KRISHI VIGYAN KENDRA BAGALKOT

ANNUAL REPORT -2018-19

(FOR THE PERIOD FROM 01 APRIL 2018 TO 31 MARCH 2019)

KVK Address and Host Organization details

KVK Address	Telephone		E mail	Web Address
	Office	FAX		
Krishi Vigyan Kendra, Bagalkot – 587 101	**08354 – 223543**	**08354 – 223543**	**kvkbgk@rediffmail.com** **kvk.Bagalkot@icar.gov.in**	**www.kvkbagalkot.com**

Address	Telephone		E mail	Web Address
	Office	FAX		
University of Agricultural Sciences, Krishi Nagar, Dharwad – 580 005	**0836-2447494**	**0836-2447783**	**deuasd@rediffmail.com**	**www.uasd.edu**

PART I – GENERAL INFORMATION ABOUT THE KVK

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

1.2.

KVK Address	Telephone		E mail	Web Address
Krishi Vigyan Kendra, Bagalkot – 587 101	Office **08354 – 223543**	Fax : **08354 – 223543**	**kvkbgk@rediffmail.com kvk.Bagalkot@icar.gov.in**	**www.kvkbagalkot.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 Sciences, Krishi Nagar, Dharwad – 580 005	0836-2447494	0836-2447783	deuasd@rediffmail.com	www.uasd.edu

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr.Mouneshwari R Kammar		09448495347	kvkbgk@rediffmail.com kvk.Bagalkot@icar.gov.in

1.4. Year of sanction: 2005

1.5. Staff position as on 31 March 2018

Sl. No.	Sanctioned post	Name of the incumbent	Discipline	Existing Pay band	Grade Pay	Date of joining	Permanent / Temporary	If vacant action plan for filling the post on permanent basis
1.	Senior Scientist and Head	Dr. Mouneshwari R Kammar	Home Science	37400 – 67000	9,000	24.07.2017	Permanent	
2.	Scientist	Dr. Dineshkumar S P	Agronomy	15,600-39,100	6,000	15-02-2017	Permanent	
3.	Scientist	Dr. Sudha S.	Plant Pathology /Agri. Entomology	15,600-39,100	6,000	03-04-2017	Permanent	
4.	Scientist	Dr. Airadevi P Angadi	Horticulture	15,600-39,100	6,000	24-07-2017	Permanent	
5	Scientist		Soil Science	15,600-39,100	6,000	-	-	
6	Scientist	Dr. Mahesh Kadagi	Animal Scinece	15,600-39,100	6,000	03.11.2017	Permanent	
7	Scientist	Vacant	Home Science	15,600-39,100	6,000	-	-	
8	Programme Assistant	Mr. Siddappa C. Angadi	Agril. Extension	9300 – 34800	4,200	18-12-2008	Permanent	
9	Computer Programmer	Mr. Majeed G	Computer Science	9300 – 34800	4,200	30-09-2013	Permanent	
10	Farm Manager	Vacant	-	9300 – 34800	4,200	-	-	
11	Assistant	Vacant	Accountant	8000 – 14800	-	-	-	
12	Stenographer	Vacant	Stenographer/Typist	8000 – 14800	-	-	-	
13	Driver 1	Mr. Chandrashekar Makapur	Driver (LV)	11600 - 21000	-	07-02-2018	Permanent	
14	Driver 2	Mr. Mahadeva V Pujari	Driver (LV)	11600 - 21000	-	27-07-2017	Permanent	
15	Supporting staff 1	F.M. Talawar	Cook-cum-Caretaker	11600-21000	-	16-11-2016	Permanent	
16	Supporting staff 2	Smt. Renuka Arawatagi	Farm Labour	4800 – 7275	-	7-10-2011	Permanent	

1.6. Total land with KVK (in ha): 22.90 ha

S. No.	Item	Area (ha)
1	Under Buildings	0.80
2.	Under Demonstration Units	0.80
3.	Under Crops	19.3
4.	Orchard/Agro-forestry	2.0
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.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	31.03.2007	488.20	47.00			
2.	Farmers Hostel	ICAR	31.03.2007	299.31	29.20			
3.	Staff Quarters	ICAR	31.03.2007	399.72	35.60			
	1							
	2							
	3							
	4							
	5							
	6							
4.	**Demonstration Units**							
	Dairy Unit	UASD						
	Vermicompost Unit	RF						
	Farm Pond	GoK		18*18*3				
	Azolla Unit	RF		12				
	Vermiwash unit	UASD						
	Bio-digester Unit	UASD						
	Hydroponic unit	UASD						
	Vertical garden	ICAR	31.07.2017		7000			
	Medicinal and Herbal plants block	RF						
5	Fencing							
6	Rain Water harvesting system							
7	Threshing floor	UASD	2017	55.74				
8	Farm godown	UASD	Under construction					

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Jeep (Tavera)	2005	4,99,999	2,42,211 Kms	Working
Tractor with trolley	2005	3,70,000	6907 hrs	Working
Motor Cycle (CD Deluxe)	2006	39,600	46413 Kms	Working
Motor Cycle (Passion)	2009	48,814	31512 Kms	Working

C) Equipment & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Weighing machine	2005	325	Good Condition
Spring balance	2005	60	Good Condition
Plastic chairs	2005	12,000	Good Condition
Xerox machine	2006	72,000	Good Condition
Digital camera	2006	18,450	Good Condition
Insect storage cabinet	2006	13,200	Good Condition
Insect exhibition cabinet	2006	9,000	Good Condition
Tractor drawn plough	2006	18,500	Good Condition
Seed cum fertilizer drill	2006	9,900	Good Condition
Computer	2007	29,326	Good Condition
Laser printer	2007	20,642	Good Condition
Scanner	2007	2,600	Good Condition
Gas stove	2006	850	Good Condition
Mixer/grinder	2007	1,650	Good Condition
Bakery oven	2007	4,377	Good Condition
Notice board	2007	6,750	Good Condition
White writing board	2007	3,000	Good Condition
Sewing machine	2008	19,700	Good Condition
Sprayers	2008	7,781	Good Condition
Godrej Executive Table	2008	19,333	Good Condition
Godrej office Table(T-104)	2008	1,01,592	Good Condition
Godrej office Table(T-9)	2008	49,650	Good Condition
Godrej computer work station	2008	28,745	Good Condition
Godrej 4 drawer filing cabinet	2008	24,848	Good Condition
Godrej almaras	2008	71,754	Good Condition
Godrej 4 way book shelf	2008	25,712	Good Condition
Godrej chairs	2008	52,500	Good Condition
Godrej chairs	2008	25,551	Good Condition
Godrej office chairs	2008	43,975	Good Condition
Juicer	2009	7,369	Good Condition
LCD mounting	2009	15,400	Good Condition
Sony LCD television	2009	43,950	Good Condition
Fax machine	2009	13,950	Good Condition
Traditional chakky machines	2009	3,000	Good Condition
Hero Honda (Passion plus) motor cycle	2009	48,814	Good Condition
Envirofit choolhas	2009	2,350	Good Condition
Acrylic Boards	2010	3,505	Good Condition
Groundnut strippers	2010	3,560	Good Condition
Rawa and Atta machine	2010	32,513	Good Condition
Chop cutter machine	2010	28,000	Good Condition
Pigeon gas stove, Pipe, Regulator	2010	2,872	Good Condition
Aspee sprayers	2010	5,530	Good Condition
Steel cots, Beds, Dining Table (big one with 30 chairs)	2010	1,99,625	Good Condition
Hindalium pateli & lid, Plate S .S., Rice spoon for hostel	2010	3,503	Good Condition

Dish TV – DTH set	2010	1,980	Good Condition
Hinda, Top 2, Lid 2, S.S. Sakkari butti for hostel	2010	955	Good Condition
Electronic Weighing Scale	2010	12,800	Good Condition
Podiums	2010	12,900	Good Condition
Bamboo yoke 12’	2010	660	Good Condition
Wooden yoke 8’	2010	1,100	Good Condition
Intercultivation Hoe 12”	2010	2,860	Good Condition
Intercultivation Hoe 18”	2010	3,080	Good Condition
Intercultivation Hoe 24”	2010	3,520	Good Condition
Wooden yoke (10’ tines)	2010	550	Good Condition
Hostel utensils and accessories	2010	9,434	Good Condition
Dairy Utensils and accessories	2011	690	Good Condition
Single bottom reversible mb plough	2011	46,000	Good Condition
Two bottom reversible mb plough	2011	49,000	Good Condition
Mouse USB	2011	220	Good Condition
Groundnut decorticator	2011	4,500	Good Condition
EPABX accessories	2011	63,615	Good Condition
7.5 KVA Generator	2011	92,000	Good Condition
Hitachi cp X 4687 multimedia projector	2011	97,610	Good Condition
Anand spiral seperator (250 to 300 kg)	2012	12,000/-	Good Condition
Shewing machine LP1 Model DA-1	2012	8,064/-	Good Condition
Tractor operated post hole digger	2012	42,748/-	Good Condition
Light trap	2012	9,975/-	Good Condition
Digital moisture meter	2012	49,020/-	Good Condition
District Map (size 36”x40”) – 3 No.s	2012	24,750/-	Good Condition
pH meter (ELICO)	2012	23,005/-	Good Condition
Tractor operated zero till machine	2012	47,500/-	Good Condition
Bedsheet	2013	3,800/-	Good Condition
ELICO Microprocessor	2013	23,005/-	Good Condition
Tractor operated zero tills	2013	47,500/-	Good Condition
Bhavani dehuller/pearler capacity	2013	56,500/-	Good Condition
Stopper (Big size)	2013	920/-	Good Condition
Coconut climber ladder	2013	2500/-	Good Condition
Multi functional printer (Brother)	2014	9500/-	Good Condition
Nikon coolpix camera P520	2014	34793/-	Good Condition
Twin wheel hoe	2014		Good Condition
Bio-metric K-20 Machine	2015	14,885/-	Good Condition
Hard disk 1TB	2015	4,850/-	Good Condition
Bhaji choupali	2015	520/-	Good Condition
Bucket Small	215	410/-	Good Condition
Hp tablet + Charger (kit)	2015	-	Good Condition
Microtek UPS 110FB	2015	6050/-	Good Condition
Hi-power battery Is-150AH	2016	13199.96	Good Condition
Lab equipment stands	2016	8,990/-	Good Condition
Lab equipment stands	2016	8,990/-	Good Condition
UPS microteck 1125/V/A	2016	9,600/-	Good Condition
Battery okaya 150 Ah	2016	9,900/-	Good Condition
Revo Bag closer machine	2016	7,699/-	Good Condition
Bund farmer kit	2016	3,700/-	Good Condition
H.P. laerjet printer M-1005	2016	Indent basis	Good Condition
Lap top H.P. core i7	2016	60,216/-	Good Condition
Sony Make LED Tv (32”)	2016	33,167	Good Condition
Canon photo copier	2016	2,28,500/-	Good Condition
Fermentor	2016	1,41,400=00	Good Condition
Godrej lock	2016	-	Good Condition
5 HP kirolskar oil engine	2016	39,000	Good Condition

Bee colonies swith hive	2016	16,000	Good Condition
Iron stand	2016	3,400	Good Condition
Digital scale	2017	2200	Good Condition
Fibre angle scale 5 kg capacity	2017	700	Good Condition
2 kg to 500 gm scale	2017	260	Good Condition
HP Texmo Index based single Phase	2017	7855/-	Good Condition
R.O. System (Kent Park)	2017	55,000/-	Good Condition
Supply and installation of CCTV-Cameras	2017	75,028/-	Good Condition
UPS 2KVA Online UPS along with battery	2017	94,500/-	Good Condition
Handy Planter	2017	4,000/-	Good Condition
Mechanized Vermicompost sieving machine	2017	19,470/-	Good Condition
Godrej Pad lock	2017	1,300/-	Good Condition
½ H.P. Motor Pump set	2017	3,400/-	Good Condition
450mm dia x2.5 mtr length rcc cattle trough	2017	10,148/-	Good Condition

