

**KRISHI VIGYAN KENDRA, CHITRADURGA**

**ANNUAL REPORT -2017-18**

**(FOR THE PERIOD FROM 01 APRIL 2017 TO 31 MARCH 2018)**

## **KVK Address and Host Organization details**

### **GENERAL INSTRUCTIONS**

#### **Please read the instructions very carefully before starting preparation of the report**

- Annual report is the most important document for the KVK and it directly reflects the overall achievements pertaining to the reported period. Hence due care need to be given by each KVK while preparing the report.
- Period of Report is from 01 April 2017 to 31 March 2018
- Action photographs with relevant captions covering various activities of the KVK in High resolution should be submitted separately in a CD/DVD along with this report.
- Prepare Summary tables carefully tallying with the relevant portions of the main report on all aspects.
- Retain the blank column and rows as such and do not merge the cells. Please specify NIL, wherever not applicable or details are not available.
- Check the names of varieties and hybrids and specify in the report.
- Check the units and totals of each data table
- Extension activity under celebrations for each important day, please insert separate rows and give appropriate data separately. Clubbing of data should be avoided.
- Success stories/case studies should be supported with data tables, graphs and photos.

## 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
ICAR- Krishi Vigyan Kendra, Chitradurga Babbur Farm, Hiriyyur-577 598, Chitradurga district, Karnataka State.	Office 08193-289160	Fax 08193- 289160	<a href="mailto:kvkchitradurgahyr@gmail.com">kvkchitradurgahyr@gmail.com</a> <a href="mailto:kvk.Chitradurga@icar.gov.in">kvk.Chitradurga@icar.gov.in</a>	kvkchitradurga.com

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

Address	Telephone		E mail	Web Address
	Office	Fax		
University of Agricultural and Horticultural Sciences, Shivamogga Savalanga Road, Navile, Shivamogga, Karnataka-Pin: 577 225	08182- 267001	08182-298008	vcuahs2014@gmail.com	uahs.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. S. Onkarappa	08193-289160	9480838201	<a href="mailto:onkarappas@yahoo.com">onkarappas@yahoo.com</a>

### 1.4. Year of sanction:

2000 under NATP, 2004 as full fledged KVK

### 1.5. Staff position as on 31 March 2018

Sl. No	Sanctioned post	Name of the incumbent	Designation	M/F	Discipline	Highest Qualification (for PC, SMS and Prog. Asstt.)	Pay Scale	Basic pay	Date of joining KVK	Permanent /Temporary	Category (SC/ST/OBC/ Others)
1	Senior Scientist & Head	-	-	-	-	-	-	-	-	-	-
2	Scientist	Dr. S. Onkarappa	Senior Scientist & Head (I/c) & Scientist	M	Plant Protection	Ph. D	15600 to 39100 +AGP7000	22340 + AGP 7000	17-07-2009	Permanent	Others
3	Scientist	Dr. Prakash Kerure	Scientist	M	Horticulture	Ph. D	15600 to 39100 +AGP6000	19800 +AGP 6000	10-11-2011	Permanent	OBC
4	Scientist	Dr. Rudragouda F Channagouda	Scientist	M	Agronomy	Ph.D	15600 to 39100 +AGP6000	18320+ AGP 6000	17-10-2013	Permanent	Others
5	Scientist	Dr. H.M. Thippeswamy	Scientist	M	Soil Science	Ph.D	15600-39100+ AGP6000	35000	14-08-2017	Temporary	Others
6	Scientist	Dr. Chaitra G J	Scientist	F	Agri. Extension	Ph.D	15600-39100+ AGP6000	35000	14-08-2017	Temporary	Others
7	Scientist	Mrs. Bindu B.M	Scientist	F	Home Science	M.Sc	15600-39100+ AGP6000	30000	18-08-2017	Temporary	Others
8	Programme Assistant	Mrs. Geetha Kumari B .N	Programme Assistant	F	Agriculture	B.Sc.	9300 to 34800 + AGP 4600	12940 + AGP 4600	04-11-2010	Permanent	OBC

	( Lab Tech.)		/training Asst								
9	Program me Assistant (Computer)	Miss. Kavitha P. Naik	Program me Assistant (Computer)	F	Computer Science	B.Sc	9300 to 34800 +AGP 4200	11000+AGP 4200	30-11-2013	Perm anent	OBC
10	Program me Assistant / Farm Manager	Mrs. Vidyavathi K B	Farm Manager	F	Microbiolog y	M.Sc.	9300 -34800 + AGP 4600	14040 + AGP 4600	05-06-2017	Perm anent	Others
11	Assistant	Mr. D. Gurumurthy	Assistant	M	Accounts & Administrati on	B.A	16000 - 29600	18100	01-01-2013	Perm anent	Others
12	Jr. Stenogra pher	Mrs. Rekha A	Jr. Stenograp her	F	Steno (Typing cum computer asst.)	B.A	14550-26700	12731	22-07-2017	Tem porar y	OBC
13	Driver - 1	Mr. Maheboob Patel	Driver	M	Tractor driver	PUC	14550-26900	18100	23-10-2008	Perm anent	OBC
14	Driver - 2	Mr. Bharaiyah S	Driver	M	Jeep driver (L M V)	SSLC	11600-21000	10150	03-10-2017	Tem porar y	Others
15	SS-1	Mr. Kallesha E	Assistant cook cum caretaker	M	Assistant Cook Cum Caretaker	B.com	10400-16400	10000	10-10-2017	Tem porar y	Others
16	SS-2	Mrs. Nagamma	Messenge r	F	Messenger	7 <sup>th</sup> std	9600-14550	9800	24-11-2016	Perm anent	OBC

**1.6. Total land with KVK (in ha) : 24.2 ha**

S. No.	Item	Area (ha)
1.	Under Buildings	08.00
2.	Under Demonstration Units	03.00
3.	Under Crops	10.60
4.	Orchard/Agro-forestry	03.60
5.	Others	-

**1.7. Infrastructural Development:**

**A) Buildings**

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs. in lakh )	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	2009	550	55.0	-	-	-
2.	Farmers Hostel	ICAR	December 2002	305	30.0	-	-	-
3.	Staff Quarters	-	-	-	-	-	-	-
4.	Demonstration Units							
	1.Vermi compost Unit	RKVY	29-3-2017	10	0.4	-	-	-
	2. Nursery			25	0.6	-	-	-
5	Fencing	-	-	-	-	-	-	-
6	Rain Water harvesting system	ICAR	March 2008		9.70	-	-	
7	Threshing floor	-	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-
9	Plant Health Clinic	NHM	June 2008	-	20	-	-	-
10	Vehicle & Implement Shed	ICAR	Sept 2011	-	2.65	-	-	-

**B) Vehicles**

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Mahindra Bolero KA 16 N 4264	2017	6,63,495	43364 km	Good Condition
Tractor	2007	4,66,319	4228.8 Hours	Good Condition
Two Wheeler (Hero Honda) KA 16 S 4401	2009	42,645	25458 km	Good Condition
Scooter (Honda Activa) KA 16 S 4415	2009	39,350	43711 km	Good Condition
TVS Victor KA04EF8139	2003	38,363	74771 km	Good Condition

**C) Equipment & AV aids**

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
H.P. Laser Jet Printer 1020 plus	2017	10900=00	Good Condition
Lenovo Computer (KAPC Project)	2017	48530=00	Good Condition
Autoclave portable pad	2017	38919=00	Good Condition
Statute meter (Height scale) & Weighing scale	2017	1793=00	Good Condition
R.O. water purifier 2 no	2017	20610=00	Good Condition
Mixer (Hostel)	2017	6100=00	Good Condition
Samsung Refrigerator	2017	20000=00	Good Condition
25 ltr Crompton Geaser & 15 ltr Crompton Geaser (Hostel)	2017	24162=00	Good Condition
E C Meter (supplied by SPO UAHS)	2017	68145=00	Good Condition
Water Distillation unit (supplied by SPO UAHS)	2017	162241=00	Good Condition
H.P Printer 1005 MRPDrim scan printer	2017	16520=00	Good Condition
Lexpure R.O System 2 nos	2017	31989=00	Good Condition
All controller based flame photometer with compressor (supplied by SPO UAHS)	2017	69054=00	Good Condition
P.H. meter (supplied by SPO UAHS)	2017	31624=00	Good Condition
Shaker Reciprocating Type 1 no (supplied by SPO UAHS)	2017	62540=00	Good Condition
Digital Spectrophotometer	2017	470230=00	Good Condition

**1.8. Details of SAC meeting conducted during 2017-18**

Date	Number of Participants	Salient Recommendations	Action taken	Remarks, if any								
11-12-2017	19	Emphasize soil and climate specific crop cultivation	Off campus training have been conducted at Gopinahalli & Sanikere of Challakere tq. 8-1-2018 <table border="1"> <thead> <tr> <th>Title</th> <th>Date</th> <th>Place</th> <th>No. of participants</th> </tr> </thead> <tbody> <tr> <td>1.Impact of climate change on crop productivity</td> <td>8-1-2018</td> <td>Gopinahalli, Challakere Tq.</td> <td>53</td> </tr> </tbody> </table>	Title	Date	Place	No. of participants	1.Impact of climate change on crop productivity	8-1-2018	Gopinahalli, Challakere Tq.	53	-
Title	Date	Place	No. of participants									
1.Impact of climate change on crop productivity	8-1-2018	Gopinahalli, Challakere Tq.	53									
		Establishment of processing and value addition unit specific to 'Siri Dhanyagalu'	Proposal for establishment of Millet processing unit at Kangolli, Hosdurga Tq. (Ramalingeshwara coconut growers FPO) has been sent to Director of Extension for further action	-								
		Awareness campaign and training on 'Nela Jala'	Off campus training on 'Nela Jala' has been conducted at Sanikere on 10-1-2018 <table border="1"> <thead> <tr> <th>Title</th> <th>Date</th> <th>Place</th> <th>No. of participants</th> </tr> </thead> <tbody> <tr> <td>Soil and water conservation</td> <td>10/1/2018</td> <td>Sanikere Challakere Tq.</td> <td>46</td> </tr> </tbody> </table>	Title	Date	Place	No. of participants	Soil and water conservation	10/1/2018	Sanikere Challakere Tq.	46	-
Title	Date	Place	No. of participants									
Soil and water conservation	10/1/2018	Sanikere Challakere Tq.	46									
		Distribution and planting of seedlings in collaboration with Social Forestry Department	Discussed with Social forest department, Hiriur – Action will be taken in <i>Kharif</i> season	-								
		Promoting apiculture as an entrepreneurship	<ul style="list-style-type: none"> <li>24 Bee hives were distributed to progressive farmers across the district during the year 2017-18.</li> <li>Promotion of entrepreneurship in apiculture was emphasized during progressive farmers to farmers</li> </ul>	-								

