pheromone traps and yellow sticky traps.


## RAINFALL PATTERN :

Rainfall data of Mahalingapur cluster of villages is presented in Table-2. The data presented reveals that out of four years the average rainfall of 3 years i.e. 2015-16, 2016-17, 2017-18 and 2018-19 is very less compared to normal rainfall.

Table-2 : Rainfall data in Mahalingapur cluster of villages

| Months | Normal | $\mathbf{2 0 1 5 - 1 6}$ | $\mathbf{2 0 1 6 - 1 7}$ | $\mathbf{2 0 1 7 - 1 8}$ | $\mathbf{2 0 1 8 - 1 9}$ |
| :--- | :---: | :---: | :---: | :---: | :---: |
|  |  | Actual | Actual | Actual | Actual |
| June | 85.20 | 67.76 | 110.70 | 5.90 | 52.40 |
| July | 70.60 | 8.63 | 61.00 | 14.60 | 9.30 |
| August | 75.40 | 68.50 | 57.00 | 47.60 | 29.10 |
| September | 137.40 | 91.80 | 141.30 | 129.40 | 27.70 |
|  | $\mathbf{3 6 8 . 6 0}$ | $\mathbf{2 3 6 . 6 9}$ | $\mathbf{3 7 0 . 0 0}$ | $\mathbf{1 9 7 . 5 0}$ | $\mathbf{1 1 8 . 5 0}$ |
| \% of deviation |  | $\mathbf{- 3 5 . 7 8}$ | $\mathbf{+ 0 . 3 7}$ | $\mathbf{- 4 6 . 4 1}$ | $\mathbf{- 6 7 . 8 5}$ |

## ECONOMIC PERFORMANCE OF DEMONSTRATION:

KVK demonstrated Maize+Redgram intercropping system along with resilient technologies in 74 ha. covering 185 farmers in Mahalingapur cluster villages during 4 years period. The data presented in Table-3 reveals that average crop equivalent yield of 36 Qtls./ha was achieved in the demonstration plots. The data clearly reveals that there has been doubling of income in demonstration plots compared to sole cultivation of Maize during all the four years. When we look into
 average net returns, it was triple as against local check. It is interesting to note that these yield level are achieved even during deficient rainfall years (Table:-2)

Table: 3-Economic performance of Maize+Redgram intercropping system

| Year | Area (ha.) | No. of farmers | Yield (QtI./ha.) |  |  | Crop Equivalent yield (Qtls./ha.) | Net Returns (Rs./ha.) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Demo |  | Local Maize as sole crop |  | Demo | Local |
|  |  |  | Maize | Redgram |  |  |  |  |
| 2015-16 | 85.20 | 20 | 18.40 | 4.95 | 21.95 | 36.96 | 11374 | 712 |
| 2016-17 | 70.60 | 25 | 14.66 | 5.60 | 17.90 | 33.83 | 13653 | 4678 |
| 2017-18 | 75.40 | 40 | 20.00 | 5.75 | 24.50 | 42.50 | 13375 | 2368 |
| 2018-19 | 137.40 | 50 | 21.50 | 2.98 | 24.77 | 30.33 | 12607 | 8528 |
| TOTAL | 368.60 | 185 | 18.59 | 4.82 | 22.28 | 36.00 | 12752 | 4071 |

## ADDITIONAL NET RETURNS FROM DEMONSTRATION FIELD :

The data presented in Table-4 reveals that 185 farmers participating in demonstration programme in 74 hectares got Rs. 12.50 lakhs as additional returns during 4 year period from 2015-16 to 2018-19. This is one of the good indicator of impact of Maize+Redgram intercropping system. This has created lot of impact in terms of spread of technologies to other farmers.

Table: 4-Additional returns from Maize+Redgram intercropping system

|  | Yield |  | Additional | Price <br> Year | Demo <br> Yield <br> CEY <br> (QtIs/ha.) | Local <br> check <br> (Qtls./ha.) | Yield <br> (Qtls./ha.) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Rstl) <br> qtI | Additional <br> Returns <br> (Rs. /ha) | Total <br> area of <br> demo <br> (ha.) | Total <br> additional <br> returns <br> from demo <br> (Rs.) |  |  |  |  |
| $2015-16$ | 39.96 | 21.95 | 15.01 | 1200 | 18012 | 8 | 144096 |
| $2016-17$ | 33.83 | 17.90 | 15.93 | 1300 | 20709 | 30 | 621270 |
| $2017-18$ | 42.50 | 24.50 | 18.00 | 1150 | 2070 | 16 | 331200 |
| $2018-19$ | 30.33 | 24.77 | 5.56 | 1400 | 7784 | 20 | 155680 |
| TOTAL |  |  |  |  |  |  | $\mathbf{7 4}$ |
| $\mathbf{1 2 5 2 2 4 6}$ |  |  |  |  |  |  |  |

## SPREAD OF TECHNOLOGY TO OTHER FARMERS :

As a result of KVK interventions through Front Line Demonstrations, trainings and extension programmes, there has been a spread of the technology in 2100 ha. of area including area under demonstrations during last four years involving 2570 farmers. During 2018-19 itself 1500 ha. of area was brought under Maize+Redgram intercropping system. The spread has been noticed mainly in Mahalingapur cluster of village. This indicates that farmers have been convinced about the profitability of intercropping system. During last four years, 2570 farmers have got net returns of Rs. 270 lakhs, thus contributing lot to the district economy.

## Table: 5-Year wise approximate spread of area and total net returns in Maize+Redgram intercropping system

| Year | Area <br> (ha.) | No. of <br> farmers | Net Returns <br> (Rs./ha.) | Total net returns <br> (Rs.) |
| :---: | :---: | :---: | :---: | :---: |
| $2015-16$ | 8 | 20 | 11374 | 90992 |
| $2016-17$ | 100 | 150 | 13653 | 1365300 |
| $2017-18$ | 500 | 700 | 13375 | 6687500 |
| $2018-19$ | 1500 | 1700 | 12607 | 18910500 |
| TOTAL | $\mathbf{2 1 0 8}$ | $\mathbf{2 5 7 0}$ | $\mathbf{5 1 0 0 9}$ | $\mathbf{2 7 0 5 4 2 9 2}$ |

## CONCLUSION :

Maize+Redgram intercropping system with resilient technologies demonstrated by KVK has created a huge impact in Mahalingapur cluster of villages in terms of good net returns and income of farmers. Farmers have been convinced about the profitability of technologies as good net returns were achieved during drought years of 2015-16, 20117-18 and 2018-19. There has been a spread of technologies in 2500 ha. involving 2570 farmers in Mahalingapur cluster of village in last four years and these farmers got Rs. 270 lakhs as net returns. Thus the demonstrations have huge impact in improving the income of farmers in rain shadow district of Gadag