1.8. Details of SAC meeting conducted during 2017-18

Date	Number of Participants	Salient Recommendations	Action taken	Remarks, if any
31.05.2017	80	Subscribe more number of farmers for krishi Munnade magazine, under sponsored training some amount may be utilize to subscribe.	272 Members have been subscribed to Krishi Munnade Magazine from July 2017 to till date	
		Each scientist has been asked to write one popular article per month.	7 popular articles have been published so far.	
		Carryout nutrient analysis of dry azolla and compare it with fresh Azolla	There was no equipment available from plant 'N' analysis now that equipment is available it will be carried out.	
		To collaborate with horticulture department of demonstration of terrace gardening. It can also be taken up as paid training programme, the fees collected may be used for procuring training materials such as seeds, neem formulation, Hand pump and convert kitchen waste to terrace garden. This may be reported as work under Swachha Bharata mission	As per the suggestion paid training on urban horticulture was conducted from three days during December 2017 and seeds and planting materials were given to farmers for further propagation	
		It was suggested to send the nematode infested samples of lime plants to UAS,Dharwad for isolation of organisms	-	
		Technologies mentioned in as technology inventory developed by UAS, Dharwad, may be made popular for the benefit of the farmers	A handout on the same is published (500 copies) and distributed to farmers.	
		The Action taken report needs to be quantifiable with regard to data and no of programmes	Noted and is being implemented	
		Prepare some farmers for the fodder seed bank. Facilitate the farmers to go for fodder seed production. In this regard, a trip may also be planned for farmers to visit model KVK fodder seed producer association.	Under IFS programme seed materials is given for propagation	
		Economics of intercropping needs to be properly calculated wherever necessary	Under FLD and conducted the intercropping is being calculated	
		It was asked to upload folders published by the to KVK portal and KVK Website in pdf format regularly to enhance visibility of KVK at national level	It is uploaded	
		Prepare and upload small videos to you tube such as hydroponics azolla production and Vermiwash.	Video is prepared and uploaded	
		To train people and to backstop the staff of KSDA technically in transplanting redgram and introduction of BSMR-736 under irrigated condition.	BSMR-736 is not accepted as it is long duration and susceptible to pod borer.	

		Educate the staff of KSDA on how to read soil health card and recommended dose of fertilizers	Conducted training for extension functionaries on 17.03.2018 and educated them	
		To prepare navnae pedha enriched with stevia to suit diabetic patients Navane pedha may also try with jaggery	Trained NGO in this regard and it is being sold in an outlet.	
		To demonstrate onion storage structure in collaboration with dept of Horticulture, develop literature on the same topic	Demo is proposed in the action plan of 2018-19	
		To popularize medicinal and aromatic plants and management of snails then crop diversification in shadenet.	A demo unit on aromatic and medicinal established. Problem of snail is not reported during this year.	
		Training for youth on skills development to be taken up.	A Paid training on sheep and goat rearing was organised from 30.01.2018 to 31.01.2018 (2 days) MANAGE sponsored training 12.03.2018 to 17.03.2018 (6 days) on modern sheep and goat rearing praictices	
		To plan activities on organic farming. 2 acres of land may be ear-marked for organic farming	The demo units under organic farming are increased.	
		Annual training calendar should be prepared for each Scientist	Annual training calendar was prepared and send to agriculture department.	
		Register the product name and nutrient analysis for Navane peda	FSSAU license number is obtained and nutrient analysis is done	
		Preparation of pulse magic at kvk should be started.	The process was started and the concerned scientist was transferred.	
		Poly-house construction of KVK to be taken up under revolving fund and fencing of KVK campus to be undertaken.	A shade net construction work is completed . The proposal for fencing of KVK campus is already sent.	
		Activities on drip irrigation need to be highlighted.	A demo is established in KVK campus	
		Change the list of sac member who have already served for three years	Implemented	
		A team of delegate led by DE, consisting of Director ATARI, ADE, ADR and other member of sac made visit to pomegranate demo plot of KVK and decided to remove the pomegranate plot as this plot has turned out to be unproductive	Unproductive pomegranate plants were uprooted during the month of August 2018. (13.08.2018 to 14.08.2018)	

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	Greengram – Sorghum
2	Sunflower – Chickpea
3	Fallow – Sorghum
4	Bajra + Pigeon pea
5	Groudnnut + Pigeonpea
6	Sorghum + Pigeonpea
7	Sole Pigeonpea
8	Fallow – Chickpea
9	Goat, Sheep, Cows and Buffaloes rearing
Irrigated Situation	
10	Sugarcane based cropping system
11	Pomegranate based cropping system
12	Sapota based cropping system
13	Banana
14	Maize – Groundnut
15	Bajra-Groundnut
16	Maize-Sunflower
17	Soybean-Wheat
18	Turmeric
19	Onion-Chilli
20	Dairying
21	Goat/Sheep rearing
22	Agri. Horti, Agroforestry

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 of Karnataka, Zone–3 1. Irrigated (35%) 2. Rain-fed (65%)	Very less rainfall (570.00 mm), 35-40 rainy days, Medium Black, Deep black and Red soils. Partly irrigated (35%), July and September are peak rainy months. All types of crops are grown including Horticultural crops. Agricultural crops – Sugarcane, Sunflower, Maize, Groundnut, Horticultural crops – Pomegranate, grape, Sapota, Banana, Papaya, Mango Vegetables – Onion, Chilli, brinjal, tomato etc Spices – Turmeric, Chilli, Garlic, Ginger etc. Sorghum, Bajra, Greengram, Bengalgram, sunflower, Sesamum,Redgram,Safflower etc.

S. No	Agro ecological situation	Characteristics
1	Rainfed Irrigated Irrigated & rainfed	Deep black soils (Hungund, Bagalkot) Medium Black soil (Badami, Mudhol, Jamakhandi) Red soils (Badami, Bagalkot, Bilagi) Source – Well, Gataprabha Left Bank Canal(GLBC), Malaprabha Left Bank Canal(MLBC), Upper Krishna Project(UKP), Tank and lift irrigation

2.3 Soil type/s

S.No.	Soil type	Characteristics	Area in ha
1	Black Soils	Possess a characteristically dark colour, ranging from dark brown to deep black. They are high in clay content, clay mostly belong to montmorillonitic group, and are sticky and plastic when wet. They show strong swelling and shrinkage with changes in moisture content and produce deep and wide cracks. Their limitation for crop production is because of their poor tillage and poor drainage. The black color may be due to presence of clay- humus complexes or titaniferous-magnetite compounds. The soils classified as shallow – possessing a depth of 30 cm or less, medium – 30 to 100 cm and deep black soils – 100 to 200 cm or even more. According to soil taxonomy the common orders, sub orders and great groups of black soils are as follows. Order – Vertisol Sub order – Torrerts and Usterts Great group – Torritorrerts, Usttorrerts, Torriusterts and Ustusterts	2,86,549
2	Red Soils	Well-drained soils, with clay enriched subsoil developed from granite, gnesis or schists under subtropical climate. The normal red soils have a pH around neutrality or acidic side. The A-horizon is dark reddish brown while B-horizon may have a dark brown color. The clay minerals become coated with red hematite or yellow limonite forming a reddish-yellow soil. Impure iron, alumina-silica concretions and quartz are common constituents of red soil. According to soil taxonomy the common orders, sub orders and great groups of red soils are as follows. Order – Alfisol and Ultisol Sub order – Ustalfs, Ustults, Aqults Great group – Haplustalfs, Rhodustalfs, Paleustalfs, Haplustults, Rhodoustults, Ochraquults	1,91,032

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

S. No	Crop	Area (ha)	Production (Metric tons)	Productivity (kg /ha)
1	Rice	0	0	0
2	Jowar	99250	119288	1202
3	Ragi	0	0	0
4	Maize	71800	277450	3864
5	Bajra	26300	35200	1338
6	Wheat	25000	34900	1396
7	M.Millets	0	0	0
	Total Cereals:	222350	466838	7800
1	Tur	11900	12250	1029
2	Bengalgram	106500	86125	809
3	Horsegram	0	0	0
4	Blackgram	2000	400	200
5	Greengram	38200	15360	402
6	Cowpea	1800	795	442
7	Avare	250	115	460
8	Mothbean (Madake)	400	120	300
	Total Pulses:	161050	115165	715
	Total Foodgrains:			
1	Groundnut	27800	34575	1244
2	Sesamum	1900	855	450
3	Sunflower	38300	35385	924
4	Castor	0	0	0
5	Niger	300	300	90
6	Mustard	0	0	0
7	Soyabean	3200	4650	1453
8	Safflower	1500	600	400
9	Linseed	2000	500	250
	Total Oilseeds:	**75000**	**76655**	**1022**
	Commercial Crops:			
1	Cotton	2300	10125	4.40
2	Sugarcane Planted	28400	2840000	100
3	Sugarcane Ratoon	86900	6517500	75
4	Tobacco (VFC)	0	0	0
5	Tobacco (Beedi)	0	0	0
	GRAND TOTAL	576000	0	0

* **Department of Agriculture, JDA office Bagalkot**

S. No	Crop	Area (ha)	Production (Metric tons)	Productivity (T /ha)
1	Mango	727.07	6830.87	9.40

2	Banana	1262.9	78779.7	62.38
3	Lemon	566.86	8261.55	14.57
4	Guava	273.2	5868.4	21.48
5	Sapota	288.58	2958.58	10.25
6	Pomegranate	2298	25034.8	10.89
7	papaya	334.6	15521.5	46.39
8	Ber	8	214	26.75
9	Clustered Apple	2.6	18.6	7.15
10	Grape	2595.91	44841.15	17.27
11	Watermelon	435.3	21871.48	267.0216
12	Muskmelon	15	270	18
13	Tomato	745.6	16889.9	22.65
14	Onion	31430.9	503666	16.02
15	Brinjal	538.2	14345.4	26.65
16	Lady Finger	310.39	2650.92	8.54
17	Drumstick	305.9	1360.655	4.45 numbers
18	Total leafy vegetables	305.9	1360.655	4.45
19	Turmeric	2820.2	31455	11.15

Source: Department of Horticulture, DDA office Bagalkot 2017

2.5. Weather data 2017-18

Month	Rainfall (mm)	Rainy Days	Temperature ^{0} C		Humidity (Rh) %	
			Maximum	Minimum	Morning	After noon
Jan-17	0	0	65	74	65	74
Feb-17	0	0	69	80	69	80
Mar-17	33.2	2	67	64	67	64
April -17	0	0	37	27	75	57
May-17	53.8	4	38	24	80	57
June-17	75.1	5	32	23	87	79
July-17	14.6	3	22	32	81	73
August -17	0	0	22	31	80	76
September-17	280.3	10	22	31	83	83
October -17	53	4	22	31	85	86
November-17	0	0	21	30	75	82
December-17	0	0	18	29	68	79
January -18	0	0	19	30	67	58
February -18	0	0	20	33	63	45
March -18	0		24	36	70	39
Total	476.8	28				

- Average Rain fall of the District 570 mm

Source : Agricultural Research Station, Bagalkot

2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district
2.7.