			training program (3 days) and technology week celebration at KVK.	
		Conducting more FLD's on specific technologies beneficial to farmers	Three OFT's and 12 FLD's on specific technologies beneficial to farmers planned during the year 2018-19	-
		Intervention on phyllody menace in Sesamum and conducting OFT, verification of groundnut varieties cultivated by farmers without department recommendation	OFT on Assessment of Sesame varieties for higher yield at Hosadurga and FLD on Groundnut variety G-2-52 at Baramasagara, Challakere Tq. will be initiated during 2018-19	-
		Availability of small scale machineries for farm operations	<ul style="list-style-type: none"> <li>• Training &amp; exhibition were conducted on 7-3-2018</li> <li>• Trainees of KVK are made to visit custom hiring centre established at ZAHRS , Babbur farm to create awareness on use of small scale machineries</li> </ul>	-
		Promoting mulching technology using coconut fronds waste generated in the farm	<ul style="list-style-type: none"> <li>• Method demonstrations on mulching technology using coconut fronds at KVK - IFS plot of Mango orchard</li> <li>• Method demonstrations on mulching technology using coconut fronds through off campus training programme during the year 2018-19</li> </ul>	-
		Enhancing availability of Greengram variety KKM-3 through ZAHRS , Hiriyur	<ul style="list-style-type: none"> <li>• Large scale demonstration on greengram variety KKM-3 will be initiated during 2018-19</li> <li>• Seed production activity will be initiated during the year 2018-19</li> </ul>	-
		Promoting Protected cultivation and FPO's for efficient marketing	On campus training programme for extension functionaries and FPO members on protected cultivation is planned during the year 2018-19	-
		Collaborative work on food preservation techniques, training on low cost diet, nutrition gardens in Anganwadi Kendras	On campus trainings & method demonstrations will be taken up for Anganwadi Kendra workers during year 2018-19	-
		Strategy for sustainable land utilization and cropping pattern for the areas to be covered in the upcoming Upper Bhadra Irrigation Project	<ul style="list-style-type: none"> <li>• On campus training on sustainable land utilization and cropping pattern was conducted on 22-2-2018</li> <li>• Creating awareness on sustainable land utilization and cropping pattern during Krishi Abhiyana programme in collaboration with DoA</li> </ul>	-
		Create awareness on improvement of storage capacity of check dams	<ul style="list-style-type: none"> <li>• Trainees of KVK are made to visit Farm pond and trench cum bunding at KVK Farm</li> <li>• Creating awareness on storage capacity of check dams during Krishi Abhiyana programme in collaboration with DoA</li> </ul>	-
		Conduct more programs especially farmers-scientist interactions and radio talks on the relevant technology on time bound basis	<ul style="list-style-type: none"> <li>• Action will be initiated on farmers-scientist interactions during year 2018-19</li> <li>• Radio talks will be conducted on the relevant crop and season</li> </ul>	-
		Conducting training on market intelligence and provide information on market for rural youths	On and Off campus training will be conducted on market intelligence for rural youths during the year	-
		Soil health specific to organic carbon and water quality	Action will be taken in collaboration with NBSS & LUP, Bangalore	-

**PART II - DETAILS OF DISTRICT**

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

S. No	Farming system/enterprise
1	Agriculture
2	Agriculture + Animal husbandry
3	Agriculture + Horticulture
4	Agriculture + Animal Husbandry+ Horticulture
5	Agriculture + Sericulture + Horticulture + Animal Husbandry

**2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)**

S. No	Agro-climatic Zone	Characteristics
1	Central Dry Zone (Zone- IV) of Karnataka	Normal rain fall- 592 mm Max Temp- 38 Min Temp- 19.3 Hot semi arid Shallow and medium red and black soil

S. No	Agro ecological situation	Characteristics
1	Central Dry Zone	Total Geographical Area of the district: 7.70 lakh ha. total cultivable area is 4.05 lakh ha. In this 3.55 lakh ha. (58 %) is under rainfed condition and 0.5 lakh ha (12 %) is under irrigated condition

**2.3 Soil type/s**

Sl. No	Soil type	Characteristics	Area in lakh ha
1	Red sandy loam with low rainfall	Soil are low in available nitrogen content, medium in phosphorus and potassium. Organic matter content is low and bulk density is moderate. Water holding capacity is less and soil depth is shallow natured.	1.96
2	Red sandy loam with medium rainfall	Available nutrients are medium in nature, micro nutrients like iron, copper, manganese are medium in nature. Molybdenum, boron and zinc are low. These soils are well drained and suitable for water logging sensitive crops, Low CEC.	1.36
3	Medium to deep black soils with medium rain fall	Soil depth is high (90 cm and above). These soil contain swelling and shrinking property because Montmorillinite clay. These soils are suitable for cotton, maize, jowar, etc. Water holding capacity is more.	2.09

**2.4. Area, Production and Productivity of major crops cultivated in the district**

Sl. No	Crop	Area (ha)	Production (Metric tons)	Productivity (kg /ha)
1.	Maize	102692	90454	1353
2.	Paddy	13946	27291	3315
3.	Wheat	1566	2577	2394
4.	Ragi	50728	62706	1005
5.	Jowar	16713	19295	879
6.	Bajra	1508	601	400
7.	Minor millets	4925	2073	292
8.	Redgram	15115	4284	473
9.	Green Gram	4372	383	144
10.	Bengal gram	18801	4192	397
11.	Cowpea	1076	353	327
12.	Field bean	3690	6226	1939
13.	Groundnut	155732	33404	237
14.	Sunflower	13050	17285	432
15.	Castor	1944	846	883
16.	Niger	151	92	346
17.	Sesamum	4176	2196	656
18.	Safflower	523	2581	584

19.	Cotton	16085	7054	289
20.	Arecanut	18241	23741	1302
21.	Coconut	54168	5965	110
22.	Banana	5097	141178	27698
23.	Beetle vine	381	7620	20000
24.	Mango	3009	34061	11320
25.	Sapota	1544	14336	9285
26.	Sweet Orange	728	9734	1337
27.	Papaya	582	41145	70696
28.	Pomegranate	1909	17635	9238
29.	Water melon	228	7140	31316
30.	Onion	16618	331612	19955
31.	Tomato	1766	38585	21849
32.	Chilly	1606	17196	10707
33.	Brinjal	263	6078	23110
34.	Chrysanthemum	385	4972	12914
35.	Crossandra	338	1660	4911
36.	Tuberose	350	3196	9131
37.	Jasmine	249	1659	6663

\* Data provided by JDA office 2015-16

## 2.5. Weather data

Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)
		Maximum	Minimum	
April -17	15.4	39.0	24.1	60.0
May -17	152.2	36.7	23.1	62.5
June-17	18.6	32.1	22.1	70.0
July-17	29.6	31.1	21.7	72.0
August-17	60.2	31.2	21.7	64.5
September-17	160	30.9	21.4	71.5
October-17	290.8	30.1	21.0	71.5
November-17	2	30.0	18.8	74.0
December -17	0	29.8	15.7	75.5
January-18	0	30.8	14.2	64.0
February-18	0	32.4	15.2	57.5
March-18	02	35.4	17.7	51.0

\* Data provided by JDA office 2017-18

## 2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

Category	Population	Production	Productivity
<b>Cattle</b>			
<i>Crossbred</i>	34806	6 LPD	10 LPD
<i>Indigenous</i>	239931	1.5 LPD	2 LPD
<b>Buffalo</b>	151895	2 LPD	3 LPD
<b>Sheep</b>	924231		
<i>Crossbred</i>	-	Meat	20 Kg / Animal
<i>Indigenous</i>	-	Wool	1 kg / year
<b>Goats</b>	226696	16 Kg/ Animal	18 kg/ Animal
<b>Pigs</b>	2810		
<i>Crossbred</i>	-	60 Kg/ Animal	80 kg/ Animal
<i>Indigenous</i>	-	40 Kg/ Animal	60 Kg/ Animal
<b>Rabbits</b>	1465		
<b>poultry</b>	161175		



Hens			
<i>Desi</i>	-	60-80 eggs / year	100 eggs / year
<i>Improved</i>	-	280 eggs / year	280 eggs / year

\* Department of animal husbandry , Chitradurga

District profile has been Updated for 2017-18 Yes / No: No

## 2.8 Details of Operational area / Villages

Sl.No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Chellakere	Chellakere	Gopanagalli,	2	Onion	Low yield due to local varieties No results of onion varieties suitable for Rabi season	Crop improvement
2.	Chellakere	Chellakere	Kaparahalli	1	Onion	Use of local variety i.e. Satara Gurva Low Yield No Variety suitable of late <i>Kharif</i> Imbalanced nutrition Incidence of Thrips	ICM
3.	Chitradurga	Chitradurga	Neranal	1	Chrysanthemum	Imbalanced nutrient management Flower malformation, sucking pest, bud borer and leaf blight	ICM
4.	Chellakere	Chellakere	Purlahalli	1	Watermelon	Fruit cracking, Imbalanced nutrient application Wilt disease	ICM
5.	Hosadurga	Hosadurga	Kittadal	1	Foxtail millet	Low yielding varieties Existing varieties are susceptible to stress condition Non available good quality fodder	High yielding varieties
6.	Hiriyur	Dharampura	Shidlianakote	2	Redgram	Low yield Sterility mosaic and wilt problem Pod borer , Webber and wilt	High yielding varieties
7.	Challakere	Challakere	Baramasagar	1	Finger millet	Low yield Neck blast, lodging and susceptibility to drought Imbalance nutrition	ICM
8.	Challakere	Parasurampura	Bommanakunte	2	Groundnut	Non adaption proper spacing Non availability of high yielding varieties Existing varieties susceptible to pest and diseases Imbalanced fertilizer application. Non application of bio-fertilizers and bio-agents	ICM
9.	Challakere	Challakere	Balenahalli	1	Fodder sorghum	Non availability of good quality green fodder variety Non availability of drought resistant variety	High yielding variety
10.	Hosadurga	Hosadurga	K K Hatti	1	Little millet	Low yield Shoot fly problem Imbalanced nutrition	ICM
11.	Hiriyur	Dharampura	KVK Babbur Farm	2	Value addition	Lack of processing machinery, knowledge on branding and market linkage	Value addition, branding & marketing of minor millets

12.	Hiriyur	Dharampura	Gudihalli	4	Banana	Low bunch yield due to imbalanced nutrient management in banana	INM
13.	Hosadurga	Hosadurga	Kittadal	2	Green gram	Existing varieties are susceptible for yellow mosaic disease	High yielding variety
14.	Hiriyur	Dharampura	Kariobana hallui, Babbur	2	Bengalgram	Lack of suitable varieties for mechanized harvesting, Scarcity of labor and higher harvesting cost	High yielding variety
15.	Holalkere	Ramagiri	Talakatta	3	Areca nut	Bud rot, Incidence of spindle bug, scales, mites and imbalanced nutrition	ICM
16.	Hosadurga	Hosadurga	Kadaviger	5	Coconut	Yield loss due to imbalanced nutrient management, Incidence of red palm weevil ,mites, stem bleeding, wilt, leaf spot disease	ICM

## 2.9 Priority thrust areas

S. No	Thrust area
1.	Salt affected Soil Management
2.	Water Management
3.	Nutrient management in coconut, banana, arecanut, pomegranate, papaya
4.	Dry land farming
5.	Weed management
6.	Fodder productivity
7.	Seed production (Onion)
8.	Integrated Pest and Disease Management in Pomegranate, coconut, areca nut, pulses, watermelon, chrysanthemum,
9.	Value addition, branding and marketing
10.	FPO Linkage