## PART XIII - LINKAGES

13.A. Functional linkage with different organizations

| Name of organization | Nature of linkage |
| :--- | :--- |
| Directorate of Cashewnut and <br> Cocoa Development, Cochin | i) Awareness on Cashew promotion <br> ii) Organisation of Seminar on Cashewnut crop <br> iii) <br> iv) |
| Training on production technology of Cashewnut |  |$|$| Agriculture Skill Council of India for cashew farmers |
| :--- | :--- | :--- |$\quad$| Organization of Skill Training on job role |
| :--- |
| "Vermicompost Producer and Dairy Entreprenurship" |

## 13.B. List special programmes undertaken by the KVK and operational now, which have been financed by State Govt./Other Agencies

| Name of the scheme | Date/ Month of <br> initiation | Funding agency | Amount (Rs.) |
| :---: | :---: | :---: | :---: |
| Capacity Building of FPOs | June, 2019 | Karnataka State Department <br> of Horticulture | $3,00,000$ |
| Agricultural Skill Council of <br> India | January, 2019 | ASCI, New Delhi | $3,67,000$ |

## 13.C. Details of linkage with ATMA

a) Is ATMA implemented in your district : Yes

If yes, role of KVK in preparation of SREP of the district?
KVK provided input on problem identification, prioritization, researchable issues and strategies / technologies for different agro-eco systems in the district
Coordination activities between KVK and ATMA:

| S. <br> No. | Programme | Particulars | No. of <br> programmes <br> attended by <br> KVK staff | No. of <br> programmes <br> Organized by <br> KVK | Other remarks <br> (if any) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 01 | Meetings | KVK-ATMA <br> Interface Meetings <br> and ATMA Steering <br> Committee <br> Meetings | 2 | 5 | - |
| 02 | Research projects | - | 1 | 1 | - |
|  | - ICM <br> - Value addition <br> - Farmers' | 9 | 5 | - |  |
| praining |  |  |  |  |  |
| programmes | Organers <br> Ontion <br> Snstated Farming |  |  |  |  |


| S. No. | Programme | Particulars | No. of programmes attended by KVK staff | No. of programmes Organized by KVK | Other remarks (if any) |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 04 | Demonstrations | - | 5 | 120 | Jointly organized with ATMA funding |
| 05 | Extension Programmes |  | 11 | 10 | Jointly organized with ATMA |
|  | Kisan Mela | - | 1 | 1 | - |
|  | Technology Week | - | 1 | 1 | Jointly organized with ATMA |
|  | Exposure visit | - | - | - | - |
|  | Exhibition | - | 1 | 1 | Jointly organized with ATMA |
|  | Soil health camps | - | 1 | 1 | Jointly organized with ATMA |
|  | Animal Health Campaigns | - | - | - | - |
|  | Others (PI. specify) | - | - | - | - |
|  | Field Day | Bengalgram | 1 | 1 | Jointly organized with ATMA |
|  | Jal Shakti Abhiyaan | - | 1 | 1 | Jointly organized with ATMA |
|  | World Food Day | - | 1 | 1 | Jointly organized with ATMA |
|  | International Womens' Day | - | 1 | 1 | Jointly organized with ATMA |
|  | World Soil Health Day | - | 1 | 1 | Jointly organized with ATMA |
|  | Farmers' field school | - | - | - | - |
| 06 | Publications |  |  |  |  |
|  | Video Films | - | - | - | - |
|  | Books | - | - | - | - |
|  | Extension Literature | - |  | - | - |
|  | Pamphlets | - | - | - | - |
|  | Others (PI. specify) | - | - | - | - |
| 07 | Other Activities (PI. specify) |  |  |  |  |

13.D. Give details of programmes implemented under National Horticultural Mission

| S. <br> No. | Programme | Nature of linkage | Funds received if <br> any Rs. | Expenditure <br> during the <br> reporting period <br> in Rs. | Constraints if <br> any |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |

13.E. Nature of linkage with National Fisheries Development Board

| S. <br> No. | Programme | Nature of linkage | Funds received if <br> any Rs. | Expenditure <br> during the <br> reporting period <br> in Rs. | Remarks |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |

13.F. Details of linkage with RKVY

| S. <br> No. | Programme | Nature of linkage | Funds received if <br> any Rs. | Expenditure <br> during the <br> reporting period <br> in Rs. | Remarks |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |

13G. Kisan Mobile Advisory Services

| Month |  | SMS/voice calls sent (No.) |  |  |  |  |  | Total SMS/ <br> Voice calls sent (No.) | Farmers (No.) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Crop | Livest ock | Weather | Marke ting | Awaren ess | Other enterpris es |  |  |
| April | Text | 0 | 1 | 0 | 1 | 0 | 0 | 2 | 15233 |
| May | Text | 1 | 0 | 1 | 1 | 0 | 1 | 4 | 15233 |
| June | Text | 0 | 0 | 1 | 0 | 1 | 1 | 3 | 15239 |
| July | Text | 2 | 1 | 2 | 0 | 1 | 0 | 6 | 15239 |
|  | Voice | 2 | 0 | 0 | 0 | 1 | 0 | 3 | 98000 |
| August | Voice | 2 | 0 | 1 | 0 | 1 | 1 | 5 | 15239 |
|  | Text | 5 | 0 | 0 | 0 | 1 | 1 | 7 | 98000 |
| September | Text | 4 | 1 | 0 | 0 | 0 | 0 | 5 | 15239 |
|  | Voice | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 38000 |
| October | Voice | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 15191 |
| November | Text | 2 | 1 | 0 | 1 | 1 | 0 | 5 | 15240 |
|  | Voice | 2 | 1 | 0 | 0 | 1 | 0 | 4 | 38000 |
| December | Text | 4 | 1 | 0 | 0 | 1 | 0 | 6 | 15243 |
|  | Voice | 4 | 1 | 0 | 0 | 1 | 0 | 6 | 38000 |
| January | Text | 1 | 0 | 0 | 0 | 0 | 0 | 1 | 15243 |
|  | Voice | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 38000 |
| February | Text | 3 | 1 | 0 | 1 | 1 | 1 | 7 | 15243 |
|  | Voice | 3 | 1 | 0 | 1 | 1 | 1 | 7 | 38000 |
| March | Text | 1 | 1 | 0 | 1 | 2 | 0 | 5 | 15243 |
|  | Voice | 2 | 1 | 0 | 0 | 1 | 0 | 4 | 38000 |
| Total |  | 40 | 11 | 5 | 7 | 14 | 7 | 84 | $\begin{array}{r} 60682 \\ 5 \end{array}$ |