Category	Population	Production	Productivity
Cattle			
Crossbreed	30801	50000 tons	6.0 lit
Indigenous	395248	19000 tons	1.0 lit
Buffalo			
Crossbreed	275191	77000 tons	2.5 lit
Indigenous			
Sheep			
Crossbred	-	-	-
Indigenous	671679		
Goats	422988	4000 tons	0.5 lit
Pigs			
Crossbreed	-	-	-
Indigenous	20670	-	-
Rabbits	148	-	-
Poultry			
Hens	-	-	-
Desi	286857	140 lakh (Eggs) & 73000 tons (Meat)	-
Improved	767330	1341 lakh (Eggs) & 73000 tons (Meat)	-
Ducks	-	-	-
Turkey and others	-	-	-

Category	Area	Production	Productivity
Fish			
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

* Please provide latest data from authorized sources. Please quote the source

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

2.8 Details of Operational area / Villages

Sl. No.	Major crops & enterprises being practiced in cluster villages	Prioritized problems in these crops/ enterprise	Extent of area (Ha/No.) affected by the problem in the district	Names of Cluster Villages identified for intervention	Proposed Intervention (OFT, FLD, Training, extension activity etc.)
	OFT's				
1	Pigeon pea (C 2nd Year)	Low yield due to non availability of high yielding variety	7500 ha	Jamakhandi, Bagalkot	OFT, Trainings, Results demonstrations
2	Sugarcane (C 2nd Year)	High cost on fertilizers , Low organic matter due to burning of trash/residues	10000 ha	Ingalgi, Bevinamatti and mirji	OFT, Trainings, Results demonstration
3	Chickpea (C 2nd Year)	High cost and scarcity of labors, Low yield due to wilt, pod borer	7500 ha	Kulali, Savalagi, Bagalkot	OFT, Trainings, Results demonstration
4	Sugarcane	Low soil fertility due to mono cropping of Sugarcane , water scarcity	5000 ha	Mudhol, Bidari	OFT, Trainings, Results demonstration
	FLD's				
1	Sorghum (C)	Low yielding – local variety	1500 ha	Mannikeri, Shirur	FLD, Trainings, Field Day
2	Wheat (Dicoccum) (c)	Low yield due to use of local variety (15-20%) Weed infestation	200 ha	Bilagi, Sonna	FLD, Trainings, Field Day
3	Sugarcane (c)	Low yield due to flowering	10,000 ha	Mudhol, Jamakhandi	FLD, Trainings, Field Day
4	Foxtail millet (c)	Farmers are unaware about the nutritional values of minor millets. Non availiabity of high yielding varieties of millets	**50** ha	Shirur, Manikatti, Udagatti, Hanapur S. P., Bevinamatti	FLD, Trainings, Field Day
5	Pigeon Pea + Soybean (c)	Low soil fertility due to mono cropping of Sugarcane , water scarcity	2000 ha	Savalagi, Jamakhandi	FLD, Trainings, Field Day
6	Sugarcane (c)	Alternate cropping system to Sugarcane	3000 ha	Sigikeri, Neeralkeri, Murnal, Muchkandi	FLD, Trainings, Field Day
7	IDM Pomegranate (c)	Low yield due to disease incidence	600 ha	Kaladagi, Govinakoppa	FLD, Trainings, Field Day
8	Fodder	Scarcity of green fodder Low milk yield	2000 animals	Mudhol, Bagalkot	FLD, Trainings, Field Day
9	Onion	Delayed rainfall, non availability of variety (late kharif), use of local variety without seed treatment, poor storability	2500 ha	Bidari, Bavalatti, Kagalgomba, Chittaragi	FLD, Trainings, Field Day
10	Onion	Non availability of Better variety , use of	1000 ha	Devanal, Jeergal,	FLD, Trainings ,Field Day

		local variety without seed treatment, poor storability			
11	Nutritional Garden	Unavailability of fresh vegetables Making use of home backyard	-	Bagalkot, Hanapur	Method Demonstration.
12	Watermelon	Less yield due to poor pollination	250 ha	Nandikeshwar, Devanal	FLD, Trainings ,Field Day
13	Cowpea (Summer)	Suitable variety during summer (DC-15)	2000 ha	Hadagali, Kaladagi	FLD, Trainings ,Field Day
14	Okra	Imbalance use of nitrogenous fertilizers High cost of cultivation Low yield	-	Mannikeri, Sonnal, Bevinamatti ,	FLD, Trainings ,Field Day
15	Maize	Imbalanced fertilizer application High cost of cultivation Low yield	500 ha	Neeralkeri	OFT, Trainings ,Field Day
16	Vertical garden	Not making use of terrace roofs inefficient utilization of space Less availability of fresh vegetables in daily diet		KVK, Bagalkot	FLD, Trainings ,Field Day Establishment of demo unit
17	Super grain bags	Infestation of storage pests in pulses	-	Bhagavati, Honnakatti, Hiregulbal	FLD, Trainings
18	Safe storage structures	Infestation of pulses by storage pests		Devanal, Kundaragi	FLD, Trainings ,

2.9 Priority thrust areas

S. No	Thrust area
1	Varietal introduction/ Demonstration
2	Cropping system
3	Integrated Management of Disease, pest and nutrients
4	Feed and Fodder Production
5	Integrated Farming System
6	Soil and water conservation

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**
4	4	12	12	18	18	176	176

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**
66	**49**	**1800**	**1542**	**30**	**22**	**1200**	**750**

Seed Production (Q)		**Planting materials (Nos.)**	
5		**6**	
Target	**Achievement**	**Target**	**Achievement**
150	90.47	**300**	179

Livestock, poultry strains and fingerlings (No.)		**Bio-products (Kg)**	
7		**8**	
Target	**Achievement**	**Target**	**Achievement**
50	18 kg of fish	1500	1320

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.)/Trial	Supply of planting materials (No.)	Supply of livestock/ supplements (No.)	Supply of bio products	
													No.	Kg
1.	Varietal Evaluation	Pigeonpea	Low Yield due to MYMV disease	Assessment of Pigeon pea variety, GRG-811 under protective irrigation	-	1	1	-	1	Seeds-TS3-R 5 kg Seeds - BSMR-736 5 Kg Seeds - GRG-811 5 kg	-	-	-	Rhizobium 1 Kg Trichodrma 1 Kg
2.	Varietal Evaluation	Chickpea	**High cost and scarcity of labors, Low yield due to wilt, pod borer**	Assessment of Chickpea variety, GBM-2under protective irrigation	-	1	1	-	1	Seeds- JG-11 25 kg Seeds JAKI-9218 25 Kg Seeds - GBM2 25 kg	-	-	-	Rhizobium 1 Kg Trichodrma 1 Kg
3.	Soil fertility	Sugarcane	Low yield due to wilt pod borer, shrunken seeds	Assessment of effect of in situ vermicultring in Sugarcane trash decomposition	-	1	1	-	1	*Compost culture* 2 kg/Ac Earthworms 5.5 Kg Compost culture 2.kg/ac Soil analysis (pre and post)		-	-	
4.	Monocropping	Sugarcane	Low soil fertility due to mono cropping of Sugarcane	Assessment of alternate cropping system for sugarcane	-	1	1	-	1	Sole Pigeonpea TS-3R 5 Kg Sole Sugarcane 1ton Pigeon pea + Soybean (Kharif) (5 kg/ac+25 kg/ac)– Summer chickpea 25kg/ac /cowpea 12kg/ac (TS3R, JS-335, JG-11,DC-15,) 5 kg/ac+ 25kg/ac)– chickpea 25kg/ac/cowpea 12kg/ac				

5.	Varietal Introduction	Sorghum	Low yield due to use of local variety	-	Demonstration of new Sorghum variety (SPV-227)	1	1	1	1	Seeds : CSV-29R 3kg	-	-	-	
6.	Varietal Introduction	Dicoccum Wheat	Low yield due to use of local variety	-	Introduction of Dicoccum wheat varety	1	1	1	1	DDK-1029 60kg	-	-	-	
7.	Varietal Introduction	Foxtail	Low yield due to use of local variety	-	Introduction of foxtail variety DHFt-109	1	1	1	1	DHFt-109 3kg	-	-	-	
8.	Intercropping	Redgram and P Soybea	Intercropping of pigeon pea with Soybean	-	Demonstration of Pigeon pea + Soybean intercropping in non traditional pockets of Bagalkot	2	1	5	8	Seeds TS3-R 3 Kg Seeds JS335 25 Kg Neem based insecticide 1 ltr chlorantraniliprole 30 ml	-	-	-	
9.	Varietal introduction	Onion	Delayed rainfall, non availability of variety variety		Demonstration of kharif onion variety Bhima super	1	0	1	1	Bhima super seeds 3kg				
10.	Varietal introduction	Onion	Non availability of better variety, use of local variety without seed treatment, poor storability		Demonstration of kharif onion variety Bhima super	1	0	1	1	Bhima super seeds 3kg				
11.	Varietal introduction	Sugarcane	Low yield due to flowering		Introduction of non flowering sugarcane variety SNK 07680	2	2	4	3	Seed material: 1 ton SNK 07680 Sets Carbendazim, 250 gm Chlorpyriphos 250 ml Attrazine 1 Kg				
12.	Integrated Pest Management	Pomegranate	Thrips	-	Management of Pomegranate thrips	1	1	1	-	Bromopol 300 gm COC 2 Kg Streptocycline 300 gm Boron 250 gm ZnSo4 250 gm MgSo4 250 gm CaSo4 250 gm				

13.	Varietal introduction	Fodder	Scarcity of fodder and low milk yield		Demonstration of high yielding multi-cut green fodder varieties	1	1	1	-	Root Slip/ cutting- 2000 number				
14.	Method demonstration of nurtional garden	Nutritional Garden	Unavailability of fresh vegetables Making use of home backyard		Demonstration of Nutritional Garden at KVK, Bagalkot	1	1	1	-	Vegetable seed kit: 1000 Seedlings: 500 Vermicompost: 600				
15.	Method Demonstaton	Vertical Garden	Not making use of terrace roofs inefficient utilization of space Less availability of fresh vegetables in daily diet		Demonstration of Vertical Gardening	1	1	1	-	• Vegetable Vertical gardening kit • Drip irrigation system				
16.	Method Demonstration	Pulse	Infestation of pulses by storage pests		Démonstration of structure for safe storage of pulses					Storing in air tight container with 2 cm of sand layer on top of the grains. Rs 5000 per trail				
17.	Yield enhancement	Watermelon	Poor pollination in watermelon	-	Yield enhancement through establishing honeybee colony	1	1	1	-	2 honey bee hive per acre (50% from farmer contribution)				
18.	Varietal evaluation	Cowpea	Low yielding – local variety		Demonstration of new Cowpea vareity DC-15 in Summer	1	1	1	-	Cowpea seeds 15 kg Rhizobium 200 gm				
19.	Method demonstration	Pulse	Infestation of storage pests in pulses		Demonstration of super grain bags					Super grain bags 5 bags				

20.	Micronutrient Management	Okra	• Micronutrient deficiency • Imbalanced fertilizer application • Low yields		Micronutrient Management in Okra using vegetable special	1	1	1	-	Application of vegetable special (5g/ltr) 150/kg Soil analysis before and after the crop				
21.	Micronutrient Management	Onion	• Micronutrient deficiency • Imbalance nutrition • Low yields		Micronutrient Management in Onion using vegetable special	1	1	1	-	Application of vegetable special (5g/ltr) 150/kg Soil analysis before and after the crop				
22.	Micronutrient Management	Maize	• Imbalance use of nitrogenous fertilizers • High cost of cultivation Low yield		Nitrogen Management in Maize using leaf colour chart (K)	1	1	1	-	Application of vegetable special (5g/ltr) 150/kg Soil analysis before and after the crop				

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			02							
Integrated Pest Management										
Integrated Crop Management				1						
Integrated Disease Management										
Small Scale Income Generation Enterprises										
Weed Management										
Resource Conservation Technology				1						
Farm Machineries										
Integrated Farming System										
Seed / Plant production										
Value addition										
Drudgery Reduction										
Storage Technique										
Mushroom cultivation										
Total										

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
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										
Total										

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						
TOTAL						

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						
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					
Varietal Evaluation	Pigeonpea	Assessment of Pigeonpea Variety GRG-811	03	03	3.6
	Chickpea	Assessment of Chickpea Variety GBM-2	03	03	3.6
Integrated Pest Management					
Integrated Crop Management	Sugarcane	Assessing the impact of insitu vermiculturing in Sugarcane trash decomposition	03	03	3.6
	Sugarcane	Assessment of alternate cropping system for Sugarcane	03	03	3.6
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					

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					
Total					

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				
Total				

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				
Total				

4.C1.Results of Technologies Assessed

1. Title of Technology Assessed : **Assessment of Pigeonpea variety GRG-811**

2. Performance of the Technology on specific indicators: Yield, Wilt(%), No of Pods/plant

3.Specific Feedback from farmers: GRG-811, TS3-R varieties are suitable

BSMR-736 is long duration, susceptible to pests

4.Specific Feedback from Extension personnel and other stakeholders: GRG-811, TS3-R varieties are suitable