**PART III - TECHNICAL ACHIEVEMENTS****3.A. Details of target and achievements of mandatory activities**

OFT				FLD			
1				2			
Number of OFTs		Number of farmers		Number of FLDs		Number of farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
5	5	15	15	14	14	229	229

Training				Extension Programmes			
3				4			
Number of Courses		Number of Participants		Number of Programmes		Number of participants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
85	87	4375	2510	2353	3605	212235	1128773
Seed Production (Qtl.)				Planting materials (Nos.)			
5				6			
Target		Achievement		Target		Achievement	
Bhima Super onion variety- 4q		2 q		Sapota- 1000		Nil	
Arka Kalyan onion variety		23 q					
Fodder Sorghum-(CoFS-29,31) – 1 q		1.2 q		Mango (Mallika )- 1000		Nil	
Chickpea- 10q		Nil		Drumstick- 10000		Nil	
foxtail millet- 15q		5.5 q					
Redgram-		3.5					
Green gram		2.2					

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
Nil	Nil	1.Trichoderma- 1000	195
		2.Pseudomonas-1000	229

**3.B1. Abstract of interventions undertaken**

S. 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 (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
													No	kg
1	Crop improvement	Redgram	Low yield Sterility mosaic and wilt problem	Assessment of redgram varieties for sterility mosaic and wilt	-	01	01	01	01	0.36	-	-	3	6

2	ICM	Groundnut	Non adaption proper spacing Non availability of high yielding varieties Existing varieties susceptible to pest and diseases Imbalanced fertilizer application. Non application of bio-fertilizers and bio-agents	-	ICM in groundnut	04	02	02	01	18.0	-	-	3	150
3	ICM	Finger millet	Low yield Neck blast, lodging and susceptibility to drought Imbalance nutrition	-	ICM in Finger millet	03	01	1	01	0.50	-	-	3	30
4	ICM	Little millet	Low yield Shoot fly problem Imbalanced nutrition	-	ICM in Little millet	02	01	01	01	0.5	-	-	3	30
5	High yielding variety	Fodder sorghum	Non availability of good quality green fodder variety Non availability of drought resistant variety	-	Introduction of multicut fodder sorghum Var.CO FS-31 for higher green fodder yield	03	02	01	01	0.20	-	-	3	30
6	High yielding variety	Green gram	Existing varieties are susceptible for yellow mosaic disease	Assessment of greengram varieties for rainfed situation	-	01	0	0	3		-	-	3	6
7	High yielding variety	Bengalgram	Lack of suitable varieties for mechanized harvesting, Scarcity of labor and higher harvesting cost	Assessment of bengalgram varieties	-	01	0	0	4	0.65	-	-	2	4
8	INM	Banana	Imbalanced nutrient management	-	INM in Banana	01	01	0	2	-	-	-	2	20
9	ICM	Areca nut	Bud rot, Incidence of spindle bug, scales, mites and imbalanced nutrition	-	ICM in Areca nut	02	01	01	2	-	-	-	1	100

10	ICM	Coconut	Yield loss due to imbalanced nutrient management, Incidence of red palm weevil ,mites, stem bleeding, wilt, leaf spot disease	-	ICM in Coconut	02	01	0	2	-	-	-	1	50
11	ICM	Redgram	Low yield due to pod borer and leaf webber Incidence  Pigeon pea sterility mosaic and wilt disease	-	ICM in Redgram	04	02	1	4	3.10	-	-	2	38
12	ICM	Bengal gram	Low yield due to pod borer and wilt disease	-	ICM in Bengal gram	01	0	01	03	6.60	-	-	1	13
13	Crop improvement	Onion	<ul style="list-style-type: none"> <li>•Low yield due to local varieties</li> <li>•No results of onion varieties suitable for Rabi season</li> </ul>	Assessment of suitable onion varieties for Rabi season	-	2	-	1	2	0.09	-	-	-	-
14	ICM	Onion	<ul style="list-style-type: none"> <li>•Use of local variety i.e. Satara Gurva</li> <li>•Low Yield</li> <li>•No Variety suitable of late <i>Kharif</i></li> <li>•Imbalanced nutrition</li> <li>•Incidence of Thrips</li> </ul>	-	Integrated crop management in onion for higher bulb yield	5	-	1	2	0.33	-	-	-	-
15	ICM	Chrysanthemum	<ul style="list-style-type: none"> <li>•Imbalanced nutrient management</li> <li>•Flower malformation, sucking pest, bud borer and leaf blight</li> </ul>	-	Integrated Crop Management in Chrysanthemum	2	-	-	2	-	-	-	2	100
16	ICM	Watermelon	<ul style="list-style-type: none"> <li>•Fruit cracking</li> <li>•Imbalanced nutrient application</li> <li>•Wilt disease</li> </ul>	-	Integrated Crop Management in Watermelon	4	-	-	1	-	-	-	-	-
17	ICM	Foxtail millet	Low yielding varieties Existing varieties are susceptible to stress condition Not available good quality fodder	Assessment of foxtail millet varieties for higher yield	-	1	-	-	2	0.3	-	-	2	42

18	Vale addition	Millet	Lack of awareness on vale addition and marketing	-	Vale addition, branding and market linkage(EDP)	5	3	-	8	-	-	-	-	-
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### 3.B2. Details of technology used during reporting period

S.No	Title of Technology	Source of technology	Crop/enterprise	No. of programmes conducted			
				OFT	FLD	Training	Others (Specify)
1	2	3	4	5	6	7	8
1	Assessment of suitable onion varieties for Rabi season	DOGR-Pune, NHRDF-Nasik, IIHR-Bengaluru	Onion	OFT	-	2	Sharing meeting
2	Integrated crop management in onion for higher bulb yield	DOGR-Pune	Onion	-	FLD	7	Field day
3	Integrated Crop Management in Chrysanthemum	IIHR-Bengaluru and UHS B	Chrysanthemum	-	FLD	4	Sharing meeting
4	Integrated Crop Management in Watermelon	IIHR-Bengaluru	Watermelon	-	FLD	5	Sharing meeting
5	Assessment of redgram varieties for sterility mosaic and wilt	UASR UASB	Redgram	OFT	-	3	Sharing meeting
6	ICM in groundnut	UASD	Groundnut	-	FLD	08	Field day
7	ICM in Finger millet	UASB	Finger millet	-	FLD	05	Field day
8	ICM in Little millet	UASB	Little millet	-	FLD	03	Field day
9	Introduction of multicut fodder sorghum Var.COFS-31 for higher green fodder yield	TNAU	Fodder sorghum	-	FLD	06	Field day
10	Assessment of greengram varieties for rainfed situation	UAS (D) UAHS(S) UAS(D)	Greengram	OFT	-	01	-
11	Assessment of bengalgram varieties	UASR JNAU , MP JNAU , MP	Bengalgram	OFT	-	01	Sharing meeting
12	INM in Banana	IIHR	Banana	-	FLD	02	-
13	ICM in Arecanut	UAHS S	Areca nut	-	FLD	02	Sharing meeting
14	ICM in Coconut	UAHS S	Coconut	-	FLD	01	Sharing meeting
15	ICM in Redgram	UAS(B)	Redgram	-	FLD	02	Field day
16	ICM in Bengal gram	UAS(B)	Bengal gram	-	FLD	02	Field day
17	Assessment of foxtail millet varieties for higher yield	UASD UASR	Foxtail millet	OFT	-	01	-
18	Vale addition, branding and market linkage(EDP)	TNAU UASD	Millet	-	EDP	8	Sharing meeting

### 3.B2 contd..

No. of farmers covered															
OFT				FLD				Training				Others (Specify)			
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
2	-	-	-	-	-	-	-	24	3	8	2	-	-	-	-
-	-	-	-	7	-	1	-	155	60	23	8	-	-	-	-
-	-	-	-	8	-	2	-	63	12	15	6	-	-	-	-
-	-	-	-	11	-	-	-	89	21	18	9	-	-	-	-
2	-	-	-	-	-	-	-	91	9	43	12	-	-	-	-
-	-	-	-	35	-	15	-	140	32	54	21	22	8	8	4
-	-	-	-	10	-	-	-	110	22	49	11	-	-	-	-
-	-	-	-	10	-	-	-	92	8	32	6	-	-	-	-
-	-	-	-	5	-	5	-	132	19	42	9	-	-	-	-



Income Generation Enterprises										
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-	-	-	-	-	-
Farm Machineries	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-	-	-	-	-	-
Storage Technique	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-	-	-	-	-

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

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	-	-	-	-	-	-
<b>TOTAL</b>	-	-	-	-	-	-

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

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	-	-	-	-	-	-
<b>TOTAL</b>	-	-	-	-	-	-

#### 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	-	-	-	-	-
	-	-	-	-	-
Varietal Evaluation	Redgram	Assessment of Redgram varieties for sterility mosaic and wilt	2	2	0.8
	Onion	Assessment of suitable onion varieties for Rabi season	2	2	0.8
	Bengalgram	Assessment of Bengalgram varieties for higher yield	2	2	0.8
	Foxtail millet	Assessment of foxtail millet varieties for higher yield	3	3	1.2



	Green gram	Assessment of greengram varieties for rainfed situation	2	2	0.8
Integrated Pest Management	-	-	-	-	-
	-	-	-	-	-
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	-	-	-	-	-
	-	-	-	-	-
<b>Total</b>	<b>5</b>	<b>-</b>	<b>11</b>	<b>11</b>	<b>4.4</b>

#### 4.B.2. Technologies Refined 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	-	-	-	-	-
	-	-	-	-	-
Varietal Evaluation	-	-	-	-	-
	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-
	-	-	-	-	-
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	-	-	-	-	-
	-	-	-	-	-
<b>Total</b>	-	-	-	-	-

#### 4.B.3. Technologies assessed under Livestock and other enterprises

Thematic areas	Name of the 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	-	-	-	-
<b>Total</b>			-	-

#### 4.B.4. Technologies Refined under Livestock and other enterprises

Thematic areas	Name of the 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	-	-	-	-
<b>Total</b>			-	-

