PROFORMA FOR ANNUAL REPORT 2016-17

(FOR THE PERIOD APRIL 2016 TO MARCH 2017)

KRISHI VIGYAN KENDRA (BAGALKOT)

PART I - GENERAL INFORMATION ABOUT THE KVK

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

KVK Address	Telephone		E mail	Web Address
	Office	FAX		
Krishi Vigyan Kendra, Bagalkot – 587 101	**08354 – 223543**	**08354 – 223543**	**kvkbgk@rediffmail.com**	**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. A.P.Biradar	**Krishi Vigyan Kendra, Bagalkot - 587 101**	**94484 95347**	**kvkbgk@rediffmail.com**

1.4. Year of sanction: June 2005

1.5. Staff Position: Table enclosed (Page 3)

1.5. Staff Position (as 31st March 2017)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M/ F	Discipline	Highest Qualification (for PC, SMS and Prog. Asstt.)	Pay Scale	Basic pay	Date of joining KVK	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Sr. Scientist & Head	Dr.A.P.Biradar	Sr. Scientist & Head	M	Agri. Entomology	M.Sc (Agri), Ph.D.	37,400-67000 GP 9000	59,920	01-08-2015	Permanent	**GM**
2	Scientist	Dr. Dinesh Kumar S.P	SMS	M	Agronomy	M.Sc (Agri), Ph.D.	15600- AGP 6000	21,600	15.02.2017	Permanent	SC
3	Scientist	Dr. S.V.Hugar	SMS	M	Ag.Entomology	M.Sc (Agri), Ph.D.	15600- AGP 6000	21,600	16.02.2017	Permanent	OBC
4	Scientist	Dr. M.R. Kammar	**SMS**	F	Home Science	M.Sc (Agri), Ph.D.	15600- AGP 6000	21,6000	17.02.2017	Permanent	GM
5	Scientist	Dr. V.G.Yadahalli	SMS	-	Soil Science	M.Sc (Agri), Ph.D	15600- AGP 6000	21,600	17.02.2017	Permanent	GM
6	Scientist	Dr.Sudha	SMS	F	Plant Pathology	M.Sc (Agri), Ph.D	15600- AGP 6000	21,600	03.04.2017	Permanent	SC
6	Scientist	Vacant	SMS	M	Animal Science	-	-	-	-	-	-
7	Programme Assistant (Lab Tech.)/T-4	Mr. Siddappa C. Angadi	Prog Asst. (Soil Science)	M	Agri. Extension	M.Sc (Agri)	9300-34800 + 4200	16,660	18.12-2008	Permanent	GM
8	Programme Assistant (Computer)/ T-4	Mr. Majeed G.	Prog Asst. (Computer)	M	Computer Application	M.C.A.	9300-34800 + 4200	14,760	30-09-2013	Permanent	OBC
9	Farm Manager	Mr. Arjun R Sulagitti	Farm Manager	M	Agri. Entomology	M.Sc(Agri)	9300-34800 + 4200	13,910	10.07.2015	Permanent	OBC
10	Assistant	Mr.F.C.Nadaf	Assistant	-	-	-	16000-29600	21,000	13.08.2016	-	OBC
11	Jr. Stenographer/Typist	-	Typist	F	Office Automation	-	-	-	-	-	-
12	Driver	Mr. Anand Patil	Driver (Light vehicle)	M	Driver	S.S.L.C	11600-21000	12,000	16.02.2015	Permanent	GM
13	Driver	Vacant	-	-	-	-	-	-	-	-	-
14	Supporting staff	Mr.F.M.Talawar	Asst.Cook. Cum Care taker	M	Cook Cum Caretaker	S.S.L.C.	12000-20000	12,500	16.11.2016	Permanent	OBC
15	Supporting staff	Smt. Renuka N. Arawatagi	Farm Labour	F	Farm Labour	S.S.L.C	9600-14550	10,600	07-10-2011	Permanent	GM

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	-	-	-
4.	Demonstration Units	-	-	-	-	-	-	-
5	Fencing	-	-	-	-	-	-	-
6	Rain Water harvesting system	-	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-

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) Equipments & 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

1.8. Details SAC meeting conducted in 2016-17

Sl.No.	Date	Number of Participants	No. of absentees	Salient Recommendations	Action taken
1.	13-06-2016	30	-	-	-