BSMR-736 is long duration, susceptible to pests

5. 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	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Pigeonpea	Rainfed	Low yield to non availability of high yielding variety	Assessment of Pigeonpea variety, GRG-811	3	T1:TS-3R T2: BSMR-736 T3: GRG-811	Grain Yield, Wilt Pods/Plant Pod damage Pod fly damage	Details given below	Details given below	**GRG-811 Grain size is medium, Minimum pod fly damage, color is acceptable**	No	-

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
Technology option 1 : TS-3R	UAS,Dharwad	17.6	kg/ha	77457	3.77
Technology option 2 : BSMR-736	UAS, Dharwad	19.1	kg/ha	84757	3.83
Technology option 3 : GRG-811	UAS, Dharwad	18.2	kg/ha	80057	3.76

Data on the Parameter and results of assessment

Parameter	**TS-3R**	**BSMR-736**	**GRG-811**
Yield (q/ha)	17.6	19.1	18.2
Wilt (%)	13.0	12.0	10.3
No. of Pods/Plant	192.8	272.5	196.0
Seed damage (%)	18.75	24.5	20.25
Pod fly damage (%)	13.4	17.2	13.8

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

1. Title of Technology Assessed : **Assessment of Chickpea variety, GBM-2**

2. Performance of the Technology on specific indicators : **High cost and scarcity of labors, Low yield due to wilt, pod borer**

3.Specific Feedback from farmers: JG-11 variety was high yielding and with more number of pods and non erect type

4.Specific Feedback from Extension personnel and other stakeholders: Grain size is medium, Minimum pod fly damage, color is acceptable for GRG-811

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

2 Assessment of Chickpea Variety GBM-2.

Results of On Farm Trial

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Chickpea	Rainfed/Irrigated	High cost and scarcity of labors, Low yield due to wilt, pod borer	Assessment of Chickpea variety, GBM-2	3	T1: JG-11 T2: : JAKI 9218 T3: GBM-2	Yield , Plant height, No. of Pods/plant Wilt(%), Pod damage(%)	Detail given below	Detail given below	GBM-2 was not suitable for mechanized harvesting during the Rabi 2017 due to moisture stress	No	-

Contd..*

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
Technology Option 1 : JG-11	UAS, Dharwad	19	kg/ha	60349	3.60
Technology Option 2 : JAKI-9218	UAS, Dharwad	18.7	kg/ha	59029	3.54
Technology Option 3 : GBM-2	UAS, Raichur	19.3	kg/ha	60669	3.50

Data on the Parameter and results of assessment

Parameter	JG-11	JAKI-9218	GBM-2
Yield (q/ha)	19	18.7	19.3
Plant height (cm)	35.7	38.3	44.5
No. of Pods/Plant	56.3	51.2	52.7
Wilt (%)	8.7	8.3	8.0
% pod damage	12.6	13.3	14.2

4.C3 Assessment of effect *insitu* vermicultring in sugarcane trash decomposition

Results of On Farm Trial

1. Title of Technology Assessed: **Assessment of effect *insitu* vermicultring in sugarcane trash decomposition**
2. Performance of the Technology on specific indicators : High cost of fertilizers, low organic matter due to burning of trash
3. Specific Feedback from farmers: Eco friendly approach, useful technology to increase the soil fertility
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	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Sugarcane	Irrigated	High cost of fertilizer, Low organic carbon due to burning of sugarcane trash	Assessment of effect of insitu vermicultur ing in Sugarcane trash	10	T1- Burning of sugarcane trash T2- Retention of resiude and application of compost culture 2kg/ac T3- Retention of residue + *In situ* vermicultur ing (5.5 kg EW/ac) + appln. of compost culture @2kg/ac	Yield, % conversion of trash to vermicomp ost, At harvest, Soil Organic carbon (%) Before, Soil Organic carbon(%) After	Detail given below	Detail given below	Eco friendly approach, useful technolog y to increase the soil fertility		-

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
Technology Option 1: Burning of sugarcane trash	Farmers practice	70.20	t/ha	**1,45,000**	3.21
Technology Option 2: Retention of residue & appln. of compost culture @2kg/ac.	UAS, Dharwad	76.70	t/ha	**1,63,600**	3.46
Technology Option 3:Retention of residue + *In situ* vermiculturing (5.5 kg EW/ac) + appln. of compost culture @2kg/ac	Technology in pipeline UAS, Dharwad	84.60	t/ha	**1,83,000**	3.58

Data on the Parameter and results of assessment

Particulars	Farmer practice	Retention of residue & application of compost culture @2kg/ac	Retention of residue + *In situ* vermiculturing (5.5 kg EW/ac) + appln. of compost culture @2kg/ac
Yield (t/ha)	70.20	76.70	84.60
% conversion of trash to vermicompost at harvest	-	48.20	78.60
Soil Organic carbon % (before)	0.41	0.42	0.42
Soil Organic carbon % (After)	0.41	0.44	0.48

4.C3 Assessment of alternate cropping system to sugarcane

Results of On Farm Trial

1. Title of Technology Assessed: **Assessment of alternate cropping system to sugarcane**
2. Performance of the Technology on specific indicators: Crop equivalent yield
3. Specific Feedback from farmers
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	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Sugarcane	Irrigated	High cost of fertilizer, Low organic carbon due to burning of sugarcane trash	Assessment of alternate cropping system to	10	T1- Sole Pigeonpea TS3-R 12.5kg/ha T2- Sole Sugarcane CO-86032 1 ton/ha T3- Pigeon pea + Soybean (*Kharif)* (12.5kg/ha +62.5kg/ha)– Summer chickpea 62.5kg/ha /cowpea 30kg/ha (TS3R, JS-335, JG-11,DC-15,		Detail given below	Detail given below			-

Contd..

Technology Assessed	**Source of Technology**	**Production**	**Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)**	**Net Return (Profit) in Rs. / unit**	**BC Ratio**
13	14	15	16	17	
Technology Option 1: (Sole Pigeonpea)	Farmers practice	10.2	q/ha	**31082**	2.03
Technology Option 2:. Sole Sugarcane CO-86032	UAS, Dharwad	105	t/ha	**170835**	2.18
Technology Option 3: Pigeon pea + Soybean (*Kharif)* (12.5kg/ha+62.5kg/ha)– Summer chickpea 62.5kg/ha /cowpea 30kg/ha	Technology in pipeline UAS, Dharwad	11.5 pigeonpea +13.75 Soybean +15 cowpea (CEY=20.21)	q/ha	**114744**	2.69

4.D1. Results of Technologies Refined

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	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:

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 and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
									Proposed	Actual	SC/ST	Others	Total	
1.	Oilseeds													-
2.	Cereals	Rainfed	Rabi 2017	Sorghum	Variety	-	Varietal introduction	Improved variety	10	10	2	23	25	-
		Rainfed	Rabi 2017	Wheat	Variety	-	Varietal introduction	Improved variety	4.0	4.0	1	09	10	-
		Rainfed	Rabi 2017	Foxtail millet	Variety	-	Varietal introduction	Improved variety	4.0	4.0	0	10	10	
		Rainfed	Rabi 2017	Maize	Variety		Varietal introduction	Improved variety	4.0	4.0	0	10	10	
3	Pulses	Irrigated	Kharif/Rabi 2017	Pigeonpea + Soybean	Variety		Intercropping	Intercropping	4.0	4.0	0	10	10	-
		Irrigated	Summer 2018	Cowpea	Variety		Varietal introduction	Improved variety	4.0	4.0	2	8	10	
		Rainfed	Rabi/2017	Pulse	Variety		Storage Technique	Storage Technique	2.0	-	0	5	5	
		Rainfed	Rabi/2017	Pulse	Variety		Storage Technique	Storage technique	10.0	-	5	20	25	
4.	Vegetables	Rainfed	Late kharif 2017	Onion	Variety	-	Varietal introduction	Improved variety	2.0	2.0	0	5	5	-
		Rainfed	Rabi 2017	Onion	Variety	-	Varietal introduction	Improved variety	2.0	2.0	1	4	5	
		Rainfed	Rabi 2017	Onion	Variety	-	Integrated Nutrient Management	Integrated Nutrient Management	4.0	4.0	1	9	10	
5.	Fruits	Irrigated	Rabi 2017	Pomegranate	Variety	-	IDM	IDM	4.0	4.0	0	10	10	-
		Irrigated	Rabi/Summer 2017	Watermelon	-	-		Yield enhancement through honeybee colony	2.0	2.0	0	5	5	-
6.	Nutrion Garden	Irrigated	Rabi 2017	Nutritional Garden	Variety	-	Method Demonstration	Demonstration	2.0	2.0	0	5	5	-
7.	Commercial	Irrigated	Summer 2017	Sugarcane	Variety	-	Varietal introduction	Non flowering variety	4.0	4.0	7	3	10	-
8.	Fodder	Rainfed	Kharif 2017	Fodder	Variety		Varietal introduction	Varietal introduction	4.0	4.0	1	4	05	-
9..	Fibre													-
10.	Vertical garden	--	Kharif 2017	Flowers/ornamental	Variety	-								
	Dairy	Rainfed	Kharif/Rabi2017	Fodder	Variety	-	Varietal introduction	Varietal introduction	2.0	2..0	1	4	05	-

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

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated					
									Season and year	N	P	K	Previous crop
1.	Oilseeds												
2.	Cereals	Rainfed	Rabi 2017	Sorghum	Variety	-	Varietal introduction	Improved variety	Rabi 2017	126.00	12.08	61.40	Onion
		Rainfed	Rabi 2017	Wheat	Variety	-	Varietal introduction	Improved variety	Rabi 2017	109.00	12.00	60.90	Greengram
		Rainfed	Rabi 2017	Foxtail millet	Variety	-	Varietal introduction	Improved variety	Rabi 2017	112.50	12.00	59.60	Chickpea
		Rainfed	Rabi 2017	Maize	Variety		Varietal introduction	Improved variety	Rabi 2017	125.60	11.30	57.50	Onion
3	Pulses	Irrigated	Kharif/Rabi 2017	Pigeonpea + Soybean	Variety		Intercropping	Intercropping	Kharif/Rabi 2017	122.50	12.40	72.00	Chickpea
		Irrigated	Summer 2018	Cowpea	Variety		Varietal introduction	Improved variety	Summer 2018	-	-	-	
		Rainfed	Rabi/2017	Pulse	Variety		Storage Technique	Storage Technique	Rabi/2017	-	-	-	
		Rainfed	Rabi/2017	Pulse	Variety		Storage Technique	Storage technique	Rabi/2017	-	-	-	
4.	Vegetables	Rainfed	Late kharif 2017	Onion	Variety	-	Varietal introduction	Improved variety	Late kharif 2017	125.6	12.4	57.8	Sorghum
		Rainfed	Rabi 2017	Onion	Variety	-	Varietal introduction	Improved variety	Rabi 2017	107.6	11.8	62.2	Greengram
		Rainfed	Rabi 2017	Onion	Variety	-	Integrated Nutrient Management	Integrated Nutrient Management	Rabi 2017	127.7	12.4	69.1	Greengram
5.	Fruits	Irrigated	Rabi 2017	Pomegranate	Variety	-	IDM	IDM	Rabi 2017	-	-	-	
		Irrigated	Rabi/Summer 2017	Watermelon	-	-		Yield enhancement through honeybee colony	Rabi/Summer 2017	-	-	-	
6.	Nutrion Garden	Irrigated	Rabi 2017	Nutritional Garden	Variety	-	Method Demonstration	Demonstration	Rabi 2017	-	-	-	
7.	Commercial	Irrigated	Summer 2017	Sugarcane	Variety	-	Varietal introduction	Non flowering variety	Summer 2017	-	-	-	
8.	Fodder	Rainfed	Kharif 2017	Fodder	Variety		Varietal introduction	Varietal introduction	Kharif 2017	115	11.2	69.8	Fodder
9..	Fibre												
10.	Vertical garden	--	Kharif 2017	Flowers/ornamental	Variety	-			Kharif 2017	-	-	-	
	Dairy	Rainfed	Kharif/Rabi2017	Fodder	Variety	-	Varietal introduction	Varietal introduction	Kharif/Rabi2017	-	-	-	