#### 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		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
Redgram	Rainfed	Low yield Sterility mosaic and wilt	Assessment of redgram varieties for sterility mosaic and wilt	2	T <sub>1</sub> : BRG-2 T <sub>2</sub> : BRG-5 T <sub>3</sub> : BSMR-736	UASB, UASR	Varieties			No. of pods/plant	% sterility mosaic disease incidence			
							BRG-2	6.9	q/ha	78	26.7	15200	2.12	-
							BRG-5	8.8		190	0	21890	2.46	-

		problem					BSMR-736	10.5		214	0	27035	2.58	-	
										<b>Days to harvesting (Days)</b>	<b>Bulb size &amp; color</b>				
Onion	Irrigated	Low yield due to local varieties. No results of onion varieties suitable for Rabi season.	Assessment of suitable onion varieties for Rabi season.	2	T1: Satara Gurva	Farmers practice	T1: Satara Gurva	19.1	t/ha	115	Med. & Red	1,86,500	2.87	-	
					T2: Arka Niketan	IIHR (B)	T2: Arka Niketan	27.4		135	Med & Light red	3,11,000	4.11	-	
					T3: Bhima Shakti	DOGR(P)	T3: Bhima Shakti	32.9		125	Med & Light red	3,93,500	4.94	-	
					T4: NHRD F-28 Red	NHRDF(N)	T4: NHRD F-28 Red	25.6		110	Med & Dark red	2,84,000	3.84	-	
Foxtail Millet	Rainfed	Low yielding varieties. Varieties are susceptible to stress condition. Not available good quality fodder.	Assessment of foxtail millet varieties for higher yield.	3	T1: SIA-2644 T2: HMT-100-1	UASR UASD	Vitiated								
Greengram	Rainfed	Existing varieties are susceptible for yellow mosaic disease.	Assessment of greengram varieties for rainfed situation.	2	T1: DDGV-2 T2: KKM-3 T3: BGS-9	UAS (D) UAHS(S) UAS(D)	Vitiated								
Bengal gram	Rainfed	Lack of suitable varieties for mechanized harvesting. Scarcity of labor and higher harvesting cost.	Assessment of bengalgram varieties for higher yield.	2	T1: GBM-2 T2: JAKI-9218 T3: JG-11	UASR JNAU, MP JNAU, MP	Varities			No. of pods/plant	No. of damaged parts				
							GBM-2	6.25	q/ha	72	9	12635	1.8	-	
							JAKI-9218	7.87		78	6	19675	2.31	-	
							JG-11	8.12		81	5	20430	2.33	-	

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

**A.**

**1. Title of Technology Assessed :** Assessment of redgram varieties for sterility mosaic and wilt

**2. Performance of the Technology on specific indicators :** The variety BSMR -736 recorded better yield over BRG-2 and this variety is resistant yellow mosaic disease.

**3. Specific Feedback from farmers :** High yielding with disease resistant

**4. Specific Feedback from Extension personnel and other stakeholders :** BSMR -736 is disease resistant variety

**5. Feedback to Research System based on results and feedback received :** Develop sterility mosaic disease resistant and short duration varieties



Among the two varieties, BSMR-736 recorded higher plant height (188.8 cm), number of branches (13.3), number of pods (214), yield ( 10.5 q/ha) net returns (Rs. 27035 /ha) and B:C ratio (2.58), less number of pod damage (5) and per cent sterility mosaic disease (26.7 %) respectively, over BRG-2. However it was closely followed by BRG-5.

**B.**

**1. Title of Technology Assessed:** Assessment of suitable onion varieties for Rabi season

**2. Performance of the Technology on specific indicators:** The technological option-3 i.e. Bhima shakti variety is performing well with respect to highest yield of 32.9 t/ha as compared with farmers practice i.e Satara Gurva of 19.1 t/ha.

**3. Specific Feedback from farmers:** The Bhima Shakti variety is good market demand due to medium size and high yielder compared to satara gurva

**4. Specific Feedback from Extension personnel and other stakeholders:** It does not skin out, medium sized, light red colour and very much preferred by consumer.

**5. Feedback to Research System based on results and feedback received:** Nil



Varietal assessment in onion for higher yield in Rabi season was conducted at Gopanhalli village of Chellakere Tq. during Rabi season 2017-18. The farmers practice i. e, Statara Gurva variety, recommended variety i. e, Arka Niketan and alternate varieties viz., Bhima Shakti and NHRDF-28-Red variety were tested in two farmer's field. The results revealed that, among tested variety the Bhima Shakti variety performing well w.r.t. higher yield of 32.9 t/ha with high BC ratio of 4.94 providing highest net returns of Rs. 3, 93,500 per hectare compare to local check variety Satara Gurva with lowest yield of 19.1 t/ha. After Bhima Shakti the Arka Kalyan performing well w.r.t to high yields and higher net returns. The Arka Niketan took longest days to harvest i.e., 135 days followed by Bhima Shakti while, NHRDF-28-Red matures early i.e 110 days.

## C.

1. **Title of Technology Assessed :** Assessment of Bengalgram varieties for higher yield
2. **Performance of the Technology on specific indicators :** The variety JG-11 recorded better yield over GBM - 2.
3. **Specific Feedback from farmers :** High yielding
4. **Specific Feedback from Extension personnel and other stakeholders :** JG-11 is short duration variety
5. **Feedback to Research System based on results and feedback received :** Develop erect and short duration variety for mechanical harvesting .

		
Seed treatment	Demonstration of Pheromone trap	Bengal gram field view with 3 varieties

Among the three varieties ,JG 11 recorded higher number of pods per plant (81 ) , highest yield of 8.12 q/ha , net returns of Rs. 20430 and B: C ratio of 2.33 . No. of pods damaged by pod borer was less when compared to other varieties .

## 4.D1. Results of Technologies Refined

Crop/enterprise	Farming situation	Problem definition	Title of OF T	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
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-

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

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

**PART V - FRONTLINE DEMONSTRATIONS**

## 5.A. Summary of FLDs implemented

Sl. No.	Category	Farming Situation	Season	Crop	Variety/breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		Farmers (No.)		Farmers (No.)	
									Proposed	Actual	S C/ S T	Others	Small / Marginal	Others
1	Oilseeds	Rain fed	Kharif -2017-18	Groundnut	GPB D-4	-	Higher	1.Variety GPBD-4 2.	20	20	15	35	12	38

							yield	Biofertilizers- Rhizobium & PSB , Biopesticide- Trichoderma Use of micronutrients (10 kg ZnSo <sub>4</sub> ) Herbicide : 2.5 kg Alachlor /ha RDF-25:50:25 kg NPK+ 5 t FYM/ha + 500 kg gypsum/ha 19:19:19 fertilizer sprayed at 35 DAS Foliar spray of 0.1% borax at the time flowering							
	Pulses														
2		Rain fed	<i>Kharif</i> -2017-18	Red gram	BRG-5	-	ICM	Introduction of new variety BRG-5  FYM –7.5 t/ha, N:P:K 25:50:25, Sulphur- 20 kg, ZnSO <sub>4</sub> –15 kg/ha  Trichoderma – 5 g/kg seeds, Rhizobium – 500 g/ha, PSB – 500g/ha.  Pheromone traps – 10 Nos. / ha , HaNPV – 300 LE/ha.  Use of Bird perches  Dicofol 18.5EC – 2.5 ml/l, Emamectin benzoate 5 SG – 0.3 g/l	10	10	4	21	7	18	
3		Rain fed	<i>Rabi</i> - 2017-18	Bengal gram	JG-11	-	ICM	FYM – 7.5 t/ha, N:P:K 12.5:25:25, Foliar spray 19:19:19 – 2g/l  Trichoderma – 5 g/kg seeds, Rhizobium – 500 g/ha, PSB – 500 g/ha.  Pheromone traps – 10 Nos./ha	10	10	10	15	6	19	

								HaNPV – 300 LE/ha. Bengal gram : Coriander -10:1 Use of Bird perches Dusting of Malathion 5D 20 kg/ha. Emamectin benzoate 5SG – 0.3g/l						
	Cereals													
	Millets													
4		Rain fed	<i>Kharif</i> -2017-18	Finger millet	ML-365	-	Higher yield Resistant to neck blast	1.Introduction of new variety – ML-365 2.Biofertilizers-Azospirillum and PSB, Biopesticide-Trichoderma 3.RDF-50:40:25 NPK/ha	4	4	0	10	4	6
5		Rain fed	<i>Kharif</i> -2017-18	Little millet	Sukshama	-	Higher yield	Use of Biofertilizers-Azospirillum and PSB, Biopesticide-Trichoderma Micronutrients (10 kg ZnSo <sub>4</sub> ) RDF-20:20 NP/ha +FYM-7.5 t/ha	4	4	0	10	3	7
6	Vegetables	Irrigated	Late Kharif	Onion	Bhima Super	-	ICM	Demonstration of Bhima Super Variety for late <i>Kharif</i> Soil test based RDF application and spraying of Arka Vegetable Special Seed treatment with trichoderma Use of Yellow sticky traps for management of Thrips Growing of high stature crops as barriers in all along the crop	4.8	3.2	1	7	2	6
7	Vegetables	Irrigated	Summer	watermelon	-	Kirana	ICM	Balanced application of nutrients (RDF) FYM: 25 t/ha Micronutrients : Foliar spray of Arka	4.8	4.4	2	9	4	5







	and goat													
	Duckery	-	-	-	-	-	-	-	-	-	-	-	-	-
	Common carps	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mussels	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ornamental fishes	-	-	-	-	-	-	-	-	-	-	-	-	-
	Oyster mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-
	Button mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vermicompost	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sericulture	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apiculture	-	-	-	-	-	-	-	-	-	-	-	-	-
	Implements	-	-	-	-	-	-	-	-	-	-	-	-	-
	Others (specify)	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/breed	Hybrid	The matic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
1	Oilseed	Rainfed	Kharif 2017-18	Groundnut	GPB D-4	-	Higher yield	Variety- GPBD-4 Biofertilizers- Rhizobium & PSB , Biopesticide- Trichoderma Use of micronutrients (10 kg ZnSO <sub>4</sub> ) Herbicide : 2.5 kg Alachlor /ha RDF-25:50:25 kg NPK+ 5 t FYM/ha + 500 kg gypsum/ha 19:19:19 fertilizer sprayed at 35 DAS Foliar spray of 0.1% borax at the time flowering	Kharif , 2017-18	M	M	H	Fallow
	Pulses												
2		Rainfed	Kharif - 2017-18	Redgram	BRG-5	-	ICM	Introduction of new variety BRG-5 FYM -7.5 t/ha,	Kharif -	L	L	M	Ragi

								<p>N:P:K 25:50:25, Sulphur- 20 kg, ZnSO<sub>4</sub> –15 kg/ha</p> <p>Trichoderma – 5 g/kg seeds, Rhizobium – 500 g/ha, PSB –500g/ha.</p> <p>Pheromone traps – 10 Nos. / ha , HaNPV – 300 LE/ha.</p> <p>Use of Bird perches</p> <p>Dicofol 18.5EC – 2.5 ml/l, Emamectin benzoate 5 SG – 0.3 g/l</p>					
3		Rainf ed	<i>Rabi</i> - 2017- 18	Bengal gram	JG -11	-	IC M	<p>FYM – 7.5 t /ha, N:P:K 12.5:25:25, Foliar spray 19:19:19 – 2g/l</p> <p>Trichoderma – 5 g/kg seeds, Rhizobium – 500 g/ha, PSB – 500 g/ha.</p> <p>Pheromone traps – 10 Nos./ha HaNPV – 300 LE/ha.</p> <p>Bengal gram : Coriander -10:1</p> <p>Use of Bird perches</p> <p>Dusting of Malathion 5D 20 kg/ha. Emamectin benzoate 5SG – 0.3g/l</p>	<i>Ra bi</i>	M	M	H	Oni on
	Cereals												
4	Millets	Rainf ed	<i>Kharif</i> 2017- 18	Finger millet	M L- 36 5	-	Hi gh er yi el d	<p>1.Introduction of new variety – ML-365 2.Biofertilizers- Azospirillum and PSB, Biopesticide- Trichoderma 3.RDF-50:40:25 NPK/ha</p>	<i>K ha rif</i>	L	M	H	Fall ow
5		Rainf ed	<i>Kharif</i> - 2017- 18	Little millet	Su kes ha ma	-	Hi gh er yi el d	<p>Use of Biofertilizers- Azospirillum and PSB, Biopesticide- Trichoderma Micronutrients (10 kg ZnSo<sub>4</sub> ) RDF-20:20 NP/ha +FYM- 7.5 t/ha</p>	<i>K ha rif</i>	M	M	H	Fin ger mil let