Proceedings of the 16th Scientific Advisory Committee Meeting at KVK, Bagalkot on 13-06-2016

Sl. No	Major recommendations	Suggestion made by	Status of action taken in brief
1	It is suggested to give data on action taken for suggestion recommended by Scientific Advisory Committee	Dr. V.I.Benagi Director of Extension, UAS, Dharwad	Accordingly data will be presented in SAC meetings
2	It is suggested to write article in Krishi Munnade magazine and encourage 1000 farmers to become members for the magazine.	Dr. V.I.Benagi Director of Extension, UAS, Dharwad	Around 200 farmers are members for the krishi munnade magazine and article are also written in Krishi Munnade magazine by KVK Scientists
3	It is suggested to provide Azolla culture to the farming community of the district by the Azolla production unit established at KVK Bagalkot	Sri. Tuppada Vice president, zill krishika Samaj, Bagalkot	Accordingly Azolla culture is being sold to needy farmers and they are cultivating azolla on their own, the same technology is being displayed at Krishi Mela at UAS, Dharwad, Totagarike Mela, UHS, Bagalkot , field day at KVK Bagalkot.
4	It is suggested to spread the terrace garden technology to farm womens in association with UHS, Bagalkot	Dr. S.N. Hanchinal Director, STEP, Bagalkot	Accordingly terrace garden unit is established at KVK Bagalkot. The farm women visiting KVK Bagalkot are trained about terrace gardening.
5	It is suggested to conduct the programme for management of nematode in lime and use of neem cake to be intensified and submit report on different nematode varieties	Dr. V.I.Benagi Director of Extension, UAS, Dharwad	This activity will be undertaken during 2016-17 summer.
6	It is suggested to propagate the technology and varieties released by university and brings publication in this regard.	Dr. V.I.Benagi Director of Extension, UAS, Dharwad	The New varieties and technology released by university is propagated to farming community in various training programme conducted by KVK, Bagalkot. The process of publication is under progress.
7	It is suggested to bring awareness on use of weedicide among onion crops growers of the district to overcome labour shortage problems in krishi	Sri. Tuppada Vice president, zill krishika Samaj, Bagalkot	Accordingly wide publicity is given in Krishi Abhiyaan by KVK Scientists. In this regard ICM in Onion training programme was conducted at

	Abhiyaan Programmes.		KVK Bagalkot.
8	It is suggested to give advice on management of nutrients to overcome the mites in coconut of the district.	Farmer representative	The suggestions were given to farmers.
9	As the Sugarcane is main crops in the district, it is suggested to give publicity to cultivate the non arrowing sugarcane variety among the farmers. .	Dr. V.I.Benagi Director of Extension, UAS, Dharwad	Accordingly this variety is demonstrated as a Front Line Demonstration in 10 farmers field.
10	It is suggested to give emphasis on different skill based training for youths.	Dr. V.I.Benagi Director of Extension, UAS, Dharwad	Accordingly farmers were trained regarding vermicompost, hydroponics, vermiwash, dairy technology, Azolla production, bio pesticides productions, seed production and horticulture nursery during 2016-17.
11	It is suggested to form a fodder crops cafeteria at Krishi Vigyan Kendra, Bagalkot	Dr. Shivakumar Head, IGFRI, Dharwad	Accordingly fodder crop cafeteria is established at KVK Bagalkot
12	It is suggested to establish fodder banks of different at least in 10 guntas area in all direction of the district.	Dr. Shivakumar Head, IGFRI, Dharwad	Efforts are being made to encourage the farmers to grow fodder banks, KVK Bagalkot conducted demonstration on fodder crop.
13	It is suggested to inter cultivation of foxtail, soybean with pigeon pea crops.	Dr. V.I.Benagi Director of Extension, UAS, Dharwad	Accordingly FLD on intercropping of soybean and pigeon pea is conducted in 12 farmer's field. The pigeon pea and foxtail millet inter-cultivation demo was conducted at KVK Bagalkot.
14	It is suggested to present videos of achievements of Krishi Vigyan Kendra, Bagalkot in SAC Meeting	Dr.S.S.Guledagudda Associate Director of Extension, RARS,Vijayapur	Accordingly Rabi Field day video prepared.
15	It is suggested to raise fodder crops such as susbenia, subabul, anajan grass and Melia dubia along the road side at KVK Bagalkot	Dr. Shivakumar Pr.Scienist, ICAR IGFR, Dharwad	Accordingly the fodder crops have been established.