5.B. Results of FLDs

5.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (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
							H	L	A										
Sorghum	Improved variety	SPV-2217		Rainfed	25	10	9.5	6	7.7	6.2	19.4	9775	15400	5625	1.58	9775	12400	2625	1.27
Wheat	Improved variety	DDK-1029		Rainfed	10	4.0	36	28	31.5	28.30	11.30	22575	47250	24675	2.1	22575	42450	19875	1.9
Foxtail millet	Improved variety	DHFt-109	-	Rainfed	10	4.0	14.2	12.3	13.3	10.4	21.8	7810	20935	13125	2.7	7810	16479	8669	2.1
Pigeonpea + Soybean	Intercropping	TS3R-JS335	-	Irrigated	12	4.8	22.7	15.2	18.3	12.4#	32.24	30118	109740	79622	3.6	27993	74400	46407	2.7
Onion	Improved variety	Bhima Super		Rainfed	5	2.0	28	26.5	27.3	17.76	34.94	31250	56960	25740	1.82	31250	68060	36750	2.17
Onion	Improved variety	Bhima Shakti		Rainfed	5	2.0	24	22	22.8	18.5	18.9	32740	104000	71260	2.19	32800	71840	39040	3.17
Pomegranate	IDM	Kesar		Irrigated	10	4.0	15	10	12.2	8.9	27.04	218000	1200000	982000	5.5	250500	970000	819500	3.89
Watermelon	Watermelon enhancement through Bee keeping	Sugar Queen		Irrigated	05	2.0	65	62	63.8	43.6	31.66	68200	319000	250800	4.68	62400	217000	62400	3.4
Pulse	Storage structure	Pulses	-	Rainfed	05	-													
Nutritional Garden	Demonstration	Ornamental plant		Irrigated	5	2.0	38.58	27.76	31.3			1000	1625	625	1.6	-	-	-	-
Sugarcane	Non flowering variety	SNK07680	-	Irrigated	10	4.0	138	117	131.25	115.75	11.81	144165	393600	249435	2.7	144165	347100	202935	2.4
Food grains	Demonstration of supergrain for safe storage of food grains	-	-	Rabi	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cowpea	Improved variety	DC-15	-	Irrigated	10	4.0	19.5	18	18.75	13	30.67	31050	71250	40200	2.3	31050	49400	18350	1.6

Fodder	Improved variety	DHN6	-	Rainfed	05	4.0	127.8	100.8	115.41	71.54	38.01	58230	115410	57180	1.98	58230	71540	13310	1.22
Maize	Nitrogen management in maize using leaf color chart	-	-	Irrigated	10	4.0	78 (q/ha)	71.5 (q/ha)	75.1 (q/ha)	63.7 (q/ha)	15.14	35900	90120	54220	2.5	36000	76450	40450	2.1
Okra	Micronutrient Management in Okra using vegetable special	-	-	Rainfed	10	4.0	185.25 (q/ha)	175 (q/ha)	180.5 (q/ha)	151.9	15.88	77500	270895	193395	3.5	75000	227863 .5	152863 .5	3.0
Onion	Micronutrient Management in Onion using vegetable special	-	-	Rainfed	10	4.0	32.5 (t/ha)	26.5 (t/ha)	29.1 (t/ha)	26.3 (t/ha)	9.8	49558	110751	61193	2.24	49020	99826	50806	2.0
Pulses	Safe storage of pulses through storage structure	-	-	-	5	-	-				-	-	-	-	-	-	-	-	-

Sole pigeonpea yield

* 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**
1	**Introduction of new Sorghum variety, SPV-2217**		
	Fodder Yield (t/ha)	3.0	2.5
2	**Introduction of Wheat Variety, DDK-1029**		
	No of Panicles per hill	87.5	85.1
	No of productive tillers m^2	378	368
3	**Introduction of non flowering sugarcane variety SNK 07680**		
	Plant Height (cm)	310.5	316.2
	Germination (%)	94.7	93.5
	Canegirth (cm)	3.78	3.22
	Arrowing (%)	0	12.5
4	**Introduction of foxtail millet variety DHFt-109-3**		
	Plant height (cm)	128.1	115.2
	Fodder Yield (q/ha)	19.4	18.5
	Palatability %	95.24	90.84
5	**Introduction of kharif onion variety Bhima Super**		
	No of leaves at grand growth	9.2	7.4
	Thrips/plant	14.58	19.86
	PDI (%)	22.2	28.6
	Bulb Weight (gm)	136.3	122.6
	Bulb rotting (%)	18.46	37.8
6	**Introduction of kharif onion variety Bhima Shakti**		
	No of leaves at grand growth	8.6	7.2
	Bulb Weigt (gm)	132.6	127.2
	Thrips/plant	18.4	27.6
	PDI (%)	16.8	28.2
7	**Pigeonpea + Soybean intercropping**		
	No.of pods/plant Pigeon pea	222.5	232.6

	No.of pods/plant Soybean	54.2	-
	1000 grain weight (gm) Pigeonpea	121.4	116.9
	1000 grain weight (gm) Soybean	118.6	-
	Pod damage (%) pigeonpea	13.6	14.0
8	**Integrated Disease Management in Pomegranate**		
	Bacterial blight (%)	22.49	37.7
9	**Demonstration of super grain for safe storage of food grains (Redgram)**		
	Egg load /100 g	0.4	6.36
	No of live insects /100g	0	5.04
	Initial weight of grains (kg)	50	50
	Final wt. (kg)	49.376	44.956
	Weight loss (kg)	0.624	5.044
	Percent weight loss (%)	1.248	10.088
	Sroghum		
	Egg load /100 g	1.44	8.56
	No of live insects /100g	0	7.68
	Initial weight of grains (kg)	50	50
	Final wt. (kg)	49.37	45.25
	Weight loss (kg)	0.62	4.74
	Percent weight loss (%)	1.2	9.5
	Rice		
	Egg load /100 g	1.12	8.48
	No of live insects /100g	0	7.6
	Initial weight of grains (kg)	50	50
	Final wt. (kg)	49.59	45.45
	Weight loss (kg)	0.41	4.54
	Percent weight loss (%)	0.82	9.10
10	**Demonstration of new cowpea Variety DC-15**		
	Plant height (cm)	106.21	86.2
	No of pods per plant (no)	66.2	58.4
	No of seeds per pod	13.6	14.2
	Pod length (cm)	16.9	15.6
	100 seed weight (gm)	4.25	3.80

11	**Yield enhancement in watermelon through honeybee colonies**		
	Honey yield	3.1 kg	-
12	**Demonstration of safe storage structure for pulses**		
	Percent of Seed Damage (100g) of Seed	4.6	8.0
	Percent weight loss	3.2	5.2
13	**Demonstration of Vegetable special in onion**		
	Splitting of bulb (number)	7.6	8.3
	No of leaves/plant	11.4	9.4
14	**Demonstration of LCC in Maize**		
	Plant height (cm)	182	187.7
	Stover Yield (t/ha)	8.9	10.0
	Application of "N" Fertilizer (kg/ha)		

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)				% Increase	*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																	
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	Units / Area (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		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	Units / Area {m^2}	Yield				% Increase	*Economics of demonstration (Rs./unit) or (Rs./m2)				*Economics of check (Rs./unit) or (Rs./m2)			
					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)																	

* 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., additional income realized, employment generation, quantum of farm resources recycled etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Local**

5.B.5. Farm implements and machinery

Name of the implement	Cost of the implement in Rs.	Name of the technology demonstrated	No. of Demo	Area covered under demo in ha	Labour requirement in Mandays		% save	Savings in labour (Rs./ha)	*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

* 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 laboursaved (viz., reduction in drudgery, time etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Local**

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

Sl.No.	Activity	No. of activities organised	Number of participants	Remarks
1	Field days	8	312	
2	Farmers Training	49	1542	
3	Media coverage	7	-	
4	Training for extension functionaries	01	50	
5	Others (Please specify)			

PART VI – DEMONSTRATIONS ON CROP HYBRIDS

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)				% 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
					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																	
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																	

H-High L-Low, A-Average

*Please ensure that the name of the hybrid is correct pertaining to the crop specified

PART VII. TRAINING

7.A.. Training of Farmers and Farm Women including sponsored training programmes (On campus)

Area of training	No. of Courses	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	12	60	1	61	10	1	11	70	2	72
Crop Diversification										
Integrated Farming	2	30	0	30	5	0	5	35	0	35
Micro Irrigation/Irrigation										
Seed production	2	16	0	16	0	0	0	16	0	16
Nursery management										
Integrated Crop Management										
Soil and Water Conservation										
Integrated Nutrient Management										
Production of organic inputs										
Others (pl.specify)										
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop										
Off-season vegetables										
Nursery raising	1	9	0	9	0	0	0	9	0	9
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl.specify)										
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 techniques										
Others (pl.specify)										
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										
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	01	35	0	35	2	0	2	37	0	37
Integrated water management										
Integrated nutrient management										
Production and use of organic inputs										
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										
Animal Disease Management										
Feed and Fodder technology										
Production of quality animal products	03	150	4	154	30	4	34	180	8	188
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										
Women empowerment										
Location specific drudgery production										
Rural Crafts										
Women and child care										
Others (pl.specify)										
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										
Others (pl.specify)										
Plant Protection										
Integrated Pest Management										
Integrated Disease Management	3	50	5	55	5	4	14	60	9	69
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl.specify)										
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										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production	**2**	**24**	**1**	**30**	**5**	**0**	**5**	**29**	**1**	**30**
Organic manures production	**1**	**28**	**0**	**28**	**0**	**0**	**0**	**28**	**0**	**28**
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	**1**	**34**	**0**	**35**	**5**	**0**	**5**	**40**	**0**	**40**
Others (pl.specify) (KVK Conference live webcast)	**1**	**55**	**10**	**65**	**15**					**80**
Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
TOTAL	**29**	**491**	**21**	**518**	**77**	**9**	**76**	**504**	**20**	**604**

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

Area of training	No. of Courses	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	6	120	9	129	20	5	25	140	14	154
Crop Diversification	2	20	0	20	5	0	5	20	5	29
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production	1	6	0	6	0	0	0	6	0	6
Nursery management										
Integrated Crop Management	4	200	25	225	17	38	55	217	63	280
Soil and Water Conservation										
Integrated Nutrient Management										
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)										
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 techniques										
Others (pl.specify)										
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										
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	1	20	2	22	1	1	2	24	0	24
Integrated water management										
Integrated nutrient management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops	2	55	5	60	10	6	16	65	11	76
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										
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										
Women empowerment										
Location specific drudgery production										
Rural Crafts										
Women and child care										
Others (pl.specify) Demonstration of super grain bags	1	0	100	100	0	33	0	0	133	133
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										
Others (pl.specify)										
Plant Protection										
Integrated Pest Management	2	22	0	22	0	0	0	22	0	22
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl.specify)										
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										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production	**1**	**36**	**0**	**36**	**0**	**0**	**0**	**36**	**0**	**36**
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)										
CapacityBuilding 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	19	443	141	584	53	83	103	494	226	724

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	01	09	0	09	0	0	0	09	0	09
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										
Rural Crafts										
Production of quality animal products										
Dairying	2									
Sheep and goat rearing	03	152	4	156	20	4	24	172	8	180
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)										
TOTAL	**04**	**161**	**4**	**165**	**20**	**4**	**24**	**181**	**8**	**189**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production	01	18	2	20	2	3	5	20	5	25
Production of organic inputs										
Planting material production										
Vermi-culture	01	10	2	12	0	2	3	10	5	15
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										
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)										
TOTAL	**02**	**28**	**04**	**32**	**2**	**5**	**8**	**30**	**10**	**40**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	01	45	0	0	5	0	0	50	0	50
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs	01	35	0	0	5	0	0	40	0	40
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	02	65	0	65	0	5	5	65	5	70
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals	01	25	0	25	0	10	10	35	10	45
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
Total	**5**	**170**	**0**	**90**	**10**	**15**	**15**	**190**	**15**	**205**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	03	111	0	111	06	9	15	117	09	126
Integrated Pest Management										
Integrated Nutrient management	02	70	0	70	04	0	04	74	06	80
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs	01	35	0		35	0	35	35	0	35
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	02	25	0	25	0	0	0	25	0	0
Livestock feed and fodder production	01	20	0	20	2	6	8	22	06	28
Household food security	01	23	2	25	4	5	9	27	7	34
Any other (pl.specify)										
Total	**10**	**284**	**2**	**251**	**51**	**20**	**71**	**300**	**28**	**303**