	Vegetables												
6		Irrigated	Late Kharif 2017-18	Onion	Bhima Super	-	ICM	<ul style="list-style-type: none"> <li>• Demonstration of Bhima Super Variety for late <i>Kharif</i></li> <li>• Soil test based RDF application and spraying of Arka Vegetable Special</li> <li>• Seed treatment with trichoderma</li> <li>• Use of Yellow sticky traps for management of Thrips</li> <li>• Growing of high stature crops as barriers in all along the crop</li> </ul>	Late Kharif	L	M	H	Finger millet
7		Irrigated	Summer 2017-18	watermelon	-	Kiran	ICM	<ul style="list-style-type: none"> <li>• Balanced application of nutrients (RDF)</li> <li>• FYM: 25 t/ha</li> <li>• Micronutrients: Foliar spray of Arka Vegetable Special application</li> <li>• Bio-inputs: Soil application of Trichoderma and PSB,</li> <li>• Use of yellow sticky traps for management of vectors</li> </ul>	Summer	M	M	H	Finger millet
	Flowers							•					
8		Irrigated	Kharif 2017-18	Chrysanthemum	Chandanilocal	-	ICM	<ul style="list-style-type: none"> <li>• RDF: 100:600:100 kg/ha FYM-25 t/ha</li> <li>• Micronutrients: ZnSO<sub>4</sub> @ 10 kg/ha and Borax @ 2.5 kg/ha</li> <li>• FYM enrichment with Trichoderma, PSB, Pseudomonas</li> <li>• Methyl parathion 50 E.C. @ 1ml/l and Mancozeb 75 W.P. @ 2g/l.</li> </ul>	Kharif	L	M	H	Onion
	Ornamental	-	-	-	-	-	-	-	-	-	-	-	-
	Fruit												
9		Irrigated	Kharif (2017-18)	Banana	Puttalebale	-	INM	RDF: 540:325:675 kg/ha, for tissue culture and 175:105:220 g per	Kharif	M	M	H	Onion

								tree for suckers method, FYM: 40 tons/ha  Foliar application of micronutrients (Bananan special @ 75 g per 15 litres with lemon and shampoo					
	Spices and condiments	-	-	-	-	-	-	-	-	-	-	-	-
	Commercial	-	-	-	-	-	-	-	-	-	-	-	-
	Medicinal and aromatic	-	-	-	-	-	-	-	-	-	-	-	-
	Fodder												
10		Rainfed	<i>Kharif</i> - 2017-18	Fodder sorghum	C OF S-31	-	Higher yield	Introduction of multicut fodder sorghum Var.COFS-31 for higher green fodder yield	<i>Kharif</i>	L	M	H	Fodder
	Plantation												
11		Irrigated	Khari (2017-18)	Areca nut	Bheemasamudralocal	-	ICM	FYM – 20 kg/plant, N:P:K 100:40:140, MgSO <sub>4</sub> 100 g/plant • <i>Trichoderma viridae</i> - 50 g/plant • Dimethoate 30 EC 2.5 ml/l, Dicofol 18.5 EC-1.7 ml/l, Copper oxy chloride 75 WP – 3 g/l Phorate 10G – 5 g/plant	<i>Kharif</i>	M	M	M	Areca nut
12		Irrigated	Khari (2017-18)	Coconut	Tiptural	-	ICM	FYM – 50 kg/plant, N:P:K 500:320:1200, MgSO <sub>4</sub> 500 g/plant  <i>Trichoderma viridae</i> - 50 g/plant  RPW Pheromone trap – 1/acre Hexaconazole 5 EC -3 ml/tree	<i>Kharif</i>	L	M	M	Coconut

											(Root feeding), Mancozeb 75 WP – 2 g/l							
	Fibre	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

## 5.B. Results of FLDs

### 5.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demon.	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
							Demo			Check		Gross Cost	Gross Return	Net Return	** B C R	Gross Cost	Gross Return	Net Return	** B C R
							H	L	A										
Oilseeds	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Integrated crop management in groundnut	GPB D-4	-	Semi irrigated	10	4	10.5	12.9	11.7	9.7	20.62	23787	48170	24383	2.02	21021	39961	18940	1.90
Pulses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	ICM in Redgram (NFSM)	BRG-5	-	Rain fed	25	10	10.67	8.67	9.68	7.92	22.2	18781	40639	21859	2.17	17251	33281	16029	1.93
	ICM in Bengalgram (NFSM)	JG-11	-	Rain fed	25	10	8.7	7.9	8.35	6.58	27.13	15450	36749	21299	2.38	14684	28934	14251	1.97
Cereals	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Integrated crop management in Finger millet	ML-365	-	Rain fed	10	4	12.1	13.9	13.0	10.5	23.8	16155	33821	17666	2.09	14978	27425	12447	1.83
	Integrated crop management in Little millet	Sukeshama	-	Rain fed	10	4	6.10	6.44	6.27	5.10	22.9	9795	21945	12150	2.24	8720	17850	9130	2.05
Vegetables	Integrated crop management in onion for higher bulb yield	Bhima Super	-	Irrigated	8	3.2	337.50	289.00	309.50	242.30	27.73	92500	464269	371769	5.02	77500	363488	285988	4.69
	Integrated crop management in watermelon	-	Kiran	Irrigated	11	4.4	488.2	401.5	436.5	366.8	19.00	112500	436500	324000	3.89	109500	366791	257291	3.34
Flowers	Integrated crop management in chrysanthemum	Chandani Local	-	Irrigated	10	4	82.1	77.6	80.3	66.1	21.48	250080	1003500	753420	4.01	244300	826250	581950	3.38

Orna menta l	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fruit																			
	Integrated Nutrient managem ent in Banana	Putta bale	-	Irrig ated	10	4	On going												
Spices and condi ments	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Com merci al	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fibre crops like cotton	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medic inal and aroma tic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fodde r	Introduc tion of multicut fodder sorghum Var.COFS -31 for higher green fodder yield	COFS -31	-	R a i n f e d	1 0	2	78 3	84 5	81 4	62 3	-	130 68	284 74	154 05	2. 18	112 40	218 07	105 67	1. 94
Planta tion																			
	Integrated crop managem ent in arecanut	Bhee masa mudra local	-	Irrig ated	10	4	19. 79	10. 0	13. 25	10. 56	25.2	110 810	437 316	326 506	3. 98	104 860	348 480	243 620	3. 37
	Integrated crop managem ent in coconut	Tiptur tall	-	Irrig ated	10	4	11 68 5 No	93 48 No	10 70 1 No	84 87 No.	26.5 6	421 80	128 412	862 32	3. 06	396 60	763 83	367 23	1. 93
Fibre																			
Other s (pl.sp ecify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

\* 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 – Highest Yield, L – Lowest Yield A – Average Yield

**Data on additional parameters other than yield (viz., reduction of percentage in weed/pest/diseases etc.)**

Data on other parameters in relation to technology demonstrated			
Parameter with unit	Demo	Check	
Finger millet	1.Ear length (cm) 2. Tillers /plant 3. Neck blast (%)	8.0 5 5.1 13.4	6.6 3 13.4
Little millet	1.Ear length 2. Plant height (cm)	15.8 68.0	14.1 61.6
Groundnut	1.No. of branches 2. No. of pods/plant 3. 100 seed wt (g) 4. Rust (1-9 scale)	10 29 23.2 3.6	7 24 20.4 6.8
Redgram	1. No. of pods/plant 2. 100 seed wt (g) 3. Sterility mosaic (%)	206 9.62 0	187 8.12 28.27
Bengal gram	1. No. of pods/plant 2. 100 seed wt (g) 3. Pod borer (%)	86 21.1 2.82	69 19.7 5.18
Fodder sorghum	1. Per cent palatability	88.9	81.4
ICM onion for higher bulb yield	a) Days to harvest (days) b) Bulb Size and color (Visual observation)	130-135 Big and Pinkish red	115-120 Big and Red
ICM in watermelon	a) Vine length (cm) b) Incidence of fruit splitting (%) c) WBNV incidence (%)	210.4 1.33 16.34	173.4 2.57 19.21
ICM chrysanthemum	a) Plant height (cm) b) Deformed flower (%)	75.9 2.12	67.2 4.35
Arecanut-	1. No. of Mites/2 sq.cm 2. No. of Spindle bug /plant 3.No. of nuts /bunch	66.7 2.13 226	339.2 9.36 159
Coconut –	1. Mites damage index 2. Wilt disease index	2.35 16.49	3.43 28.24

**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)			Check if any	% Increase	*Economics of demonstration Rs./unit)				*Economics of check (Rs./unit)			
					Demo					Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Dairy	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbitry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Pigerry	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep and goat	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Duckery	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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

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

Data on other parameters in relation to technology demonstrated		
Parameter with unit	Demo	Check if any
-	-	-
-	-	-
-	-	-



## 5.B.3. Fisheries

Type of Breed	Name of the technology demonstrated	Breed	No. of Demo	Unit s/ Area (m <sup>2</sup> )	Yield (q/ha)			% Increase	*Economics of demonstration Rs./unit) or (Rs./m <sup>2</sup> )				*Economics of check Rs./unit) or (Rs./m <sup>2</sup> )				
					Demo				Check if any	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	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	Check if any
-	-	-
-	-	-
-	-	-

## 5.B.4. Other enterprises

Enterprise	Name of the technology demonstrated	Variety/species	No. of Demo	Unit s/ Area {m <sup>2</sup> }	Yield			% Increase	*Economics of demonstration (Rs./unit) or (Rs./m <sup>2</sup> )				*Economics of check (Rs./unit) or (Rs./m <sup>2</sup> )				
					Demo				Check if any	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Oyster mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Button mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermicompost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)																	
Vale addition	Vale addition, branding and market linkage	-	2 SHG	-	-	-	-	-	82	250	168	3.05	12	35	23	2.91	

\* 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





























<b>12</b>	<b>Agricultural Extension</b>	0	0	0	0	0	0	0	0	0	0
12.a.	Capacity Building and Group Dynamics	1	0	48	48	0	29	29	0	77	77
12.b.	Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
	<b>Total</b>	<b>2</b>	<b>15</b>	<b>48</b>	<b>63</b>	<b>15</b>	<b>29</b>	<b>44</b>	<b>30</b>	<b>77</b>	<b>107</b>