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 Buffalos 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. Rainfed (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 (2016-17)

Sl. No.	Crop	ANNUAL (KHARIF+RABI+SUMMER)								
		Irrigated			Rainfed			Total		
		Area	Prodn.	Yield	Area	Prodn.	Yield	Area	Prodn.	Yield
1	Rice	0	0	0	0	0	0	0	0	0
2	Jowar	16050	36063	2247	83200	83225	1000	99250	119288	1202
3	Ragi	0	0	0	0	0	0	0	0	0
4	Maize	66300	266450	4019	5500	11000	2000	71800	277450	3864
5	Bajra	3100	6200	2000	23200	29000	1250	26300	35200	1338
6	Wheat	19000	30400	1600	6000	4500	750	25000	34900	1396
7	M.Millets	0	0	0	0	0	0	0	0	0
I	**Total Cereals:**	104450	339113	3247	117900	127725	1083	222350	466838	2100
1	Tur	700	1050	1500	11200	11200	1000	11900	12250	1029
2	Bengalgram	12500	15625	1250	94000	70500	750	106500	86125	809
3	Horsegram	0	0	0	2000	400	200	2000	400	200
4	Blackgram	0	0	0	0	0	0	0	0	0
5	Greengram	200	160	800	38000	15200	400	38200	15360	402
6	Cowpea	900	480	533	900	315	350	1800	795	442

7	Avare	100	70	700	150	45	300	250	115	460
8	Mothbean (Madake)	0	0	0	400	120	300	400	120	300
II	**Total Pulses:**	14400	17385	1207	146650	97780	667	161050	115165	715
	Total Foodgrains:	118850	356498	3000	264550	225505	852	383400	582003	1518
1	Groundnut	25800	32875	1274	2000	1700	850	27800	34575	1244
2	Sesamum	0	0	0	1900	855	450	1900	855	450
3	Sunflower	12800	15785	1233	25500	19600	769	38300	35385	924
4	Castor	0	0	0	0	0	0	0	0	0
5	Niger	0	0	0	300	90	300	300	90	300
6	Mustard	0	0	0	0	0	0	0	0	0
7	Soyabean	3000	4500	1500	200	150	750	3200	4650	1453
8	Safflower	0	0	0	1500	600	400	1500	600	400
9	Linseed	0	0	0	2000	500	250	2000	500	250
III	**Total Oilseeds:**	41600	53160	1278	33400	23495	703	75000	76655	1022
IV	**Commercial Crops:**									
1	Cotton	1850	8575	4.64	450	1550	3.44	2300	10125	4.40
2	Sugarcane Planted	28400	2840000	100	0	0	0.00	28400	2840000	100
2a	Sugarcane Ratoon	86900	6517500	75	0	0	0.00	86900	6517500	75
3	Tobacco (VFC)	0	0	0	0	0	0.00	0	0	0
3a	Tobacco (Beedi)	0	0	0	0	0	0.00	0	0	0
	GRAND TOTAL	277600	0		298400	0		576000	0	

Source: Office of The Joint Directorate of Agriculture, Bagalkot

2.5. Weather data

Month	Rainfall (mm)	Rainy Days	Temperature ^{0} C		Humidity (Rh) %	
			Maximum	Minimum	Morning	After noon
January -16	**0**	**0**	**30.3**	**12.3**	**66**	**57**
February -16	**0**	**0**	**35.9**	**16.2**	**70**	**68**
March -16	**0**	**0**	**37.6**	**20.7**	**74**	**59**
April -16	**26.6**	**03**	**37.8**	**21.8**	**76**	**70**
May-16	**41.1**	**03**	**37.1**	**22.6**	**76**	**70**
June-16	**137.4**	**08**	**32.1**	**21.6**	**81**	**51**
July-16	**61.3**	**08**	**29.7**	**20.4**	**87**	**77**
August -16	**14.6**	**03**	**29.5**	**19.9**	**88**	**87**
September-16	**71.6**	**07**	**27.3**	**18.5**	**88**	**88**
October -16	-	**0**	**30.6**	**16.9**	**86**	**85**
November-16	-	**0**	**30.8**	**14.0**	**18**	**73**
December-16	-	**0**	**33.0**	**14.0**	**66**	**73**
January -17	-	**0**	**30.8**	**12.3**	**65**	**74**
February -17	-	**0**	**35.0**	**14.6**	**69**	**80**
March -17	**33.2**	**02**	**34.9**	**17.2**	**67**	**64**
Total	**385.8**	**34**				