## PART XIV- PERFORMANCE OF INFRASTRUCTURE IN KVK

14A. Performance of demonstration units (other than instructional farm)

| SI. <br> No. | Demo Unit | Year of establi shment | Area (ha) | Details of production |  |  | Amount (Rs.) |  | Remar ks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Variety | Produce | Qty. | Cost of inputs | Gross income |  |
| 1 | Green House | 2007 | $\begin{aligned} & 250 \\ & \text { sq.ft } \end{aligned}$ | Alphonso Mangoes | Grafts | 1000 | 5000 | 15000 | - |

14B. Performance of instructional farm (Crops) including seed production

| Name of the crop | Date of sowing | Date of harvest | Area (ha) | Details of production |  |  | Amount (Rs.) |  | Re ma rks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Variety | Type of Produce | Qty. <br> (QtI) | Cost of inputs | Gross income |  |
| Cereals |  |  |  |  |  |  |  |  |  |
| Rabi Sorghum | 14.11.19 | 17.03.20 | 3.0 | SPV-2217 | Seeds | 25.0 | 6800 | 87500 |  |
| Finger millet | 15.08.19 | 13.12.19 | 2.10 | DHFT-109-3 | Seeds | 2.5 | 2020 | 7500 | Crop failed due to heavy rains |
| Browntop millet | 16.08.19 | 02.12.19 | 2.70 |  | Seeds | 2.0 | 3300 | 14000 | Crop failed due to heavy rains |
| Maize | 22.08.19 | 29.12.19 | 0.50 | MRM-4070 | Grains | 2.5 | 2000 | 4500 |  |
| Pulses |  |  |  |  |  |  |  |  |  |
| Greengram | 22.06.19 | 06.09.19 | 0.6 | DGGV-2 | Seeds | 3.0 | 1200 | 24000 |  |
| Bengalgram | 06.11.19 | 14.02.20 | 0.8 | GBM-2 | Seeds | 5.0 | 5000 | 25000 |  |
| Bengalgram | 16.11.19 | 07.03.20 | 0.4 | BGD-111-1 | Seeds | 2.0 | 4400 | 10000 |  |
| Bengalgram | 23.11.19 | 28.02.20 | 0.8 | JAKI-9218 | Seeds | 5.0 | 6600 | 25000 |  |
| Redgram | 15.08.19 | 01.03.20 | 4.80 | TS-3R | Seeds | 12.0 | 22500 | 72000 | Crop failed due to heavy rains |
| Oilseeds |  |  |  |  |  |  |  |  |  |
| Groundnut | 28.06.19 | 04.11.19 | 1.0 | KDG-128 | Seeds | 17.85 | 11600 | 107100 |  |
| Groundnut | 09-.07.19 | 31.10.19 | 1.0 | TG-37A, DGRMB-24, DGRMB-32 | Seeds | 10.5 | 17750 | 63000 |  |
| Castor | 22.08.19 | 25.01.20 | 0.40 | ICH-66 | Seeds | 2.5 | 1950 | 12500 |  |
| Safflower | 15.10.19 | 26.02.20 | 3.2 | ISF-764 | Seeds | 35.0 | 22800 | 157500 |  |
| Summer Groundnut | 23.12.19 | 08.05.20 | 0.4 | DH-256 | Seeds | 5.0 | 5750 | 30000 |  |
| Fibers |  |  |  |  |  |  |  |  |  |
| Spices \& Plantation crops |  |  |  |  |  |  |  |  |  |
| Cashewnut |  |  | 1.20 | Vengurla-4 | Nuts | 7.0 |  | 91000 | - |
| Floriculture |  |  |  |  |  |  |  |  |  |
| Fruits |  |  |  |  |  |  |  |  |  |
| Tamarind |  |  | 0.60 |  <br> DTS-1 | Fruit | 25.0 |  | 100000 | - |
| Amla |  |  | 0.60 | Krishna, Kanchan | Fruit | 7.51 |  | 15020 | - |
| Mango |  |  | 0.80 | Alphonso | Fruit | 3.0 |  | 24000 | - |


| Name of the crop | Date of sowing | Date of harvest | Area (ha) | Details of production |  |  | Amount (Rs.) |  | Re ma rks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Variety | Type of Produce | Qty. <br> (QtI) | Cost of inputs | Gross income |  |
| Guava |  |  | 1.00 | Lucknow-49 | Fruit | 5.0 |  | 5000 | - |
| Sapota |  |  | 1.00 | Cricket ball | Fruit | 5.3 |  | 5300 | - |
| Vegetables |  |  |  |  |  |  |  |  | - |
| Onion | 03.07.19 | 15.11.19 | 1.2 | Bhima super | Bulb | 20.0 | 15100 | 60000 | - |
| Onion Seed production | 03.12.19 | 08.04.20 | 0.4 | Bhima super | Seeds | 0.75 | 78200 | 112500 |  |
| Others (specify) |  |  |  |  |  |  |  |  |  |

14C. Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

| SI. <br> No. | Name of the <br> Product | Qty | Amount (Rs.) |  | Remarks |
| :--- | :--- | :---: | :---: | :---: | :---: |
|  |  |  | Gross <br> income |  |  |
| 1 | Vermicompost | 130.0 Qtl | 23611 | 39000 | - |
| 2 | Earthworms | 1.90 Qtl | 12500 | 62120 | - |
| 3 | Azolla | 0.33 Qtl | 1600 | 3300 | - |

14D. Performance of instructional farm (livestock and fisheries production)

| $\begin{aligned} & \text { SI. } \\ & \text { No } \end{aligned}$ | Name of the animal / bird / aquatics | Details of production |  |  | Amount (Rs.) |  | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Breed | Type of Produce | Qty. | Cost of inputs | Gross income |  |
| 1 | Buffaloes | Local | Milk | 465 lit | 14500 | 18600 | - |
| 2 | Sheep | Rambullet local cross | Lamb | 2 lamb | 3000 | 13000 | - |
| 3 | Goat | Jamunapuri local cross | Kid | 2 kid | 4000 | 11000 | - |
| 4 | Poultry | Swarnadhara | Egg | 247 | 700 | 1840 | - |

14E. Utilization of hostel facilities
Accommodation available (No. of beds) : 30

| Months | No. of trainees <br> stayed | Trainee days <br> (days stayed) | Reason for short fall <br> (if any) |
| :--- | :---: | :---: | :---: |
| April 2019 | 54 | 2 | - |
| May | 22 | 2 | - |
| June | 30 | 29 | - |
| July | 25 | 29 | - |
| August | 45 | 30 | - |
| September | 57 | 10 | - |
| October | 26 | 17 | - |
| November | 26 | 12 | - |
| December | 110 | 20 | - |
| January 2020 | 40 | 29 | - |
| February | 0 | 0 | - |
| March | 0 | 0 | - |