#### Details of sponsoring agencies involved

1. Government of Karnataka
2. National institute of public cooperation and Child department (NIPCCD)

#### 7.H. Details of Vocational Training Programmes carried out by KVKs for rural youth

S.No	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>1</b>	<b>Crop production and management</b>	0	0	0	0	0	0	0	0	0	0
1.a.	Commercial floriculture	0	0	0	0	0	0	0	0	0	0
1.b.	Commercial fruit production	0	0	0	0	0	0	0	0	0	0
1.c.	Commercial vegetable production	0	0	0	0	0	0	0	0	0	0
1.d.	Integrated crop management	0	0	0	0	0	0	0	0	0	0
1.e.	Organic farming	0	0	0	0	0	0	0	0	0	0
1.f.	Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
<b>2</b>	<b>Post harvest technology and value addition</b>	0	0	0	0	0	0	0	0	0	0
2.a.	Value addition	3	0	30	30	0	15	15	0	45	45
2.b.	Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
<b>3</b>	<b>Livestock and fisheries</b>	0	0	0	0	0	0	0	0	0	0
3.a.	Dairy farming	0	0	0	0	0	0	0	0	0	0
3.b.	Composite fish culture	0	0	0	0	0	0	0	0	0	0
3.c.	Sheep and goat rearing	0	0	0	0	0	0	0	0	0	0
3.d.	Piggery	0	0	0	0	0	0	0	0	0	0
3.e.	Poultry farming	0	0	0	0	0	0	0	0	0	0
3.f.	Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
<b>4</b>	<b>Income generation activities</b>	0	0	0	0	0	0	0	0	0	0
4.a.	Vermi-composting	0	0	0	0	0	0	0	0	0	0
4.b.	Production of bio-agents, bio-pesticides, bio-fertilizers etc.	0	0	0	0	0	0	0	0	0	0
4.c.	Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0
4.d.	Rural Crafts	0	0	0	0	0	0	0	0	0	0
4.e.	Seed production	0	0	0	0	0	0	0	0	0	0
4.f.	Sericulture	0	0	0	0	0	0	0	0	0	0
4.g.	Mushroom cultivation	0	0	0	0	0	0	0	0	0	0
4.h.	Nursery, grafting etc.	1	12	1	13	11	4	15	23	5	28
4.i.	Tailoring, stitching, embroidery, dying etc.	0	0	0	0	0	0	0	0	0	0
4.j.	Agril. para-workers, para-vet training	0	0	0	0	0	0	0	0	0	0
4.k.	Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
<b>5</b>	<b>Agricultural Extension</b>	0	0	0	0	0	0	0	0	0	0
5.a.	Capacity building and group dynamics	0	0	0	0	0	0	0	0	0	0
5.b.	Others (pl.specify)	0	0	0	0	0	0	0	0	0	0
	<b>Grand Total</b>	<b>4</b>	<b>12</b>	<b>31</b>	<b>43</b>	<b>11</b>	<b>19</b>	<b>30</b>	<b>23</b>	<b>50</b>	<b>73</b>

**PART VIII – EXTENSION ACTIVITIES****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	12	779	156	934	467	109	576	31	16	47
Kisan Mela	11	965	193	1158	579	135	714	39	19	58
Kisan Ghosthi	0	0	0	0	0	0	0	0	0	0
Exhibition	13	80550	16110	96660	48330	11277	59607	3222	1611	4833
Film Show	24	430	86	515	258	60	318	17	9	26
Method Demonstrations	18	276	55	331	165	39	204	11	6	17
Farmers Seminar	0	0	0	0	0	0	0	0	0	0
Workshop	0	0	0	0	0	0	0	0	0	0
Group meetings	31	130	26	155	78	18	96	5	3	8
Lectures delivered as resource persons	35	1119	224	1343	671	157	828	45	22	67
Newspaper coverage	32	0	0	0	0	0	0	0	0	0
Radio talks	12	0	0	0	0	0	0	0	0	0
TV talks	4	0	0	0	0	0	0	0	0	0
Popular articles	8	0	0	0	0	0	0	0	0	0
Extension Literature	7	0	0	0	0	0	0	0	0	0
Advisory Services	81	1886	377	2263	1132	264	1396	75	38	113
Scientific visit to farmers field	151	218	44	261	131	30	161	9	4	13
Farmers visit to KVK	81	1886	377	2263	1132	264	1396	75	38	113
Diagnostic visits	11	29	6	35	17	4	22	1	1	2
Exposure visits	9	111	22	133	67	16	82	4	2	7
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0
Soil health Camp										
Animal Health Camp	0	0	0	0	0	0	0	0	0	0
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	0	0	0	0	0	0	0	0	0	0
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	0	0	0	0	0	0	0	0	0	0
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0
Celebration of important days (specify)	14	1017	203	1220	610	142	752	41	20	61
Any Other (Specify)										
Krishimela	6	413481	82696	496177	248088	57887	305976	16539	8270	24809
Telephone consultation to farmers	3085	1543	309	1851	926	216	1141	62	31	93
<b>Total</b>	<b>3645</b>	<b>415024</b>	<b>83005</b>	<b>498028</b>	<b>249014</b>	<b>58103</b>	<b>307117</b>	<b>16601</b>	<b>8301</b>	<b>24902</b>



**PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIALS****9.A. Production of seeds by the KVKs**

Crop category	Name of the crop	Name of the Variety	Name of the Hybrid	Quantity of seed (q)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)	Foxtail millet	SIA-2644	-	5.5	16550	55
Oilseeds	-	-	-	-	-	-
Pulses	Redgram	BSMR-736	-	3.5	10500	-
	Greengram	KKM-3	-	2.2	8800	-
Commercial crops	-	-	-	-	-	-
Vegetables	Onion	Arka Kalyan & Bhima Super	-	25	-	-
Flower crops	-	-	-	-	-	-
Spices	-	-	-	-	-	-
Fodder crop seeds	Fodder Sorghum	CoFS-29, 31	-	1.2	96000	110
Fiber crops	-	-	-	-	-	-
Forest Species	Teak	-	-	-	-	-
Others (specify)	Mango(produce )	Alphanso	Mallika	5	15000	-
<b>Total</b>					<b>146850</b>	<b>165</b>

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

Crop category	Name of the crop	Variety	Hybrid	Number	Value (Rs.)	Number of farmers to whom provided
Commercial	-	-	-	-	-	-
Vegetable seedlings	-	-	-	-	-	-
Fruits	-	-	-	-	-	-
Ornamental plants	-	-	-	-	-	-
Medicinal and Aromatic	-	-	-	-	-	-
Plantation	-	-	-	-	-	-
Spices	-	-	-	-	-	-
Tuber	-	-	-	-	-	-
Fodder crop saplings	-	-	-	-	-	-
Forest Species	-	-	-	-	-	-
Others(specify)	-	-	-	-	-	-
<b>Total</b>	-	-	-	-	-	-

**9.C. Production of Bio-Products**

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	Number of farmers to whom provided
Bio Fertilizers				
Bio-pesticide	Trichoderma	195	29100	26
	Pseudomonas	229	19500	25
Bio-fungicide	-	0	0	0
Bio Agents	-	0	0	0
Others (specify)	-	0	0	0
<b>Total</b>		<b>424</b>	<b>48600</b>	<b>51</b>

#### 9.D. Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
<b>Dairy animals</b>				
Cows	-	-	-	-
Buffaloes	-	-	-	-
Calves	-	-	-	-
Others (Pl. specify)	-	-	-	-
<b>Poultry</b>				
Broilers	-	-	-	-
Layers	-	-	-	-
Duals (broiler and layer)	-	-	-	-
Japanese Quail	-	-	-	-
Turkey	-	-	-	-
Emu	-	-	-	-
Ducks	-	-	-	-
Others (Pl. specify)	-	-	-	-
<b>Piggery</b>				
Piglet	-	-	-	-
Others (Pl. specify)	-	-	-	-
<b>Fisheries</b>				
Fingerlings	-	-	-	-
Others (Pl. specify)	-	-	-	-
<b>Total</b>	-	-	-	-

### PART X – PUBLICATION, SUCCESS STORY, SWTL, TECHNOLOGY WEEK AND DROUGHT MITIGATION

#### 10. A. Literature Developed/Published (with full title, author & reference)

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.)

(B) Literature developed/published

Item	Title	Authors name	Number
Research papers	Extension Strategies for Improving Productivity of Groundnut in Central Dry Zone of Karnataka	Rudragouda F Channagouda, Sarvajna B. Salimath, Prakash kerure, Gajendra t. H, Onkarappa S. Bindu B.M. And T H. Gowda, 2017,	1
Technical reports			
News letters			
Technical bulletins	Onion Seed production for self reliance & higher returns	Prakash Kerure, Rudragoud F Channagouda, and S. Onkarappa	-
Popular articles	Improved Agronomic practices for groundnut production. Vijayakarnataka	Rudragoud F Channagouda, S.B Salimath, Prakash Kerure and S. Onkarappa	1
Extension literature	Improved production practices in groundnut	T.H.Gowda, Rudragoud F Channagouda, kumar Naik, Chandur Vanshi, Hanumanth Naik	500
	Improved production practices in Safflower	T.H.Gowda, Rudragoud F Channagouda, S Onkarappa and Prakash Kerure	500
	Improved production practices in Onion	Prakash Kerure, Rudragoud F Channagouda, and S. Onkarappa	500
	Improved production practices in Watermelon	Prakash Kerure, Rudragoud F Channagouda, and S. Onkarappa	500
	Improved production practices in Jamun	Prakash Kerure, Rudragoud F Channagouda, and S. Onkarappa	500
Others (Pl. specify)			
<b>TOTAL</b>			<b>2501</b>

**10.B. Details of Electronic Media Produced**

S. No.	Type of media (CD / VCD / DVD/ Audio-Cassette)	Title of the programme	Number
1	CD	IFS module	2

**10.C. Success Stories / Case studies, if any (two or three pages write-up on each case with suitable action photographs. The Success Stories / Case Studies need not be restricted to the reporting period).****Title : Introduction of multicut fodder sorghum var. COFS-31 at Chitradurga district for higher income**

**Background** Chitradurga district come under central dry zone of Karnataka and receives less and uneven distribution rainfall throughout the year. In this region, dairy is one of the important alternative components for economic security of the farmers. Total live stock population of Chitradurga are 18,47,000 (341000 cattle, 193000 buffalo, 369000 goat and 931000 sheep's, respectively). During the last few years, farmers of Chitradurga suffering from the frequent drought seasons which had a large negative impact on dairy farmers. This is severely threatening the availability of fodder for the dairy animals and leads to shortage of 8 Mt fodder. The problem analysis revealed that the lower yields in this region mainly due to lack of technical knowledge on use of drought resistant, high palatability and fodder yielding varieties, fodder production technology, farmers grown fodder crops on marginal land and rainfed situation. Thus front line demonstrations, method demonstration, trainings, news paper and radio were planned to create awareness about the technology and improve the yields of fodder in the district. The introduction of new variety COFS-31, combined use of organic manures, biofertilizers, macro and micronutrient would go a long way in maximizing fodder production per unit area.

In this background, we have planned to conduct the large scale demonstrations on Introduction multicut fodder Sorghum variety COFS -31 for higher yield in Chitradurga district.

**Interventions and Process****SWOT Analysis:**

The effective implantation of programme needs to assess the following strength, weakness, opportunity and threats in fodder production activity.