- Average Rain fall of District 570 mm

Source : Agricultural Research Station, Bagalkot

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

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	-	-	-

District Statistical Information Office, Bagalkot Category	**Area**	**Production**	**Productivity**
Fish	-	-	-
Marine	-	-	-
Inland	-	-	-
Prawn	-	-	-
Scampi	-	-	-
Shrimp	-	-	-

District Statistical Information Office, Bagalkot

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	Low yield due to non availability of high yielding variety	750 ha	Rampur,Timmapur,Bilkerur	OFT, Trainings, Results demonstrations
2	Sugarcane	High cost on fertilizers , Low organic matter due to burning of trash/residues	25000 ha	Honnakatti, Mallapur	OFT, Trainings, Results demonstration
3	Chickpea	High cost and scarcity of labors, Low yield due to wilt, pod borer	2500 ha	Amingad, Sulibhavi,Kelur	OFT, Trainings, Results demonstration
4	Pigeon pea	Low yield due to Powdery mildew	500 ha	Hallur, Bevoor	OFT, Trainings, Results demonstration
5	Pomegranate	Low yield due to wilt	150 ha	Sanshi, Kaladagi	OFT, Trainings, Results demonstration
6	Chick pea	Injury to palms due to pricking Reduction in labor efficiency	15000 ha	Hallur, Bevoor,Bhagavati	OFT, Trainings, Results demonstration
	FLD's				
1	Sorghum	Low yielding – local variety	1200 ha	Amingad,Rakkasagi,Bannihatti	FLD, Trainings, Field Day
2	Wheat (Dicoccum)	Low yield due to use of local variety (15-20%) Weed infestation	200 ha	Kunchnur, Jaknur, Ningnur, Amalazari,Melligeri	FLD, Trainings, Field Day
3	Sugarcane	Low yield due to flowering	8,000 ha	Kundaragi, Janamatti Arakeri	FLD, Trainings, Field Day
4	Foxtail millet	Farmers are unaware about the nutritional values of minor millets. Non availiabity of high yielding varieties of millets	40 ha	Malagi, Agasankoppa, Yeragoppa	FLD, Trainings, Field Day
5	Pigeon Pea + Soybean	Low soil fertility due to mono cropping of Sugarcane , water scarcity	2000 ha	Zunjarkoppa, Budni, Mantur	FLD, Trainings, Field Day

6	Sugarcane	Low yield due to root grub incidence water scarcity	2000 ha	Mannikeri, Sunaga, Honnakatti, Mugalolli	FLD, Trainings, Field Day
7	Vermiwash	High cost due to chemical inputs, low soil fertility	-	Madharkhandi, Sanal,Kumbarhalla	FLD, Trainings, Field Day
8	Pomegranate	Low yield due to disease incidence	550 ha	Sokkanadagi, Tulasigeri	FLD, Trainings, Field Day
9	Grape	Low yield due to DM & PM disease	250 ha	Savalagi, Todalbagi, Gadyal, Chikkalagi	FLD, Trainings, Field Day
10	Fodder	Scarcity of green fodder Low milk yield	5000 animals	Honnakatti, Kadamapur, Mallapur	FLD, Trainings, Field Day
11	Azolla	Deficiency of protein and minerals leads to low milk production , Low fat	5000 animals	Ramtal, Kamatagi, Ingalagi	FLD, Trainings, Field Day
12	Onion	Delayed rainfall, non availability of variety (late kharif), use of local variety without seed treatment, poor storability	2500 ha	Bennakatti, Basarikatii	FLD, Trainings, Field Day
13	Onion	Non availability of Better variety , use of local variety without seed treatment, poor storability	1000 ha	Honnakatti, Bennakatti, Basarikatti	FLD, Trainings ,Field Day
14	Lime	Low yield due to improper nutrient Management	150 ha	Kaladagi, Devnal, Nirbudhihal , Sokanadagi	FLD, Trainings ,Field Day
15	Terrace Garden	Less consumption of vegetables in daily diet ,Not making use of terrace roofs (90-95%	-	KVK, Bagalkot	Method Demonstration.
16	Nutritional Garden	Unavailability of fresh vegetables Making use of home backyard	-	KVK, Bagalkot	Method Demonstration.