14F. Database management

| S. No | Database target | Database created |
| :--- | :--- | :--- |
| 1 | OFT | Already maintained |
| 2 | FLD | Already maintained |
| 3 | Training database | Already maintained |


| S. No | Database target | Database created |
| :--- | :--- | :--- |
| 4 | Seeds \& planting material | Already maintained |
| 5 | All Extension activities | Already maintained |
| 6 | Farmers visiting vo KVK | Already maintained |
| 7 | Field visits | Already maintained |
| 8 | District database | Already maintained |
| 9 | Soil \& water test details | Already maintained |
| 10 | Database on KVK (i.e regarding KVK details, host institute <br> details, staff information, KVK land information, KVK <br>  <br> library) | Already maintained |
| 11 | HRD of KVK staff (i.e training/seminar/workshop attended by <br> KVK staff) | Already maintained |
| 12 | Publications of KVK activities in news papers | Already maintained |
| 13 | Villages covered by KVK since inception | Already maintained |
| 14 | Kisan mobile advisory services - Subscribers and messages <br> sent | Already maintained |
| 15 | Farm implements | Already maintained |
| 16 | Citizen's Client Charter | Already maintained |

14.G. Details on Rain Water Harvesting Structure and micro-irrigation system

| Amount sanction (Rs.) | Expen diture (Rs.) | Details of infrastructure created / micro irrigation system etc. |  | Activities conducted |  |  |  |  | Quantity of water harvested in '000 litres | Area irrigate dd / utilizati on pattern |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | No. of Training program mes | No. of Demonst rations | No. of plant materia Is produc ed | Visit by farmers (No.) | Visit by officials (No.) |  |  |
| 100000 | 100000 | Graded bund construction | $\begin{aligned} & 5054.6 \\ & 8 \mathrm{~cm} \\ & \hline \end{aligned}$ | 6 | 7 | 0 | 263 | 24 | 108 | $\begin{gathered} 1.13 \\ \text { ha } \\ \hline \end{gathered}$ |
|  |  | Construction of waste weirs <br> 1)1.52 feet crust length <br> 2) 1.83 feet crust length <br> 3) 2.44 feet crust length <br> 4) 2.74 feet crust length <br> 5) 3.00 feet crust length | 5 Nos. <br> 7 Nos. <br> 4 Nos. <br> 3 Nos. <br> 3 Nos. |  |  |  |  |  |  |  |
|  |  | Farm pond | 2 Nos. |  |  |  |  |  |  |  |
|  |  | Infiltration wells <br> a) Infiltration Well <br> b) Common tank | $\begin{aligned} & 9 \text { Nos. } \\ & 1 \text { No. } \end{aligned}$ |  |  |  |  |  |  |  |
|  |  | Bore well recharge pit | 1 No. |  |  |  |  |  |  |  |
|  |  | Sub surface dam | 2 Nos. |  |  |  |  |  |  |  |
|  |  | Soak pits | 147 |  |  |  |  |  |  |  |
|  |  | Drip irrigation system for Dry land Horticulture | 5 Ha . |  |  |  |  |  |  |  |
|  |  | Check dam | 1 |  |  |  |  |  |  |  |

## PART XV - SPECIAL PROGRAMMES

15.1 Paramparagath Krishi Vikas Yojana (PKVY) :

| $\begin{array}{\|c\|} \hline \mathbf{S l} \\ \text { No } \\ \hline \end{array}$ | Name of cluste $r$ villag e | Initial soil fertility status (Average of cluster village) |  |  |  | Facilities created for organic source of manure | Name of Crops cultivat ed | $\begin{aligned} & \text { Vari } \\ & \text { ety } \end{aligned}$ | Organic inputs applied including bioagents and botanicals treatment | Yield (q/ha) | Economics |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Aval. N | Aval. P | Aval. K | $\begin{aligned} & \hline \text { OC } \\ & \% \end{aligned}$ |  |  |  |  |  | Cost of cultiva tion (Rs/ha ) | Net return s (Rs/ha $\quad$ ) |
| 1 | Shira hatti | 62.50 <br> to <br> 162.50 <br> Kgs/ha. <br> Low | $\begin{aligned} & 1.25 \text { to } \\ & 6.25 \\ & \mathrm{Kgs} / \mathrm{ha} . \\ & \text { Low } \end{aligned}$ | 90 to 210 Kgs/ha. Low to mediu m | $\begin{aligned} & 0.16 \\ & \text { to } \\ & 0.34 \\ & \mathrm{Kgs} / \\ & \text { ha. } \\ & \text { Low } \end{aligned}$ | - Vermico mpost <br> - Jeevamr uta <br> - Beejamr uta <br> - Pancha gavya | Foxtail Millet | $\begin{aligned} & \text { DHF } \\ & \text { t- } \\ & 109- \\ & 03 \end{aligned}$ | i)Seed <br> treatme <br> nt with <br> Beejam <br> ruta @ <br> $5 \%$ <br> ii) <br> Soil <br> applicat <br> ion with <br> 2 tons <br> of <br> Vermic <br> ompost <br> enriche <br> d with <br> Jeevam <br> ruta | 8.98 | 18858 | 8079 |
|  |  |  |  |  |  |  | Rabi Sorghu m | $\begin{aligned} & \text { SPV } \\ & - \\ & 2217 \end{aligned}$ | i)Seed <br> treated <br> with <br> Beejam <br> ruta at <br> $5 \%$ <br> ii) <br> Vermic <br> ompost <br> $@ 2$ ton <br> per ha. <br> enriche <br> d with <br> Jeevam <br> ruta | 6.63 | 14471 | 8720 |
|  |  |  |  |  |  |  | Wheat | Kira <br> n | i)Seed <br> treated <br>  <br> with <br>  <br>  <br> Beejam <br>  <br> ruta at <br>  <br> $5 \%$ <br> ii) <br> Vermic <br> ompost <br> @ 2 ton <br> per ha. <br> enriche <br> d with <br> Jeevam | 6.62 | 17650 | 4210 |



| $\begin{gathered} \mathrm{SI} \\ \mathrm{No} \end{gathered}$ | Name of cluste r villag e | Initial soil fertility status (Average of cluster village) |  |  |  | Facilities created for organic source of manure | Name of <br> Crops cultivat ed | Vari ety | Organic inputs applied including bioagents and botanicals treatment | Yield (q/ha) | Economics |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Aval. N | Aval. P | Aval. K | $\begin{gathered} \hline \text { OC } \\ \% \end{gathered}$ |  |  |  |  |  | Cost of cultiva tion (Rs/ha ) | Net return s (Rs/ha ) |
|  |  |  |  |  |  |  |  |  | sticky <br> traps @ <br> 8 <br> Nos/ha |  |  |  |