7.G. Sponsored training programmes conducted

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
1	**Crop production and management**	**01**	**25**	**0**	**0**	**5**	**0**	**5**	**30**	**0**	**30**
1.a.	Increasing production and productivity of crops										
1.b.	Commercial production of vegetables										
2	**Production and value addition**										
2.a.	Fruit Plants										
2.b.	Ornamental plants										
2.c.	Spices crops										
3.	**Soil health and fertility management**										
4	**Production of Inputs at site**										
5	**Methods of protective cultivation**										
6	**Others (pl.specify)**										
7	**Post harvest technology and value addition**										
7.a.	Processing and value addition										
7.b.	Others (pl.specify)										
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	**01**	**12**	**03**	**15**	**0**	**0**	**0**	**12**	**03**	**15**
10.b.	Animal Disease Management										
10.c	Fisheries Nutrition										
10.d	Fisheries Management										
10.e.	Others (pl.specify)										
11.	**Home Science**										
11.a.	Household nutritional security										
11.b.	Economic empowerment of women										
11.c.	Drudgery reduction of women										
11.d.	Others (pl.specify)										
12	**Agricultural Extension**										
12.a.	CapacityBuilding and Group Dynamics	**03**	**75**	**0**	**75**	**05**	**10**	**15**	**80**	**10**	**90**
12.b.	Others (pl.specify)										
	Total	**04**	**112**	**03**	**90**	**10**	**10**	**20**	**122**	**13**	**135**

Details of sponsoring agencies involved

1. MANAGE , HYDERABAD
2. GOK, KARNATAKA
3. ATMA KSDA KARNATAKA

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
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**	**02**	**128**	**9**	**143**	**25**	**3**	**40**	**153**	**12**	**165**
3.a.	Dairy farming										
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										
4.b.	Production of bio-agents, bio-pesticides, 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.	**01**	**09**	**0**	**09**	**0**	**0**	**0**	**09**	**00**	**09**
4.i.	Tailoring, stitching, embroidery, dying etc.										
4.j.	Agril. para-workers, para-vet training										
4.k.	Others (pl.specify)										
5	**Agricultural Extension**										
5.a.	Capacity building and group dynamics										
5.b.	Others (pl.specify)										
	Grand Total	**03**	**137**	**09**	**152**	**25**	**3**	**40**	**162**	**12**	**174**

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	05	185	38	213	28	25	53	213	63	276
Kisan Mela	04	25000	5000	30000	500	320	820	25500	5500	30500
Kisan Ghosthi										
Exhibition	03	125	25	150	10	14	24	135	39	174
Film Show										
Method Demonstrations	04	15	2	17	1	1	2	16	3	19
Farmers Seminar										
Workshop	03	70	0	70	20	0	20	70	20	90
Group meetings	02	25	4	29	10	0	10	30	04	34
Lectures delivered as resource persons	15	185	25	210	15	5	20	200	30	230
Newspaper coverage	07									
Radio talks	02									
TV talks	02									
Popular articles	10									
Extension Literature	12									
Advisory Services	1000									
Scientific visit to farmers field	52	40	2	42	7	3	10	47	05	52
Farmers visit to KVK	650									
Diagnostic visits	32	80	10	90	8	6	14	88	16	104
Exposure visits	0									
Ex-trainees Sammelan										
Soil health Camp	2	65	12	77	4	8	12	69	20	89
Animal Health Camp										
Agri mobile clinic										38
Soil test campaigns	1	30	0	30	3	5	8	33	5	
Farm Science Club Conveners meet										
Self Help Group Conveners meetings										
Mahila Mandals Conveners meetings										
Celebration of important days (specify)	5	113	26	139	24	21	45	137	47	187
Any Other (Specify)										
Total	**1811**	**25933**		**5144**	**31067**	**630**	**408**	**1038**	**26538**	**5752**

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)	Sorghum	M35-1	-	20.64	97,008	
	Wheat	DDK-1029	-	10.5	33,150	
	Foxtail Millet	DHFt-109-3	-	3.0	6,655	
Oilseeds	Soybean	JS-335	-	13.29		
	Linseed	PKVNL-260	-	0.42	4,200	
Pulses	Redgram	TS-3R	-	19.00	93,600	
	Bengalgram (C/S)	JG-11	-	5.5	41,250	
	Bengalgram (B/S)	JG-11	-	17.0	127152	
Commercial crops	Onion	Arka Kalyan	-	1.12	1,17,600	
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						
Others (specify)	Drumstick	Bhagya		6.5 Kg	9750=00	
Total						

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	Guava	L-49		30	1200	5
	Guava	Arka Kiran		149	5960	7
Ornamental plants						
Medicinal and Aromatic						
Plantation						
Spices						
Tuber						
Fodder crop saplings	Fodder	DHN-6		18100	9100	12
Forest Species						
Others(specify)						
Total						

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	Pseduomonas	440	66000	55
Bio-pesticide	Metarhizium	508	127000	65
Bio-fungicide	Trichodemra	372	48360	40
Bio Agents				
Others (specify)				
Total		**1320**		**160**

9.D. Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Dairy animals				
Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
Poultry				
Broilers	Giriraj	10	4700	01
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl.specify)				
Fisheries				
Fingerlings				
Others (Pl. specify)	Common carp	18 kg	1800	15
Total		**28**	**6500**	**16**

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	Impact of School Nutrition Garden on the Nutrient Intake of Children	Mouneshwari Kammar , A. P. Biradar, S. C. Angadi and G. Y. Vidyavathi, 2017	*Asian Journal of Agricultural Extension, Economics & Sociology, 18(2): 1-6, 2017*
	Effect of Demonstration on Use of Paddy Straw Baler in Raichur District	Mouneshwari R Kammar, Vidyavathi G Y and Amaresh Y S. 2017	*J Krishi Vigyan 2017, 6(1) 224-226*
	Adoption of Spiral grader as a value addition tool in Pigeon pea production.	Mouneshwari R. Kammar, Amaresh Y.S. and Vanishree S.2017	*Plant archives 17 (1):247-250.*
	Entrepreneurship Development promotion through Millet processing in Raichur district of Karnataka state, India	Mouneshwari R, Kammar, Vanishree S, 2017.	*Plant Archives, 17(2):1460-1462*
	Development of Value Added Products from Bael Fruit (*Aegle marmelos*),	K.Y. Ullikashi , Mouneshwari .R. Kammar and Sudeep R. Lokapure, 2017	*Int.J.Curr.Microbiol.App.Sci (2017) 6(7): 2652-2659*
	Use of Soil Test Crop Response Approach in Direct Seeded Rice	Vidyavathi G Yadahalli* and Mouneshwari R Kammar. 2017,	*J Krishi Vigyan 2017, 6(1) : 213-216*
Research Abstracts	Qualitative analysis of successful practices of youth in agriculture. Abstract published in the compendium of National conference on revisiting agricultural Extension strategies for enhancing food and nutrition security , sustainable livelihoods and resilience to climate change held at Hyderabad	Mouneshwari R. Kammar, Biradar, A.P. Vidyavathi Yadahalli and Angadi 2017.	22-24/4/2017 PP: 50
	Impact of school nutrition garden on nutrient intake and knowledge of children. Abstract published in the compendium of National conference on revisiting agricultural Extension strategies for enhancing food and nutrition security , sustainable livelihoods and resilience to climate change held at Hyderabad	Mouneshwari R. Kammar, Biradar, A.P. Vidyavathi Yadahalli and Angadi 2017.	22-24/4/2017. PP: 86
	Nutrient management in Direct Seede Rice in TBP area. Abstract published in the compendium of National conference on revisiting agricultural Extension strategies for enhancing food	Vidyavathi Yadahalli , Mallikarjun Kenganal, M.R.Kammar, Amaresh Y. S. Chavan and Sujay H. 2017	22-24/4/2017.PP:122-123

	and nutrition security , sustainable livelihoods and resilience to climate change held at Hyderabad		
	Nutrient management in Direct Seede Rice in TBP area. Abstract published in the compendium of National conference on revisiting agricultural Extension strategies for enhancing food and nutrition security , sustainable livelihoods and resilience to climate change held at Hyderabad	Vidyavathi Yadahalli , Mallikarjun Kenganal, M.R.Kammar, Amaresh Y. S. Chavan and Sujay H. 2017.	22-24/4/2017.PP:53
News letters	January to July 2017		
Technical bulletins			
Popular articles	Unity is strength: A success story of Kaladagi fruit growers association.	Mouneshwari R. Kammar and A.P Biradar, 2017	Krishi Munnade 30(7):31-32
	Vertical garden: Hope and essentiality of Future	Mouneshwari R. Kammar and A.P Biradar, 2017.	Krishi Munnade 30(5): 26-28
	A success story of farmer Hanamantappa Yamanal	Mouneshwari R. Kammar and A.P Biradar, 2017.	Krishi Munnade 30(6): 34-35
	A success story of Parasappa Hunnur; IFS farmer.	Mouneshwari R. Kammar. And A.P. Biradar 2017	Krishi Kamadhenu 9(12):31-34
	Value added products of Sorghum for food security.	Vanishree S. and Mouneshwari R. Kammar 2017.	Krishi Kamadhenu 10(1):31-34
	Vaividhyamaya belegal Besayadalli Geluvu. Vijay Karnataka	M.R.Kammar, A.P Biradar and Vidyavathi G.Y. 2017.	20/6/2017. Page 3.
	Naukari toredu khushi krishikanada Praveen.	Airadevi P. A and Mouneshwari R. Kammar. 2017.	Krishi Munnade 30(12): 34-35.
Extension literature	Kuri/Mekegalu Rogagalu mattu avugala niyantrana	Mahesh Kadagi, Mouneshwari R Kammar, Airadevi P Angadi,Dineshkumar S.P., Sudha S. Siddappa C Angadi	500, January 2018
	Kadale Beleyalli Samagra Peede Nirvahane	Dineshkumar S.P.,Mouneshwari R Kammar,Sudha S,Airadevi P Angadi, Kumara B.H., Siddappa C Angadi.	500, October 2017
	Togariyalli Samagra Peede Nirvahane	Dineshkumar S.P.,Mouneshwari R Kammar,,Sudha S.,Kumara B.H., Siddappa C Angadi	500, November 2017
	Mannina Arogya Nirvahane	Kumara B.H., Airadevi P. Angadi, Mahesh Kadagi, Dineshkumar S.P.Sudha S. Siddappa C Angadi.	500, November 2017
	Aadhunika Navane Besaya Paddati	Mouneshwari R Kammar, Dineshkumar S.P., Sudha S.,Siddappa C Angadi.	500, August 2017.
	Gonne Hulivege Metarhizium emba maddau	Sudha S, Mouneshwari R Kammar, Dineshkumar S.P, Airadevi P Angadi, Kumara B.H. , Mahesk S.K	500, November 2017
	Navane Beleya Aadhunik Besaya kramagalu hagu moulyavardhane	Mouneshwari R Kammar, Dineshkumar S.P., Sudha S.,Siddappa C Angadi.	500, August 2017
	Mannina Arogyada Mahatva	S.C.Angadi, Mouneshwari R	500, December 2017

		Kammar, Dineshkumar S.P., Sudha S.	
Others (Pl. specify)			
TOTAL			

10.B. Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD/ Audio-Cassette)	Title of the programme	Number
1	**DVD**	**Sankalpa Se Siddhi Programme**	**01**
2	**DVD**	**International soil day**	**01**

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).