Strength	Weakness	Opportunity	Threats
<ul style="list-style-type: none"> <li>Dairy is one of the important alternative components next to agriculture for economic security of the farmers.</li> </ul>	<ul style="list-style-type: none"> <li>Low productivity due to local varieties</li> <li>Lack of knowledge on fodder production</li> </ul>	<ul style="list-style-type: none"> <li>Lot of scope for high palatable fodder production</li> <li>Dairy is one important component of the district</li> </ul>	<ul style="list-style-type: none"> <li>Labour shortage</li> <li>Scarcity of water</li> <li>Land requirement</li> </ul>

**Technology and activity details**

- Identification of farmers, arranged training programme/capacity building for fodder production and identification of technological gap
- Introduction of multi cut fodder sorghum variety COFS-31,

Based on the constraints faced by the farmers and problems identified by KVK, it was planned to improved fodder productivity through front line demonstrations in 10 farmer's fields. trainings and organise field days for wider dissemination of the technology

**Technology:ICM practices followed in demonstration****Preparation of land:**

COFS-31 requires a good seed bed with fine tilth of soil for better germination. Preparation of land usually consists of ploughing from three to six times, depending on the type of ploughs used which vary in different parts of the states. The clods are to be broken by harrowing.

**Seed rate:5-6 kg/ha**

A seed of this variety is very small. Hence seeds were mix with fine sand or compost and sown with spacing of 45 cm from row to row and 10 cm between the seeds.

### Seed Treatment

Use of certified seeds Treat the seeds with with *Azospirillum* (500 g) and phosphate solubilising bacteria (500 g) per ha will increase yield by 10-15 per cent.

### Manures and Fertilizers:

Apply 7.5 t/ha of well decomposed farmyard manure or compost at least 2-3 weeks before sowing and incorporate in the soil. Apply 100 kg nitrogen, 50 kg P<sub>2</sub>O<sub>5</sub> and 20 kg K<sub>2</sub>O per hectare. Half dose of nitrogen and total amount of phosphorus and potash should be applied at the time of sowing. Top dressing 25 kg nitrogen of two cutting and reaming 25 kg of nitrogen after fourth cutting.

- The technologies was shared to farmers through field day, radio programme, bi-monthly, krishi meal and news paper coverage *etc.*,
- Comparison of two fodder varieties i.e. fodder sorghum var. COFS-31 and Napier hybrid bajra CO-3



### Impact and Economic gains

Among the two fodder varieties, fodder sorghum variety COFS-31 produced higher green fodder yield (81.4 t/ha) over Napier hybrid bajra (62.3 t/ha) which is higher by 30.7 per cent. The higher palatability per cent was recorded in COFS -31 (88.9 %) over Napier hybrid bajra (81.4 %) with tune of 9.2 per cent. The income before and after adaption of this technology were Rs. 10567 /ha and 15405 respectively. The impact indicator of this technology was Rs. 4838 /ha. The total income generated from this technology was Rs. 38,70,400

### Horizontal Spread :

The area under fodder sorghum variety COFS-31 increased from 1 ha to 80 ha and it is alternate crop for fodder Napier hybrid bajra CO-3. During the first year, only five farmers were grown the new fodder sorghum variety COFS-31 variety. After the continuous efforts, enthusiasm and dedication of KVK scientists it spread around 800 farmers of the district with tune of 12.8 per cent adoption in the district within two years.

**Employment Generation :** Around 800 farmers of the district are involved in this activities

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

Nil

### 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. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Papaya	Use of waste plastic bottles to protect papaya plants	Plastic bottles are used to protect papaya seedlings from rats



**10.F. Indicate the specific training need analysis tools/methodology followed for**

- Identification of courses for farmers/farm women: PRA tools: Problem tree and transect
- Rural Youth- PRA tools
- In service personnel - Problem tree

**10.G. Field activities**

- i. Number of villages adopted : 1
- ii. No. of farm families selected: 124
- iii. No. of survey/PRA conducted: 4

**10.H. Activities of Soil and Water Testing Laboratory**

1. Status of establishment of Lab : **Established**
2. Year of establishment : **January 2006**
3. List of equipments purchased with amount:

Sl. No	Name of the Equipment	Qty.	Cost
1	P.H. meter (supplied by SPO UAHS)	1	31624
2	Shaker Reciprocating Type 1 no (supplied by SPO UAHS)	1	62540
3	Digital Spectrophotometer	1	470230
4	E C Meter (supplied by SPO UAHS)	1	68145
5	Water Distillation unit (supplied by SPO UAHS)	1	162241
6	All controller based flame photometer with compressor (supplied by SPO UAHS)	1	69054
7	Analytical balance(supplied by SPO UAHS)	1	87999
<b>Total</b>		<b>1</b>	<b>9,51,833</b>

**Details of samples analyzed so far since establishment of SWTL:**

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
<b>Soil Samples</b>	15439	13598	9094	589090
<b>Water Samples</b>	14145	12903	8633	1068360
<b>Plant samples</b>	0	0	0	0
<b>Manure samples</b>	0	0	0	0
<b>Others (specify)</b>	0	0	0	0
<b>Total</b>	<b>29584</b>	<b>26501</b>	<b>17727</b>	<b>1657450</b>

**Details of samples analyzed during the 2017-18:**

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
<b>Soil Samples</b>	1360	1246	1120	66500
<b>Water Samples</b>	1299	1222	1122	111000
<b>Plant samples</b>	0	0	0	0
<b>Manure samples</b>	0	0	0	0
<b>Others (specify)</b>	0	0	0	0
<b>Total</b>	<b>2659</b>	<b>2468</b>	<b>2242</b>	<b>177500</b>

**Details of soil health cards issued during the 2017-18 :**

Date (s)	Farmers participated	No. of Samples analyzed	Soil health cards issued	No. of Villages	Public representatives participated	
					MLA/Minister	Other Dignitaries/ Chief guests
5-12-2017	236	1360	50	1	Mr. Thippa Reddy, MLA , Chitradurga	*Smt.V.V Jyotsna, Deputy Commissioner *Smt. Sowbhagya Basavarajan, President Zilla Panchayat *Mr. Ravindra P.N, CEO Zilla Panchayat *Mr. Krishnamurthy, President, Agriculture and Industry Sthai Semethi, Zilla Panchayat

**10.I. Technology Week celebration during 2017-18 : Yes**

Period of observing Technology Week: From 17-01-2018 to 22-01-2018

Total number of farmers visited :368

Total number of agencies involved : 1

Number of demonstrations visited by the farmers within KVK campus : 7

**Other Details**

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies	-	368	
Lectures organized	12		<b>Crop &amp; livestock technology</b>
Exhibition	1		Crop & Bio Product
Film show	4		Agri & horticultural crops , Bee keeping ,IFS
Fair	-		
Farm Visit	3		IFS plots
Diagnostic Practicals	-		
Supply of Literature (No.)	4		Organic farming , Greengram , bio fertilizers and soil health
Supply of Seed (q)	-		
Supply of Planting materials (No.)	-		
Bio Product supply (Kg)	-		
Bio Fertilizers (q)	-		
Supply of fingerlings	-		
Supply of Livestock specimen (No.)	-		
Total number of farmers visited the technology week		<b>368</b>	

**10. J. Interventions on drought mitigation (if the KVK included in this special programme)**

**A. Introduction of alternate crops/varieties**

State	Crops/cultivars	Area (ha)	Number of beneficiaries
-	-	-	-

**B. Major area coverage under alternate crops/varieties**

Crops	Area (ha)	Number of beneficiaries
Oilseeds	-	-
Pulses	-	-
Cereals	-	-
Vegetable crops	-	-
Tuber crops	-	-
<b>Total</b>	-	-

**C. Farmers-scientists interaction on livestock management**

State	Livestock components	Number of interactions	No.of participants
-	-	-	-

## D. Animal health camps organized

State	Number of camps	No.of animals	No.of farmers
-	-	-	-

## E. Seed distribution in drought hit states

State	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
-	-	-	-	-

## F. Large scale adoption of resource conservation technologies

State	Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
-	-	-	-

## G. Awareness campaign

State	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers
-	-	-	-	-	-	-	-	-	-	-	-	-

**PART XI. IMPACT****11.A. Impact of KVK activities (Not restricted for reporting period).**

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./ha)	After (Rs./ha)
New varieties BRG-5 BSMR-736	30	18	15200	27035
Seed Treatment & Seed production of finger millet variety ML-365	1500	38	12447	17666
Quality seeds Seed treated with pesticides, bio fertilizers. Gypsum and boron application in Groundnut	10000	35	18940	24383
Introduction of new variety COFS-31	1000	28	10567	15405
Introduction of Bhima super variety	150	14	285988	371769
Application of Bio- inputs in Pomegranate	1200	30	442400	579580
INM in Banana	600	45	214795	368456

NB:Should be based on actual study, questionnaire/group discussion etc. with ex-participants.

**11.B. Cases of large scale adoption**

(Please furnish detailed information for each case with suitable photographs)

Nil

**11.C. Details of impact analysis of KVK activities carried out during the reporting period**

Village Name	Taluk Name	Skill Transfer	Adoption (%)	Impact Before	Impact After	Measures Taken
Shidalinakote	Hiriyur	New varieties BRG-5 BSMR-736	18	Existing varieties are susceptible to sterility mosaic and wilt diseases	Higher yield and availability of quality seed materials	The technologies was shared in field day , radio programme,bi-monthly, Krishi meal and news paper
Baramasagar	Challakere	Seed Treatment & Seed production of finger millet variety ML-365	38	Existing varieties are susceptible to drought & neck blast disease	Availability of quality seed material of finger millet variety ML-365	The technologies was shared in field day , bi-monthly , Krishi meal, radio programme and news paper

Village Name	Taluk Name	Skill Transfer	Adoption (%)	Impact Before	Impact After	Measures Taken
Bommanakunte	Challakere	Production Technology	35	Improper plant population Non availability of quality seeds Imbalance nutrient management	Quality seeds Seed treated with pesticides, bio fertilizers. Gypsum and boron application	Shared technology in field day , krishi mela , Bi-monthly Meeting, radio programme and news paper
Rangenahalli, Shidalinakote	Hiriyur	COFS-31 fodder variety	28	Non availability quality fodder Imbalanced nutrition	Availability of quality seed materials, higher yield, palatability and milk yield	Technology was shared in Field Day , Bi-monthly, meeting Krishi mela, radio programme and news paper
Kaparahalli	Challakere	Introduction of Bhima Super variety	5	Cultivation of local variety Satara Gurva	Availability of quality seeds	Technology was shared in Field Day , Bi-monthly, meeting Krishi mela, radio programme and news paper
Hosakundur	Hosdurga	Seed production in Onion( Arka Kalyan )	12	Seed production of local variety	Availability of quality seeds	Technology was shared in Field Day , Bi-monthly, meeting Krishi mela, radio programme and news paper
Maddihalli	Hiriyur	Management of wilt in pomegranate	27	Indiscriminate drenching of fungicides	Availability of bio-inputs	Technology was shared in Field Day ,FFS, Bi-monthly, meeting Krishi mela, radio programme and news paper