15.2 District Agriculture Meteorological Unit (DAMU)

|  | Agro advisories |  |  | Farmers awareness programmes |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Sl <br> No. | No of Agro <br> advisories <br> generated | No of farmers <br> registered for <br> agro <br> advisories | No of farmers <br> benefitted | No of <br> programmes | No of farmers <br> benefitted |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |
| 3 |  |  |  |  |  |
| 4 |  |  |  |  |  |

15.3 Fertilizer awareness programme 2019

| State | Name of <br> KVK | Details of <br> Activities/programme <br> Organised | Number of <br> Chief Guests | No. of Farmers <br> attended program | Total <br> participants |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Karnataka | KVK, <br> Hulkoti | Awareness on efficient <br> utilization of fertilizer | 6 | 220 | 226 |

### 15.4 Seed Hub

| Crops | Variety | Year of release | Production |  |  |  | Remarks |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Target <br> (q) | $\begin{gathered} \text { Area } \\ \text { (ha.) } \end{gathered}$ | Actual Production $(q)$ | $\begin{gathered} \text { Category } \\ (F S / C S) \end{gathered}$ |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

15.5 CFLD on Oilseed : As per the excel sheet enclosed
15.6 Seed on Pulses: As per the excel sheet enclosed

### 15.7 Krishi Kalyan Abhiyan

| Type of Activity | Date(s) <br> conducted | No. of farmers (General) |  |  | No. of farmers <br> SC / ST |  |  | No.of extension <br> personnel |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Male | Female | Total | Male | Female | Total | Male | Female | Total |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

### 15.8 Micro-Irrigation

| Type of Activity | Date(s) <br> conducted | No. of farmers (General) |  | No. of farmers <br> SC / ST |  |  | No.of extension <br> personnel |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Male | Female | Total | Male | Female | Total | Male | Female | Total |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

### 15.9 Nutri Garden

Nutri garden plays an important role in providing good nutrition to farm families. Though it is important many farm families are not cultivating vegetables and fruits in the backyard or in the farm for home consumption. They used to buy the vegetables and fruits from the market. Fluctuations in price and the non-availability of fruits and vegetables locally lead to nutrition deficiency. In order to promote the consumption of nutritionally rich and chemical free fruits and vegetables the nutritional gardens were established in DFI villages of Gadag district.

## Objectives:

- To promote nutrition garden in farm families
- To reduce cost incurred on purchase of vegetables
- To know the nutritional status of farm women before and after the implementation of nutrition garden
- To reduce Malnutrition and nutrition deficiency disease
- To promote organic methods of pest control \& bio-fertilisers
- To know the nutritional adequacy before and after establishment of nutri garden


## General Information of the families ( $\mathrm{N}=45$ )

| Particulars | Categories | Numbers |
| :--- | :--- | :---: |
| Age | $25-35$ | 15 |
|  | $35-45$ | 19 |
|  | $45-55$ | 6 |
| Categories | SC | - |
|  | ST | - |
|  | Others | 45 |
|  | Agriculture | 43 |
|  | House wives | 2 |
|  | Others | - |
|  | Illiterate | 10 |
|  | Primary | 26 |
|  | Secondary | 9 |


| Average monthly income of <br> families | Rs.6000/- |  |
| :--- | :--- | :--- |
| Expenditure pattern | Food | 2800 |
|  | Education | 500 |
|  | Health and medicine | 450 |
|  | Fruits and vegetables | 1200 |
|  | Others | 1000 |
|  | Total Rs. 5950/- |  |

## Activities conducted

- Provided vegetable seeds like brinjal, tomato, chilli, radish, beetroot, carrot etc., leafy vegetables like palak, amaranthus, methi, shepu etc., fruit plants and spices like Guava, Papaya, lime, drumstick, curryleaf etc. and seeds of super foods like Chia, Quinoea, Grain Amaranth
- Training to farm women on nutri garden : 6 Nos.
- Awareness on health and nutrition : 8 Nos.
- Field days : 3 Nos.
- Exposure visit : 6 Nos.
- Field visits : 22 Nos.


## Results

## 1) Production of vegetables

## Quantity of leafy vegetables produced (Area: 38 Guntas, 0.5-1 Gunta/demo)

| Palak <br> (Bundles) | Amaranthus <br> (Bundles) | Shepu <br> (Bundles) | Hunchik <br> (Bundles) | Coriander <br> (Bundles) | Spring Onion <br> (Bundles) | Radish <br> (Bundles) | Total <br> (Bundles) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 747 | 628 | 610 | 620 | 603 | 528 | 594 | 4330 |

## Quantity of other vegetables produced (Area: 38 Guntas, 0.5-1 Guntas/demo)

| Brinjal (Kg.) | Tomato (Kg.) | Beetroot (Kg.) | Carrot (Kg.) | Ridge Guard <br> (Kg.) | Cluster Beans <br> (Kg.) | Cucumber <br> (Kg.) | Total |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 578 | 544 | 366 | 256 | 548 | 231 | 240 | 2763 |

Total Production of Leafy Vegetables, Other Vegetables and B.C. Ratio

| Quantity of leafy <br> vegetable <br> produced | Rate per <br> bundle <br> (Rs.) | Quantity of <br> other <br> vegetables <br> produced (Kg.) | Rate per Kg of <br> vegetable (Rs.) | Total (Rs.) | Gross <br> Cost (Rs.) | Gross Return <br> (Rs.) | Net <br> Return <br> (Rs.) | B.C. <br> Ratio |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4330 | 4 | 2763 | 40 | 115320 | 25000 | 115320 | 90320 | 4.61 |

## Percentage adequacy of vegetables

| Parameters | Quantity produced / <br> availability |
| :--- | :---: |
| Quantity of vegetables produced / month / family | 15.64 Kg |
| Average availability of vegetables / day / person | 130 gms |
| Percentage adequacy of vegetables | $37.14 \%$ |

Average consumption of nutrients and percentage adequacy before and after implementation of nutri garden

| Nutrients | RDA\# | Before Intervention |  | After Intervention |  |  |
| :--- | :---: | ---: | ---: | ---: | ---: | :---: |
|  |  | Mean |  | Percentage <br> adequacy | Mean <br> adequacy |  |
| Energy (K <br> calories) | 2230 | 1674.67 | 75.10 | 1885.61 | 84.56 |  |
| Protein (gms) | 55 | 44.10 | 80.18 | 47.07 | 85.58 |  |
| Fat (gms) | 25 | 15.84 | 63.37 | 19.92 | 79.69 |  |
| Fibre (gms) | 30 | 9.38 | 31.28 | 10.51 | 35.02 |  |
| Iron (mg) | 21 | 18.18 | 86.57 | 18.59 | 88.51 |  |
| Calcium (mg) | 600 | 248.60 | 41.43 | 311.06 | 51.84 |  |
| Carotene <br> (Micro gm) | 4800 | 1076.05 | 22.05 | 1701.66 | 34.87 |  |
| Vitamin C | 40 | 30.25 | 75.61 | 35.66 | 89.15 |  |