This will be considered only with suitable photos for further reporting/reference.

The Broad outline for the case study may be

Title 1: Integrated Farming System

Background

Name of the Farmer: Dundappa Yankappa Halli

Date and Place of Birth: 01-06-1951, Kundargi, Bagalkot, Karnataka

Postal address: Kundargi, Taluk: Bilagi, **Dist**: Bagalkot-587204

Educational Qualification: B.A.

Interventions

Vermicompost, Vermiwash, Hydroponic Fodder system , Azolla unit, Beekeeping
Poultry Farming, Fisheries

Resources Owned or leased in by Farmer:

i) Land (ha)- 6.8 Hectare
ii) Irrigated area (ha) – 6.8 Hectare
iii) Water bodies with irrigation capacity -Pond, River, Bore well
iv) Animal resources including Fish and Poultry
Cattle -20,
Poultry-100, Fish, Rabbit-40
v) Farm Machinery - Tractor, Power Tiller, Power Weeder, Flour Mill, Sowing Implements, HDPE Sprayers, Chaff Cutter, Harvesters

Agriculture and allied activities (Area/no along with variety/breed)

i) Field Crops: Cereals- Jowar, Maize , Wheat , Barley
Pulses -Green Gram, Pigeon Peas, Chickpeas
Commercial crops- Sugarcane, Cotton
Oil Seeds – Ground nut, Sunflower, Soya bean
ii) Horticultural Crops: Lemon, Banana, Tomato, Brinjal, Radish, Sapota, Mango, Coconut, Onion, Guava
iii) Agro Forestry: Teak, Neem , Acacia ,Gliricidia , Moringa
iv) Dairy- Khilari Cow-8, Khilari Bulls-2, Surthi Buffalo -12

v) Sheep & Goat unit : Sheep-10 & Goat-5
vi) Backyard Poultry -100 (ND-50, Giriraj-50)
vii) Rabbitry-40
viii) Farm pond and Fisheries- Rohu, Catla (300 each)
Xi) Sericulture
X) Beekeeping.

Innovative Technologies/Scientific Practices
Adopted: Vermicompost pits -14, Vermiwash, Inter Cropping, Multi Cropping, Hydroponic Fodder system , Drip Irrigation.

Modified: Lemon Grading System, Evaporative cooling system in sericulture, Usage of Butter milk for fungal infections in crops.

Developed: Time saving handy tool for binding plastic montages in Sericulture.

Impact

Horizontal Spread

Spread of innovation among fellow farmers:-

a) Introduced homemade lemon grading system to fellow farmers
b) usage of Silkworm excreta and rabbit droppings along with Cow dung in production of vermicompost.
c) Usage of Neem oil with emulsifier to control sucking pests.
d) Usage of predator insects like Nesolynx thymus, ladybug. One lady bug eats 50-60 aphids in a day 5000 in a life time.

The contribution of farmers in terms of
i) **New package of practices/management strategies**–Strip cropping, Relay cropping, Inter cropping, Innovative technology adoption in sericulture and in animal husbandry components and on farm production of organic inputs
ii) **Saving of resources/inputs**– Costs likely to incur on Seeds, Fertilizers and Plant Protection Chemicals saved practice wise and crop wise
iii**) other**–Cost saving recycling of bio resources and all the weeds are utilized for composting and bioagents and microbial consortia are used for rapid decomposition and enrichment of manure produced on the farm

Activity Wise Income

Sl. No.	Type of Crops	Gross Income	Expenditure	Net Income
1)	Field Crops: Sugarcane, Jowar, Maize, Wheat, Barley, Green Gram , Ground nut, Soyabean	10.00Lakh	5 .00Lakh	5.00Lakh
2)	Horticulture Crops: (Lemon, Banana, Tomato, Mango, Coconut, Sapota, Guava, Brinjal, Radish)	10.00Lakh	3 .00Lakh	7.00Lakh
3)	Agro-Forest (Teak, neem)	2 .00Lakh	10,000/-	1.90Lakh
4)	Sericulture	9 .00Lakh	2 .00Lakh	7.00Lakh
5)	Dairy	3 .00Lakh	1 .00Lakh	2.00Lakh

6)	Fisheries	10,000/-	1 ,000/-	9 ,000/-
7)	Poultry	1 .00Lakh	10,000/-	90,000/-
8)	Sheep & Goat	2 .00Lakh	50,000/-	1.50Lakh
9)	Rabbit	30,000/-	10,000/-	20,000/-
10)	Bee keeping	30,000/-	10,000/-	20,000/-
	Total	**37,70,000/-**	**11,91,000/-**	**25,69,000/-**

Employment Generation: A total of forty members work in their farm throughout year

2. Title: The taste of Success through Integrated Farming System

Background Sri. Sadashiv M. Bangi from Jagadal village from Jamakhandi taluka was in contact with KVK since five years. He has got about 19.03 ha irrigated land. Since there was irrigation facility he could have gone for sugarcane which is the dominant crop of the district. But he decided to opt for integrated farming system under the guidance of KVK. He is having Dairy with 17 animals, mechanized farming to overcome labour problem. He is also operating machines with animals and tractors.

Interventions .
KVK has guided him to undertake components of integrated farming system such as dairy, fishery, vermiculture, sericulture, apiculture, and he has also adopted rain water harvesting system.

Process:
Through front line demonstrations, Advisory services, trainings, method demonstrations the above said technologies were adopted by him.

Technology:
KVK has guided him to adopt technologies for integrated farming system- vermiculture, Fisheries, Sericulture, apiculture , agro forestry, rainwater harvesting system, water saving technologies , recycling of wastes to prepare biogas for home utility. He is also practicing soil test based nutrient management for his farm. He is also an innovative farmer to adopt single eye bud set planting in sugarcane. Since he is cultivating onion, to get the good price when there is market demand, he has designed his own onion storage structure.

Impact

Horizontal Spread: Many farmers in his vicinity have started adopting the components of integrated farming system. The impact of this is already shown now that, many farmers in this taluka have been identified as progressive farmers, best youth farmers, best district farmer from the university of Agricultural Sciences, Dharwad, namely Dhareppa Kittur, Parasappa Hunnur, Shrikant Kumbar.

Economic gains:
From Kharif crops he has obtained profit of 25 lakhs by adopting agri+horti cropping system, from rabi 12 lakhs, from animal husbandry 1.23 lakhs. Thus total of 38.23 lakhs per year.

Employment Generation:
Entire family members of his family are engaged throughout the year. He is practicing market demand based sales technique which has given him the good returns. Joint family sytem has made him to depend less on the

Title 3: Innovative Horticulture technologies through organic farming

In todays scenario it is very common to see educated youngsters moving from rural areas to urban area in search of job. But in a rear case, a man returned from good salaried job in a metropolitan city to his native village to pursue agriculture as his life's career.

Praveen's father was army person, later after his retirement he purchased 12 acres of agriculture land in Janamatti village of Bagalkot district. Praveen did his master's in Geology, M.Phil and also completed B.Ed., GIS and Spoken English training. Hence he was appointed in ISRO, Dehradun as scientist with the pay of Rs.50,000 per month. But there came a turning point in his life when he analysed himself, that being away from parents and leading a stressful life at Dehradun was not for which he was made for. Due to his interest in agriculture, he then decided to return back to his village and make agriculture as his career.

Interventions & Process .

He entered agriculture with a cultivation of marigold in 8 acres of land, which was a contract farming with a company of organic marigold cultivation. Here the price of the flower to be sold was fixed. Marigold being a short duration annual crop, total cost of cultivation spent was upto Rs. 8 lakhs as marigold is a labour intensive crop, because of contract farming assured income of Rs. 4 lakh as net profit was obtained just within 100 days of short span.

Later he decided to plant wine variety of grapes in 4 acres of land under drip irrigation. Initial investment done for grape cultivation was Rs. 2,30,000. To reduce the pesticide load for grape due to downy mildew and powdery mildew, he started spraying sour buttermilk stored in copper vessel. Sugarcane trash waste was used as mulch for grape plants. Good grape yield was obtained and he could income of 4,20,000.

Technology:

Organic farming is a eco-friendly and cost effective approach when compared with conventional farming. Praveen understood this and started growing wheat in organic way in collaboration with University of Agricultural Sciences, Dharwad. He was able to harvest about 9 quintal/acre of organic wheat.

Integrated farming system involving diary, goat farming, fodder cultivation, hydroponics, azolla cultivation, vermicompost, Bioigester and Biogas units were the components in his farm. He is of the opinion that farming alone will not be sustainable without integrated farming approach. With all these farming approaches, it was possible to obtain less cost of cultivation and more profit. Due to his untiring efforts he was awarded as Yuva shresta Krushika for the year 2017 by University of Agricultural Sciences, Dharwad.

Impact:

Horizontal Spread: Many of the neighbouring farmers adopted his technologies and reduced cost of cultivation, eco friendly approach, gave higher yield and increased income.

This indicates that it is possible to double farmer income by following integrate steps in agriculture, having multiple crops, multiple enterprises in any farm and applying atleast 50 percent fertilizers in organic form. Hope this case study encourages many more farmers to have planned and timely farming and use of all the available resources in an efficient way.

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

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

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

- Identification of courses for farmers/farm women
- Rural Youth
- Inservice personnel

10.G. Field activities

i. Number of villages adopted
ii. No. of farm families selected
iii. No. of survey/PRA conducted

10.H. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab **:** Laboratory was established under Govt. of Karnataka grants during 2009

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

Sl. No	Name of the Equipment	Qty.	Cost
1	2 KVA Voltage stabilizer	01	
2	Commercial Gas stove	01	
3	Regulator	01	
4	Digital conductivity meters	01	
5	Analytical Balance	01	
6	Refrigerator 300 litre	01	
7	Orbital shaking incubators	01	
8	Controller based pH meter	01	
9	Hot water baths	01	
10	Plant sample grinder	01	
11	Screw auger	01	
12	Magnetic stirrer with hot plate 5 lit capacity	01	
13	Electronic Kelplus Microprocessor	01	
14	Electronic Kelplus Auto sequencingMicroprocessor		
15	Electronic Titration system		
16	Ass , Pinade 500 touch HSN Machine	01	
17	Flame Burner	01	
18	Instrument pinade 500 base unit	01	
19	Kit pinade 500 touch ACS	01	
20	Powercand west asian India	01	
21	Host Assy- Acetylen Rod	01	
22	Acetelyne filter Assy	01	
23	Filter Assy – W/R 250 regulator guage	01	
24	Hose Assy Air/ Argon	01	
25	Fe Lumina HCL	01	
26	Zn Lumina HCL	01	
27	Cu Lumina HCL	01	
28	Mn Lumina HCL	01	
29	Lenova M83 Win Z-66	01	
30	19” LCD Monitor wide screen	01	
31	Accupipet variable volume pipette	01	
32	Bottle Top Dispenser Research model fully actoclavable(5-60ml)	01	
33	Water Softner	01	
34	3 Way Tap brass and chrome plated	01	
35	Mridaparikshak soil testing Kit (Mini Lab)	01	
36	Voltas Make Split Air condition	01	
37	Uv Spectrophotometer (Brand Lasany International)	01	
38	Plant Digestion Sysytem (Kjedhal Digistion System)	01	
39	Ph Photometer	01	

40	Spilt Air Conditoiner	01	**36799.98**
41	Steel plates and nut bolt	16 and 128	**6514.00**

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.)
Soil Samples	**14188**	**5560**	**3181**	**2,83,5400**
Water Samples	**4650**			
Plant samples				
Manure samples				
Others (specify)				
Total				

Details of samples analyzed during the 2017-18:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	**2869**	**1101**	**625**	**581100**
Water Samples	**709**	**688**	**421**	**35450**
Plant samples				
Manure samples				
Others (specify)				
Total	3578	1789	1046	616550

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
-	-	-	-	-	-	-

10.I. Technology Week celebrationduring 2017-18 Yes/No, If Yes No

Period of observing Technology Week: From to
Total number of farmers visited :
Total number of agencies involved :
Number of demonstrations visited by the farmers within KVK campus :

Other Details

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies			
Lectures organized			
Exhibition			
Film show			
Fair			
Farm Visit			
Diagnostic Practicals			
Supply of Literature (No.)			
Supply of Seed (q)			
Supply of Planting materials (No.)			
Bio Product supply (Kg)			
Bio Fertilizers (q)			
Supply of fingerlings			
Supply of Livestock specimen (No.)			