2.9 Priority thrust areas

Sl. No	Thrust area
1.	Varietal introduction/ Demonstration
2.	Cropping system
3.	Integrated Management of Disease, pest and nutrient
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
03	03	20	20	12	12	124	124

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
50	36	1800	1331	20	14	1000	650

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
200	**164.7**	4000	2742

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
-	-	1500 kg	1335 kg

3.B1. Abstract of interventions undertaken based on thrust areas identified for the district as given in Sl.No.2.8

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.	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)		-	-	
3.	Varietal Evaluation	Chickpea	Citrus Canker	Assessment of Chickpea variety BGM-2,for mechanized harvesting	-	1	1	-	1	Seeds-JG-22 20 Kg Seeds-JAKI-9218 20 Kg Seeds GBM-2 20 Kg Mechanized harvesting cost for TO3 Rs.1500/ac	-	-	-	Trichoderma & Rhizobium 1 kg

4.	Varietal Introduction	Sorghum	Low yield due to use of local variety	-	Demonstration of new Sorghum variety (CSV29R)	1	1	1	1	Seeds : CSV-29R 3kg	-	-	-	
5.	Varietal Introduction	Dicoccum Wheat	Low yield due to use of local variety	-	Introduction of Dicoccum wheat varety	1	1	1	1	DDK-1029 60kg	-	-	-	
6.	Varietal Introduction	Foxtail	Low yield due to use of local variety	-	Introduction of foxtail variety DHFt-109	1	1	1	1	DHFt-109 3kg	-	-	-	
7.	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 chlorantranili prole 30 ml	-	-	-	
8.	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				
9.	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				

10.	Varietal introduction	Sugarcane	Low yield due to flowering		Introduction of non flowering sugarcane variety SNK 07680	2	2	4	3	Seed material: SNK 07680 Sets – 1 ton Carbendazim, – 250 gm Chlorpyriphos – 250 ml Attrazine – 1 Kg				
11.	Disease management	Grapes	Low yield due to downy and powdery mildew disease	-	Management of Downy Mildw and Powery Mildew disease in Grape	1	1	1	-	Captan + Hexaconazole (Taqat) 1000 g (2-3 spray)				
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.	Disease management	Lime	Low yield due to improper nutrient management		Demonstration of Citrus Special in Lime	1	1	1	-	Arka Citrus Special 10kg				
15.	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				

3.B2. Details of technology used during reporting period

S.No.	Title of Technology	Source of technology	Crop/enterprise	No.of programmes conducted			
				OFT	FLD	Training	Others (Specify)
1	2	3	4	5	6	7	8
1.	Assessment of Pigeon pea variety, GRG- 811	UAS Dharwa	Pigeon pea	5		2	Field day(1)
2.	Assessment of Chickpea variety GBM-2,	UAS Dharwad	Chickpea	5		2	
3.	Assessing the importance of in situ vermiculturing in Sugarcane trash decomposition	UAS Dharwad/Riachur	Sugarcane	10		3	
4.	Demonstration of new Sorghum variety, CSV 29-R in deep black soils of Bagalkot District.	UAS Dharwad/	Sorghum		25	1	
5.	Demonstration of Dicoccum Wheat variety, DDK 1029	UAS Dharwad	Dicococum wheat		12	1	
6.	Introduction of non-flowering Sugarcane variety,SNK-07680	UAS Dharwad	Sugarcane		10	2	
7.	Introduction of fox tail millet variety: DHFt 109-3	UAS Dharwad	Foxtail millet		10	1	
8.	Demonstration of Pigeon pea + soybean intercropping system in non traditional pockets of Bagalkot district	UAS Dharwad	Pigeon pea + Soybean		12	3	Field day (1)
9.	Integrated Disease Management in Pomegranate	UAS Dharwad	Pomegranate		15	1	
10.	Demonstration of high yielding multi-cut green fodder variety	UAS Dharwad	Fodder		10	2	
11.	Demonstration of Kharif onion variety Bhima Super	DOGR, Pune & UAS Dharwad	onion		5	1	
12.	Demonstration of Rabi onion variety Bhima Shakti	DOGR, Pune & Dharwad	onion		5	2	
13.	Demonstration of Nutritional Garden	UAS Dharwad	Nutritional Garden		5	2	
14.	Demonstration of citrus Arka Special in Lime	IIHR, Bengaluru	Lime		10	1	
15.	Management of Downy and powdery mildew disease in grapes	UAS,Dharwad	Grapes		10	2	