## FEEDBACK OF FARM WOMEN ON NUTRI-GARDEN

- The Nutri Garden established at the backyard of house and in the farm helped to get fresh vegetables throughout the season.
- The amount spent towards purchase of vegetables has been reduced from Rs. 19,200 per year to Rs. 7200 per year.
- The consumption of leafy vegetables has increased from twice a week to $4-5$ times a week.
- The percentage adequacy of nutrients after the implementation of Nutri Garden has increased among farm women.
- Th farm women expressed the happiness about the Nutrition Garden as they came to know about the cultivation of Betroot, Carrot, Hunchik and consumption of these vegetables has increased.


## PART XVI-FINANCIAL PERFORMANCE

## 16A. Details of KVK Bank accounts

| Bank <br> account | Name of <br> the bank | Location | Branch <br> code | Account <br> Name | Account <br> Number | MICR <br> Number | IFSC <br> Number |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| With Host <br> Institute | - | - | - | - | - | - |  |


| With KVK | SBI | Gadag | 0838 | KHP <br> KVK <br> Hulkoti | 10824829153 | 582002002 | SBIN0000838 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

16B. Utilization of KVK funds during the year 2019-2020 (Rs. in lakh)

| S. No. | Particulars | Sanctioned | Released | Expenditure |
| :---: | :---: | :---: | :---: | :---: |
| A. Recurring Contingencies |  |  |  |  |
| 1 | Pay \& Allowances | 16500000 | 16500000 | 16031289 |
| 2 | Traveling allowances | 135000 | 135000 | 134968 |
| 3 | Contingencies |  |  |  |
| A | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper \& Magazines) | 250000 | 250000 | 249937 |
| $B$ | POL, repair of vehicles, tractor and equipments | 300000 | 300000 | 299908 |
| C | Meals/refreshment for trainees Rs. $40 /$ day/trainee be maintained) (ceiling upto | 150000 | 150000 | 149970 |
| D | Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training) | 50000 | 50000 | 49960 |
| $E$ | Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year) | 414000 | 414000 | 413919 |
| $F$ | On Farm Testing (on need based, location specific and newly generated information in the major production systems of the area) | 68000 | 68000 | 67700 |
| G | Integrated Farming System | 0 | 0 | 0 |
| H | Training of Extension Functionaries | 25000 | 25000 | 25000 |
| I | Extension activities | 35000 | 35000 | 34960 |
| H | Farmers' Field School | 30000 | 30000 | 30000 |
| I | EDP / Innovative activities | 60000 | 60000 | 59992 |
| $J$ | Maintenance of buildings | 50000 | 50000 | 49990 |
| K | Establishment of Soil, Plant \& Water Testing Laboratory and issue of Soil Health Cards | 25000 | 25000 | 25000 |
| L | Maintenance of building | 125000 | 125000 | 124788 |
| M | Nutri Garden | 25000 | 25000 | 24970 |
| M | Library Maintenance | 10000 | 10000 | 9960 |
|  | TOTAL (A) | 18172000 | 18172000 | 17702321 |
| B. Non-Recurring Contingencies |  |  |  |  |
| 1 | Works | 0 | 0 | 0 |
| 2 | Equipments including SWTL \& Furniture | 0 | 0 | 0 |
| 3 | Vehicle (Four wheeler/Two wheeler, please specify) | 0 | 0 | 0 |
| 4 | Library (Purchase of assets like books \& journals) | 0 | 0 | 0 |
| TOTAL (B) |  | 0 | 0 | 0 |
| C. REVOLVING FUND |  | 0 | 0 | 0 |
| GRAND TOTAL ( $\mathrm{A}+\mathrm{B+}+\mathrm{C}$ ) |  | 18172000 | 18172000 | 17702321 |

16C. Status of revolving fund (Rs. in lakh) for the last three years

| Year | Opening balance <br> as on 1 $1^{\text {st }}$ April | Income <br> during the <br> year | Expenditure <br> during the year | Net balance in hand as <br> on 1 |
| :--- | :---: | :---: | :---: | :---: |
| April of each year |  |  |  |  |$|$


| April 2018 to <br> March 2019 | 1.341 | 28.856 | 24.064 | 6.133 |
| :--- | :---: | :---: | :---: | :---: |
| April 2019 to <br> March 2020 | 6.133 | 21.419 | 19.246 | 3.96 |

## 17. Details of HRD activities attended by KVK staff

| Name of the staff | Designation | Title of the training programme | Institute where attended | Dates |
| :---: | :---: | :---: | :---: | :---: |
| Dr.L.G.Hiregoudar | Senior Scientist and Head | Workshop on Food processing technologies developed by CFTRI, Mysuru | Hotel Capitol, Bengaluru | $\begin{aligned} & 29 \text { November } \\ & 2019 \end{aligned}$ |
| Mr.V.D.Vaikunthe | SMS (Agronomy) | Training on LRI under Sujala-III | NBSS \& LUP, Bengaluru | 20 April 2019 |
| Ms. Hemavati Hiregoudar | SMS (Horticulture) | Regional Horticultural Research, Extension, Advisory \& Project Formulation Workshop (Northern Region) | KRCCH, <br> Arabhavi. UHS- <br> Bagalkot | $\begin{aligned} & \text { 29-30, May } \\ & 2019 \end{aligned}$ |
|  |  | National level seminar on Cashew | Bramavara organised by DCCD, Kochi | 31 July - 2 <br> August, 2019 |
|  |  | Recent advances in Scientific Fruit crops cultivation | IIHR, Bengaluru | $\begin{aligned} & \text { 12 November, } \\ & 2019 \end{aligned}$ |
|  |  | Faculty development programme for KVKs of Southern states | EEI, Hyderabad | $\begin{array}{\|l\|} \hline 24-29, \\ \text { February } \\ 2020 \\ \hline \end{array}$ |
|  |  | TOT for nursery worker | Sri Sai Institute of Agricultural Sciences \& Technology, Bengaluru | $\begin{aligned} & \text { 07 March } \\ & 2020 \end{aligned}$ |
| Mr.S.H.Adapur | SMS (Ag. Extension) | Meeting on Vacuum packaging in Chilli at APMC, Byadagi | APMC. Byadagi | 21-06-2019 |
|  |  | National level seminar on Cashew | Brahmavara organised by DCCD, Kochi | $\begin{array}{\|l\|} \hline 31 \text { July - } 2 \\ \text { August, } 2019 \\ \hline \end{array}$ |
|  |  | International conference on strengthening of Agricultural Research \& Development | ICAR-KVK, Suttur | $\begin{aligned} & \hline \text { 14-16, } \\ & \text { December } \\ & 2019 \end{aligned}$ |
| Dr. Sudha V. Mankani | SMS (Home Science) | Eco-friendly enterprises | VIKASANA, Institute for Rural and Urban Development, Mandya | $\begin{aligned} & \hline \text { 12-13, July } \\ & 2019 \end{aligned}$ |
|  |  | Workshop on nutri garden | KVK, Tumkur | $\begin{aligned} & 05 \text { August } \\ & 2019 \end{aligned}$ |
|  |  | Entrepreneurship <br> Development Programme | IIHR, Bengaluru | $\begin{aligned} & \text { 19 October } \\ & 2019 \end{aligned}$ |
|  |  | Workshop on Food processing technologies developed by CFTRI, Mysuru | Hotel Capitol, Bengaluru | $\begin{aligned} & 29 \text { November } \\ & 2019 \end{aligned}$ |