## PART XII - LINKAGES

### 12.A. Functional linkage with different organizations

Name of organization	Nature of linkage
Department of Agriculture, Chitradurga	<ul style="list-style-type: none"> <li>Extension activities(conducting <i>Kharif</i> Campaigns , seminars, workshops) , Large scale demonstration , Agri. Inputs .</li> <li>Transfer of technologies through extension functionaries for large scale adoption</li> </ul>
Department of Horticulture, Chitradurga	<ul style="list-style-type: none"> <li>Extension activities(conducting <i>Kharif</i> Campaigns , seminars, workshops) , Large scale demonstration , Horti. inputs.</li> <li>Transfer of technologies through extension functionaries for large scale adoption</li> </ul>
AIR Chitradurga	<ul style="list-style-type: none"> <li>Dissemination of technology through radio programmes , farm advisories, forecast</li> </ul>
Karnataka Agriculture price commission	<ul style="list-style-type: none"> <li>Pilot project on enhancement of farmers income through IFS approach</li> </ul>
NABARD	<ul style="list-style-type: none"> <li>Technologies transferred to FPO's of Chitradurga (Coconut and onion)</li> </ul>
Animal Husbandry	<ul style="list-style-type: none"> <li>Conducting animal health camp and trainings</li> </ul>
Department of forestry	<ul style="list-style-type: none"> <li>Awareness trainings and Vanamahostava</li> </ul>

NB The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other

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

Sl.No.	Project Title	Date/ Month of initiation	Funding agency	Amount (Rs.)
1.	Enhancing Farmers Income & welfare Programme (KAPC)	2017-18	GoK	15,00,000
2.	Value Addition Of Food Crops (Agri/Horti)	2017-18	GoK	2,50,000
3.	Demonstration on Management of the Pest and Diseases in Pomegranate through ICM	2017-18	GoK	10,00,000
4.	Participatory Seed Production activity in Onion	2017-18	GoK	50,0000
5.	National Horticultural Mission	2017-18	GoK	65,266



6.	Experiment on testing of chemical WCPL-240 on Groundnut pests for two seasons	2017-18	GoK	69,777
7.	Integrated Farming System Demonstration	2017-18	GoK	12,00,000
8.	Diploma in Agricultural Extension Services for Input Dealers(DAESI)	2017-18	GoK	4,00,000
9.	Large scale demonstration on Fodder Crops	2017-18	GoK	3,00,000
10.	Conducting progressive farmers to farmer training	2017-18	GoK	15,00,000
11.	NMOOP	2017-18	ICAR	17,0000
12.	National Food Security Mission (NFSM)	2017-18	ICAR	1,50,000
13.	Large scale demonstration on Safflower	2017-18	UAHS	3,50,000
14.	Health survey project (NABARD)	2017-18	-	-

### 12.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?

Jointly have prepared the SREP of the district

### Coordination activities between KVK and ATMA

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	Meetings	Water management , Water shed programme , FPO, Vision 2020, SREP, Soil health day , M- Kissan , Best farmer selection (state & district )	10	-	-
02	Research projects	-	-	-	-
03	Training programmes	IPM of pink bollworm , Soil health , alternative cropping system	3	-	-
04	Demonstrations	Seed treatment , enriched compost	2		
05	Extension Programmes	-	-	-	-
	Kisan Mela	-	-	-	-
	Technology Week	-	-	-	-
	Exposure visit	Scintist visited to progressive farmers field – Bangalore rural , Kolar, Shidlagatta, Tumkur , Hassan dist.	22	-	-
	Exhibition	Soil Health day	1	-	-
	Soil health camps	-	-	-	-
	Animal Health Campaigns	-	-	-	-
	Others (Pl. specify)	-	-	-	-
06	Publications	-	-	-	-
	Video Films	-	-	-	-
	Books	-	-	-	-
	Extension Literature	-	-	-	-
	Pamphlets	-	-	-	-

	Others (Pl. specify)	-	-	-	-
<b>07</b>	<b>Other Activities</b> (Pl. specify)	-	-	-	-
	Watershed approach	Watershed programme	1	-	-
	Integrated Farm Development	IFS approach	8	-	-
	Agri-preneurs development	-	-	-	-

**12.D. Give details of programmes implemented under National Horticultural Mission**

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

**12.E. Nature of linkage with National Fisheries Development Board**

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

**12.F. Details of linkage with RKVY**

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

**12. GKisan Mobile Advisory Services**

Month	Message type (Text/Voice)	SMS/voice calls sent (No.)						Total SMS/Voice calls sent (No.)	Farmers (No.)
		Crop	Livestock	Weather	Marketing	Awareness	Other enterprises		
April 2017	Text	0	0	1	0	0	0	1	11240
May	Text	0	0	0	0	0	1	1	11240
June	Text	1	0	0	0	0	0	1	11240
July	Text	1	0	1	0	0	0	2	11240
August	Text	4	0	0	0	0	0	4	11240
September	Text	1	0	0	0	0	0	1	11240
October	Text	0	0	0	0	0	0	0	11240
November	Text	2	0	0	0	0	0	2	11240
December	Text	2	0	0	0	0	0	2	11240
January 2018	Text	1	0	0	0	0	0	1	11240
February	Text	3	0	0	0	0	0	3	11240
March	Text	2	0	0	0	0	0	2	11240
<b>Total</b>		<b>17</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>20</b>	<b>11240</b>

**PART XIII- PERFORMANCE OF INFRASTRUCTURE IN KVK**

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

Sl. No.	Demo Unit	Year of establishment	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	
1	IFS	2015-16	1	-	-	-	-	-	-
2	Vermi compost	2017-18	-	-	-	-	2000	-	-

**13.B. 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.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Foxtail millet	30-5-2017	17-10-2017	2	SIA-2644	Bulk	5.5 q	2000	13750	-
Pulses									
Green gram	1-6-2017	20-7-2017	2	KKM-3	Bulk	2.2 q	1500	9900	-
Red gram	29-5-2017	27-1-2018	0.8	BSMR-736	Bulk	3.2 q	1000	14400	-
Oilseeds	-	-	-	-	-	-	-	-	-
Fibers	-	-	-	-	-	-	-	-	-
Spices & Plantation crops									
Floriculture	-	-	-	-	-	-	-	-	-
Fruits	-	-	-	-	-	-	-	-	-
Mango	30-5-2000	30-5-2018	0.4	Millika & alphanso	Bulk	2q	750	4000	-
Vegetables	-	-	-	-	-	-	-	-	-
Others (specify)									
Fodder	20-6-2016	-	0.2	COFS-29 & 31	Bulk	125 kg	3200	100000	-

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

Sl. No.	Name of the Product	Qty(kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1	Trichoderma	195	13000	29100	-
2	Pseudomonas	229	8000	19500	-

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
-	-	-	-	-	-	-	-

**13.E. Utilization of hostel facilities**

Accommodation available (No. of beds): 30

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
April 2017	-	-	-
May	-	-	-
June	-	-	-
July	-	-	-
August	-	-	-
September	-	-	-
October	-	-	-
November	-	-	-
December	30 nos	3 days	
January 2018	-	-	-
February	30 nos	3 days	
March	-	-	-

**13.F. Database management**

S. No	Database target	Database created
1	Farmers database	Created
2	SMS farmers database	Created
3	Soil and water testing	Created
4	Crop wise farmers	Created
5	Soil water analysis data	Created

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

Amount sanctioned (Rs.)	Expenditure (Rs.)	Details of infrastructure created / micro irrigation system etc.	Activities conducted					Quantity of water harvested in '000 litres	Area irrigated / utilization pattern
			No. of Trainings	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		
Nil	Nil	Farm pond Drip & sprinkler	3	-	-	173	45	968	0.4 ha

**PART XIV - FINANCIAL PERFORMANCE**

## 14.A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute (General)	Canara Bank	Hiriyur	0867	Senior Scientist & Head	0867101024602	572015302	CNRB0000867
With KVK (RF)	Canara Bank	Hiriyur	0867	Senior Scientist & Head	0867101024962	572015302	CNRB0000867

## 14.B. Utilization of KVK funds during the year 2017-2018 (Rs. in lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
<b>A. Recurring Contingencies</b>				
1	<b>Pay &amp; Allowances</b>	60.45	75.77	63.93
2	<b>Traveling allowances</b>	1.20	1.20	1.38
3	<b>Contingencies</b>			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	5.20	5.20	4.55
B	POL, repair of vehicles, tractor and equipments	3.50	3.50	3.45
C	Meals/refreshment for trainees (ceiling upto Rs.150/day/trainee be maintained)	0.67	0.67	0.62
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.35	0.50	0.49
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	1.70	2.45	2.02
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.30	0.50	0.38
G	Integrated Farming System (IFS) Min. 5 units	0.45	0.45	0.35
H	Training of extension functionaries	-	-	-
I	Extension Activities including world soil health day	1.10	1.10	1.07
J	Farmers Field School	0.30	0.30	0.29
K	EDP (1 no) / Innovative activities	0.10	0.20	0.13
L	Soil water Testing & Issue of Soil Health Cards	0.25	0.25	0.24
M	Maintenance of Building	1.00	1.00	0.99
N	Farmers Conclave, KVK Conference	0.55	0.55	0.54
O	Video Production	0.50	0.50	0.49
P	Library (purchase of Journal, Periodicals, News Papers & Magazines)	0.05	0.05	0.03
<b>TOTAL (A)</b>		<b>77.67</b>	<b>94.19</b>	<b>80.95</b>
<b>B. Non-Recurring Contingencies</b>				
1	<b>Equipments &amp; Furniture</b>	-	-	-
2	<b>Works</b>	-	-	-
3	<b>Vehicle</b>	-	-	-
4	<b>Library</b> (Purchase of assets like books & journals)	-	-	-
<b>TOTAL (B)</b>		-	-	-
<b>C. REVOLVING FUND</b>				
<b>GRAND TOTAL (A+B+C)</b>		<b>77.67</b>	<b>94.19</b>	<b>80.95</b>

**14.C. Status of revolving fund (Rs. in lakh) for the three years**

Year	Opening balance as on 1 <sup>st</sup> April	Income during the year	Expenditure during the year	Net balance in hand as on 1 <sup>st</sup> April of each year
April 2009 to March 2010	12.12	6.48	4.10	14.50
April 2010 to March 2011	14.50	11.93	12.71	13.72
April 2011 to March 2012	13.72	9.47	11.23	11.97

**15. Details of HRD activities attended by KVK staff**

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Dr. S. Onkarappa	Scientist (Plant protection )	Innovative Extension Approaches for Agricultural Management	UAHS(S)	7/11/2017 to 10/11/2017
Dr. Rudragouda F.S	Scientist(Agronomy )	Innovative Extension Approaches for Agricultural Management	UAHS(S)	7/11/2017 to 10/11/2017
Dr. Prakash Kerure	Scientist (Horticulture)	Short course on Bio fertilizers and Bio-pesticides in Horticultural crops	ICAR at COH, Mysore	9-10-2017 to 18-10-2017
Dr. Prakash Kerure	Scientist (Horticulture)	Model Training course on climate change on horticulture crops	ICAR at UHS, Bagalkot	6-3-2018 to 13-03-2018

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

Nil