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Total number of farmers visited the technology week			

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		
Total		

C. Farmers-scientists interaction on livestock management

State	Livestock components	Number of interactions	No.of participants
Total			

D. Animal health camps organized

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

E. Seed distribution in drought hit states

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

F. Large scale adoption of resource conservation technologies

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

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
Total												

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./Unit)	After (Rs./Unit)
SSI Method in Sugarcane	65	45	80,000/ha	1,25,000/ha
ICM in Sugarcane	120	70	68,000/ha	1,18,000/ha
ICM in Wheat	120	62	45,000/ha	66,000/ha
ICM in Chickpea	75	42	30,000/ha	47,000/ha
ICM in Groundnut	115	55	30,000/ ha	40,000/ ha
ICM in Sunflower	135	47	25,000/ ha	35,000/ ha
Introduction of high yielding improved Dicoccum wheat varieties	60	85	40,000/ ha	55,000/ ha
Adoption of new onion variety Arka Kalyan	250	75	20,000/ ha	35,000/ ha
Improved livestock management	80	40	2,500/ cow	4,500/ cow
Azolla cultivation and feeding	70	30	2,000/ cow	2,500/ cow
Popularization of fodder varieties	120	65	1,200/animal	1,800/animal
Seed production	15	100	8,000/Acre	15,000/Acre
Grading of Onion bulbs	5	100	16,000/ ha	20,000/ ha
Application of pre emergence weedicide in Sugarcane	85	60	55,000/ ha	60,000/ ha
Micronutrient application in Sugarcane	50	70	80,000/ ha	1,00,000/ ha

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)

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Adoption of new Onion variety Arka Kalyan	90	85	16000	41000
Demonstration of ICM practices in Sugarcane	95	65	20000	30000
ICM practices in Wheat	85	75	9000	14000
ICM in Redgram	70	50	6500	8500
ICM In Rabi Sorghum	45	30	3500	9000
Insitu vermiclturing	80	10	5000	6500
Dairy technology	50	5	5600	6500
Intercropping of pigeonpea and soybean	25	5	10000	12000

PART XII - LINKAGES

12.A. Functional linkage with different organizations

Name of organization	Nature of linkage
University of Agricultural Sciences, Dharwad	Technical Resource / Guidance
University of Horticultural Sciences, Bagalkot	Technical Resource / Guidance
Karnataka State Department Of Agriculture	Identification of beneficiaries for trainings and joint diagnostic survey, Meetings
Agriculture Research Station	Technical Resource and exposure visits
Karnataka State Department Of Horticulture	Joint diagnostic survey, Meetings, Trainings to the farmers and extension functionaries, implementation of NHM activities, NHB
Karnataka State Forest Department	Joint diagnostic survey, Meetings, Trainings, Participation in Vanamahotsava etc.,
Syndicate bank Bagalkot (Lead Bank)	SHGs, Financial assistance
SBM Bagalkot	SHGs, Financial assistance
SBI Bagalkot	SHGs, Financial assistance
Corporation Bank Bagalkot	SHGs, Financial assistance,
District statistical department	Statistical data collection
All higher secondary schools and collages	Trainings and extension activities (Youths)
District Social forestry office	Integrated waste land development programme, JFPM project, Meetings
NABARD	Agriculture and rural credit assistance, Farmers club
Pest control of India	Supply of bio-control agents
Irrigation department	Soil and water conservation
Sericulture department	Technical resource, Identification of beneficiaries for trainings and joint diagnostic survey, Meetings
Animal Husbandry	Technical assistance, IFS
BEC STEP	Technical assistance in post harvest technology
RUDSET	Assistance in taking entrepreneurship
BASIX (NGO)	Technical Resource / Guidance, Technical assistance to farmers
SEARCH	Technical Resource / Guidance, Technical assistance to farmers
OUTREACH	Technical Guidance and Seed production

IGFRI, Dharwad	Fodder seed production
Sugar Factories in the district	Technical Resource / Guidance, Technical assistance to Extension personnel and farmers
JSYS, Bagalkot	Technical assistance and training
Karnataka Milk Federation, Bagalkot	Technical assistance and training
Karnataka Farmers Resource Centre, Bagalkot	Technical assistance and training

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

Name of the scheme	Date/ Month of initiation	Funding agency	Amount (Rs.)

12.C. Details of linkage with ATMA

a) Is ATMA implemented in your district Yes/No

If yes, role of KVK in preparation of 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**				
02	**Research projects**				
03	**Training programmes**	**Ballari district farmer were trained at KVK Bagalkot under ATMA Scheme on (63 farmers)**	**01**	**01**	**17-11-2017**
04	**Demonstrations**				
05	**Extension Programmes**				
	Kisan Mela				
	Technology Week				
	Exposure visit				
	Exhibition				
	Soil health camps				
	Animal Health Campaigns				
	Others (Pl. specify)				
06	**Publications**				
	Video Films				
	Books				

	Extension Literature				
	Pamphlets				
	Others (Pl. specify)				
07	**Other Activities** (Pl.specify)				
	Watershed approach				
	Integrated Farm Development				
	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**	3				**2**		5	18816
May 2017	**Text**	**2**				1		3	11763
June 2017	**Text**	**3**	**1**		**1**	**1**		6	23469
July 2017	**Text**	**2**						2	7821
August 2017	**Text**	**1**			**1**	**1**		3	11761
September 2017	**Text**	**1**	**1**		**1**			3	11528
October 2017	**Text**	**1**			**1**	**1**		3	54436
November 2017	**Text**	**1**			**1**	**1**		3	163319
December 2017	**Text**	**2**						2	54436
January 2018	**Text**	2						2	163308
February 2018	**Text**	**2**						2	520657

March 2018	**Text**	**1**			**1**	**1**		3	18816
Total		**21**	**2**		**6**	**8**		37	1060130

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	Vermicompost	2017-18							
2	Vermiwash	2017-18							
3	Azolla Unit	2017-18	1 gunta	Azolla pinnata	53	kg	3500	5300	
4	Biodigester	2017-18							

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									
Sorghum	18.11.2017	14.04.2018	0.8	M35-1	C/S	20.64	2100	97800	
Foxtail Millet	06.07.2017	10.11.2017	0.4	DHFt-109-3	C/S	3.0	200	6655	
Pulses									
Bengalgram	22.11.2017	12.04.2018	2.0	JG-11	B/S	21.0	17000	127152	
Bengalgram	22.11.2017	12.04.2018	0.8	JG-11	C/S	5.5	19210	41250	
Redgram	21.06.2017	05.01.2018	0.8	TS-3R	C/S	19.0	9530	93600	
Oilseeds									
Soybean	21.06.2017	25.10.2017	1.6	JS-335	B/S	13.29	25000	-	Stock in hand
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits									
Vegetables									
Onion			1.6	Arka Kalyan	C/S	6.12	3000	117600	4.98 qtl stock in hand
Others (specify)									

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

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	

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	
1	Dairy farm	HF cross breed	Milk	3569.25	70,000=00	107077.50	
2	Fish	Common carp	Fish	18 kg	600	800	

13.E. Utilization of hostel facilities

Accommodation available (No. of beds) : 25

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
April 2017	00	00	
May	00	00	
June	00	00	
July	00	00	
August	07	63	
September	00	00	
October	30	03	
November	60	06	
December	05	11	
January 2018	18	03	
February	33	04	
March	153	90	

13.F. Database management

S.No	Database target	Database created
1	Farmer database	

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

Amount sanction (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 Training programmes	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		

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 KVK	State Bank of India, Bagalkot	Bagalkot	812	Revolving Fund	36951067025	587002002	SBIN0000812
With KVK	State Bank of India, Bagalkot	Bagalkot	812	KVK Account	36905791678	587002002	SBIN0000812
With KVK	State Bank of India, Bagalkot	Bagalkot	812	Pulse seed hub	36905783179	587002002	SBIN0000812

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

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	69,70,000		69,70,000
2	**Traveling allowances**	160000		1,21,646
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	3,40,000		3,05,262
B	POL, repair of vehicles, tractor and equipments	2,60,000		2,34,363
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	1,15,000		66,410
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	70,000		48,787
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	2,80,000		2,65,880
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	68,000		67,749
	Training of Extension Activities	1,00,000		
G	Training of extension functionaries	30,000		
H	IFS	33,000		15,480
I	FFS	30,000		29,076
J	EDP	10,000		6996
K	Display Boards	-		
L	Maintenance of buildings	1,00,000		0
M	Soil and Plant heath clinic (Soil & Water Testing & issue of soil health cards)	25000		24,140
N	Library	5,000		3310
TOTAL (A)		**86,14,000**		**86,14,000**
B. Non-Recurring Contingencies				
1	**Works**			
2	**Equipments including SWTL & Furniture**			
3	**Vehicle** (Four wheeler/Two wheeler, please specify)			
4	**Library**			
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**86,14,000**		**86,14,000**

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2015 to March 2016	13,65,411.30	18,72,670=44	15,21,079=00	17,17,002=00
April 2016 to March 2017	17,17,002.44	32,75,470.00	16,33,881.00	33,58,591.44
April 2017 to March 2018	33,58,591=44	1796057=00	15,65,801=76	35,88,846=68

15. Details of HRD activities attended by KVK staff

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Dr. Sudha S	**Scientist (Plant Pathology)**	Improving Agricultural Extension and Advisory services	MANAGE Hyderabad	14.04.2017 to 21.04.2017
		Induction Training progrmme for newly recruited Asst. Professor	UAS, Dharwad	24.04.2017 to 06.05.2017
		Orientation programme for newly recruited KVK Scientist at ICAR KVK Gadag	ATARI,Bangalore	10.08.2017 to 12.05.2017
		One day Orientation programme on registration of microbial inoculatns	UAS, Dharwad	29.08.2017
		Innovative strategies for diagnosis and management of plant diseases ISDMPD	UAS, Dharwad	08.12.2017 to 28.12.2017
		Latest and emerging technologies of NBAIR, Bangalore	Bangalore	05.02.2017
Dr. Airadevi Angadi	**Scientist (Horticulture)**	Orientation programme for newly recruited KVK Scientist at ICAR KVK Gadag	ATARI,Bangalore	10.08.2017 to 12.05.2017
		Early Career motivation course for Assistant professor facultry	UAS, Dharwad	26.11.2017 to 30.11.2017
		HRD training for one day for KVK, Scientist Horticulture	IIHR Bangalore	09.02.2018

		CAFT training –Exploitation and conservation of plant genetic resources in major, minor and under exploited vegetables		03.01.2018 to 23.01.2018
Dr. Mahesh S.K.	**Scientist (Animal Science)**	Orientation programme	NIANP, Bangalore	6/02/18
Dr. Dinesh Kumar S.P	Scientist (Agronomy)	Induction training programme for newly recruited assistant professor cadre of UAS,Dharwad	UAS,Dharwad	24.04.2017 to 06.05.2017
		Training programme on " Orientation on the GOI Schemes for promoting convergence inATMA for Agri and Allied sector extension officers" at MANAGE Hyderabad	MANAGE Hyderabad	29.05.2017 to 31.05.2017
		Orientation programme for newly recruited KVK Scientist at ICAR KVK Gadag	ATARI,Bangalore	10.08.2017 to 12.05.2017
		One day orientation to soil science/ Agronomy scientist of Karnataka KVKs	ATARI,Bangalore	NBSS &LUP Bengaluru
Dr. Kumara B.H.	Scientist (Soil Science)	Orientation programme for newly recruited KVK Scientist at ICAR KVK Gadag	ATARI,Bangalore	10.08.2017 to 12.05.2017
		Early Career motivation course for Assistant professor facultry	UAS, Dharwad	26.11.2017 to 30.11.2017

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