| Name of the staff | Designation | Title of the training <br> programme | Institute where <br> attended | Dates |
| :---: | :---: | :--- | :--- | :--- |
|  |  | National Conference of <br> KVKs | NASC Complex, <br> New Delhi | 28 February- <br> 01 March, <br> 2020 |
| Mr.N.H.Bhandi | SMS (Soil Science) | Training on LRI under <br> Sujala-III | NBSS \& LUP, <br> Bengaluru | 20 April 2019 |
|  | Livelihood security of <br> farmers through <br> technology interventions <br> in salt affected soils | ICAR-CSSFT, <br> Karnal, Haryana <br> State | 31 January - <br> 7 February, <br> 2020 |  |

18. Please include any other important and relevant information which has not been reflected above (write in detail).

## i) EDP THROUGH PRIMARY PROCESSING OF MILLETS AND SALES OF PROCESSED MILLET GRAINS

Millets are the important crops grown in Gadag district. Farmers used to sell the un-processed Millets which fetches low price in the market. In addition, they are not aware of the Millet nutrition and value addition of millets. In order to promote the daily consumption of Millets and to get higher returns from the Millets, the EDP on Primary Processing and Marketing of Millets was done.

## Objectives:

- To get good market price for the processed grains
- To imbibe EDP skills in production \& marketing for small farmers
- To enhance returns from millet cultivation
- To create awareness on millet nutrition, value addition \& promote daily consumption of millets


## Activities conducted:

- Implemented EDP by taking 3 farm families.
- 12 trainings to farmers and farm women on crops and millet nutrition.
- 9 trainings to Extension Functionaries on Millet Nutrition
- 2 value addition trainings.
- Developed brochures \& Pamphlets on Millets.
- Exhibitions and fairs organised in collaboration with KSDA, organic farmers associations for promotion and marketing of Millets.
- Facilitated sales of millet products through ASF's Organic Store
- 2 Entrepreneurship Development Programmes on Millets was organized.
- Prepared labels \& pamphlets to facilitate marketing of Millets.

| SI. <br> N <br> 0. | Name of the farmer | Place | Name of value added product | Income without processi ng (Rs.) | Income with processing (Rs.)/\Qtl |  |  |  |  |  |  |  |  |  | Net income (Rs.) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Market value of un process ed grains/ Qtl | ```Processi ng charges / Qtl``` | Wasta ge (Kg/Qt I) | Good quality marketa ble grains after primary processi ng (Kg/Qtl) | Price / Qtl of process ed grains (Rs.) | Gross Income/ Qtl (Rs.) | Net <br> Income <br> / Qtl <br> (Gross <br> income <br> - <br> processi <br> ng <br> charges <br> (Rs.) | Total quantit y process ed (Qtls) | Processi ng charges (Rs.) | Good quality grains after primary processi ng | Gross income (Rs.) | $\begin{aligned} & \text { Withou } \\ & \text { t } \\ & \text { processi } \\ & \text { ng } \\ & \text { (Rs.) } \end{aligned}$ | With processi ng (Rs.) | Additio nal profit gained (Rs.) |
| 1 | Shri Ashok Halli | Shag oti | Foxtail Millet | 2000 | 800 | 30 Kgs | 70Kgs | 8000 | 4800 | 4000 | 12 | 9600 | 840 Kg | 57600 | 24000 | 33600 | 9400 |
|  |  |  | Little <br> Millet | 2500 | 800 | 40 Kgs | 60 Kgs | 9000 | 5400 | 4600 | 1 | 800 | 60 Kg | 4600 | 2500 | 4600 | 2100 |
| Additional income realised by farmers through primary processing of millets |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 11500 |
| 2 | Shri <br> Mallappa | Mado Ili | Foxtail Millet | 2000 | 800 | $\begin{gathered} 40 \\ \mathrm{Kgs} \end{gathered}$ | 60 Kgs | 9000 | 5400 | 4600 | 3 | 2400 | 180 Kg | 13800 | 6000 | 13800 | 7800 |
|  | Yaraguppi |  | Little millet | 2500 | 800 | 40 Kgs | 60 Kgs | 10000 | 6000 | 5200 | 1 | 800 | 60 Kg | 5200 | 2500 | 5200 | 2700 |
| Additional income realised by farmers through primary processing of millets |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 10500 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |


| SI. <br> N <br> 0. | Name of the farmer | Place | Name of value added product | Income without processi ng (Rs.) | Income with processing (Rs.)/\Qtl |  |  |  |  |  |  |  |  |  |  |  | Net income (Rs.) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Market value of un process ed grains/ QtI | ```Processi ng charges / Qtl``` | Wasta ge (Kg/Qt I) | Good quality marketa ble grains after primary processi ng (Kg/Qtl) | Price / Qtl of process ed grains (Rs.) | Gross Income/ Qtl (Rs.) | Net Income / QtI (Gross income processi ng charges (Rs.) | Total quantit y process ed (Qtls) | Processi ng charges (Rs.) | Good <br> quality grains after primary processi ng | Gross income (Rs.) | Withou <br> t <br> processi <br> ng <br> (Rs.) | With processi ng (Rs.) | Additio nal profit gained (Rs.) |
| 3 | Smt <br> Shashikala <br> Govindappa <br> Nagavi | Hulko ti | Foxtail Millet | 2000 | 800 | 30 Kgs | 70 Kgs | 10000 | 7000 | 6200 | 1 | 1600 | 140 Kgs | 12400 | 4000 | 8400 | 4400 |
|  |  |  | Little Millet | 2500 | 800 | 40 Kgs | 60 Kgs | 10000 | 6000 | 5200 | 1 | 800 | 60 Kgs | 5200 | 2500 | 5200 | 2700 |
|  |  |  | Ragi | 2500 | 400 | 75 Kgs | 1 Qtl | 6000 | 4500 | 4100 | 1 | 400 | 75 Kgs | 4100 | 2500 | 4100 | 1600 |
|  |  |  | Ragi Flour | 2800 | 400 | - | 1 Qtl | 7000 | 7000 | 6600 | 1 | 400 | 100 Kgs | 6600 | 2800 | 6600 | 3800 |
|  |  |  | Korale | 3500 | 800 | 40 Kgs | 60 Kgs | 18000 | 10800 | 10000 | 1 | 800 | 60 Kgs | 10000 | 3500 | 10000 | 6500 |
|  |  |  | Baragu | 3000 | 800 | 40 Kgs | 60 Kgs | 10000 | 6000 | 5200 | 1 | 800 | 60 Kgs | 5200 | 3000 | 5200 | 2200 |
| Additional income realised by farmers through primary processing of millets |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 21200 |
| (A) TOTAL AMOUNT (RS.) Realised through primary processing |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 43200 |

## EDP THROUGH SECONDARY PROCESSING OF MILLETS AND SALES OF VALUE ADDED PRODUCTS OF MILLETS

| Name of the farmer | Place | Name of value added product | Income without processing (Rs.) | Income with processing (Rs.)/\Qtl |  |  |  |  |  |  | Net income (Rs.) |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Market value of un processed grains/Qtl | Raw material charges | $\begin{aligned} & \text { Price/Kg } \\ & \text { of the } \\ & \text { product } \end{aligned}$ | Gross income | Net Income/Qtl (Gross income Raw material charges) | Total quantity of value added product prepared | Raw material charges | Gross income (Rs.) | With out proc essin g | Net Income/Qtl (Gross income Raw material charges) | Additional profit gained (Rs.) |
| Smt Shashikala Govindappa Nagavi | Hulkoti | Navane Muruku | 2000 | 180 | 350 | 350 | 170 | 20 Kgs | 1800 | 5200 | 200 | 3400 | 3200 |
|  |  | Finger Millet <br> Muruku | 2500 | 150 | 350 | 350 | 200 | 20 Kgs | 1500 | 5500 | 250 | 4000 | 3750 |
|  |  | Samae <br> Muruku | 2500 | 180 | 350 | 350 | 170 | 20 Kgs | 1800 | 5200 | 250 | 3400 | 3150 |
|  |  | Korale <br> Muruku | 3500 | 220 | 400 | 400 | 180 | 20 Kgs | 2200 | 5800 | 350 | 3600 | 3250 |
| (B) Additional income realised by farm women through secondary processing of millets |  |  |  |  |  |  |  |  |  |  |  |  | 13350 |

Details of Millet food supplied by Entrepreneur in Fairs and Exhibitions (Shri Ashok Halli, Shagoti village)

| $\begin{aligned} & \text { SI. } \\ & \text { No } \end{aligned}$ | Name of exhibition / fair | Meals (nos.) | Rate per meal (Rs.) | $\begin{aligned} & \text { Tiffins } \\ & \text { (nos.) } \end{aligned}$ | Rate per tiffin (Rs.) | Total amount of meals (Rs.) | Total Amount of Tiffin (Rs.) | Expenditure (Rs.) | Net income (Rs.) |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | Krishi Mela (UAS, Dharwad) | 150 | 75 | 90 | 40 | 11250 | 3600 | 6500 | 8350 |
| 2 | Raita Sneha Sammelana (Organised by KSDA, Dharwad) | 200 | 75 | 0 | 0 | 15000 | 0 | 7000 | 8000 |
| 3 | Hampi Utsav (Support by KSDA, Koppal | 300 | 60 | 150 | 40 | 18000 | 6000 | 11000 | 13000 |
| 4 | Millet Mela \& Organic Mela (Bengaluru) | 200 | 100 | 0 | 0 | 20000 | 0 | 10000 | 10000 |
| 5 | Rajeshwari Math Fair (Hulkoti) | 0 | 0 | 100 | 40 | 0 | 4000 | 500 | 3500 |
|  |  |  |  |  |  | (C) Additional income realised through field preparation with millets |  |  | 42850 |

Millet Food : Rotis of Foxtail Millet, Rice of Browntop Millet , Pulses, Vegetables etc.,
Total
(A) 43200.00
(B) 13350.00
(C) 42850.00
99400.00

CONCLUSION: 3 farmers got Rs.99400/- an additional income through this EDP

## ii) EDP ON VALUE ADDITION AND MARKETING OF TAMARIND

Tamarind as the age old crop grown in Gadag distict. Farmers used to lease the plants which fetches low price in the market. In order to promote value addition and to get higher returns from the Tamarind, the EDP on value addition and marketing of Tamarind products was initiated.

## Objectives:

- To imbibe EDP skills in marketing of Tamarind products
- To get an additional employment through preparation of Tamarind products
- To enhance the income of farm families


## Activities conducted:

- Implemented EDP by taking Pruthvi SHG from Shingatarayanakeri village of Mundaragi block
- Three training on value addition and 3 trainings on packing, labeling and marketing of Tamarind products
- Prepared labels and facilitated packing materials for marketing of tamarind products
- Facilitated to participated in Exhibition \& fairs for marketing of Tamarind products
- Initiated sales of Tamarind products to ASF's Organic Sales Unit and local shops \& petty shops

| Name of the SHG | Name of the SHG Member | Village | Taluk | Date of initiation |
| :---: | :---: | :---: | :---: | :---: |
| Pruthvi SHG | Renuka Mahalingappa Shirund | Singatarayanakeri | Mundaragi | 13-01-2020 |
|  | Kallavva Irappa Banavi |  |  |  |
|  | Jayashree Mahesh Ruddanavar |  |  |  |

## Production of tamarind products

| Name of the <br> product | Quantity produced <br> (2 months period) | Rate / <br> Piece or Kg (Rs.) | Total (Rs.) |
| :--- | :---: | :---: | :---: |
| Tamarind lollypop <br> (Big size) | 2500 nos. | 4 | 10000 |
| Tamarind lollypop <br> (Small size) | 4200 nos. | 1.5 | 6300 |
| Tamarind chutney | 15 Kg | 120 | 1800 |
|  |  | Total (Rs.) | $\mathbf{1 8 1 0 0}$ |

[^0]
[^0]:    CONCLUSION : 3 farm women got Rs.18100/- as additional income through EDP on value addition in Tamarind