3.B2 contd..

	No. of farmers covered															
	OFT				FLD				Training				Others (Specify)			
	General		SC/ST		General		SC/ST		General		SC/ST		General		SC/ST	
	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1.	**4**	**1**	-	-	-	-	-	-	26	3	1	-				
2.	5	-	-	-	-	-	-	-	45	2	1	-				
3.	5	-	-	-	-	-	-	-	58	0	2	-				
4.	-	-	-	-	22	1	2		15	2	-	-				
5.	-	-	-		11	1	-		10	2	-	-				
6.	-	-	-	-	10	-	-		45	2	-					
7.	-	-	-	-	7	-	3		10	1						
8.	-	-	-	-	4-	1	-		157	10	2	3				
9.	-	-	-	-	3	1	1		32	2	1	1				

10.	-	-	-	-	9	2	1		15	1						
11.	-	-	-	-					40	2	2					
12.	-	-	-	-	13	2			35	2	1					
13.					4	1			10	1	1					
14.					10	-			25	1	1					
15.					15	-			20	1	1					

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	01	-		-	-	-	03
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	**-**	**-**	**02**	**01**	**-**	**-**	**-**	**-**	**-**	**03**

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	Rabbitry	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	Rabbitry	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	Pigeon pea	Assessment of pigeonpea variety GRG-811	05	05	06
	Chickpea	Assessment of Chickpea variety GBM-2	05	05	06
Integrated Pest Management					
Integrated Crop Management					
Integrated Disease Management					
Small Scale Income Generation Enterprises					
Weed Management					
Resource Conservation Technology	Sugarcane	Assessment of effect of in situ vermiculturing in Sugarcane trash decomposition (K/R	10	10	08

Farm Machineries					
Integrated Farming System					
Seed / Plant production					
Value addition					
Drudgery Reduction					
Storage Technique					
Mushroom cultivation					
Total			**15**	**15**	**6.0**

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 trail 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 : Nil

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 : Nil

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. Assessment of Pigeon pea Variety GRG-811

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	5	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	1720	kg/ha	66,230	4.2
Technology option 2 : BSMR-736	UAS, Dharwad	2210	kg/ha	84,485	4.3
Technology option 3 : GRG-811	UAS, Dharwad	1730	kg/ha	66,705	4.2

Data on the Parameter and results of assessment

Parameter	TS-3R	BSMR-736	GRG-811
Yield (q/ha)	17.2	22.1	17.3
Wilt (%)	0.67	0.48	0.60
No. of Pods/Plant	194.2	276	198
Pod damage (%)	13.2	16.4	13.8
pod fly damage (%)	3.44	17.22	3.82

.C.2. Details of each On Farm Trial for refinement to be furnished in the following format separately as per the following details

1.	Title of Technology Assessed	:	Assessment of Pigeonpea Variety GRG-811
2.	Problem Definition	:	Non availability of high yielding variety
3.	Details of technologies selected for assessment	:	Seeds of TS-3R, BSMR-736, GRG-811
4.	Source of technology	:	UAS, Dharwad & UAS aRichur
5.	Production system and thematic area	:	Rainfed/Irrigated Varietal Evaluation
6.	Performance of the Technology with performance indicators	:	Higher yield with lesser incidence of disease
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	:	
8.	Final recommendation for micro level situation	:	
9.	Constraints identified and feedback for research	:	
10.	Process of farmers participation and their reaction	:	Grain size is medium, Minimum pod fly damage, color is acceptable for GRG-811

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	5	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 is not suitable for mechanized harvesting during the Rabi 2016 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	1750	kg/ha	99,820/-	4.05
Technology option 2 : JAKI-9218	UAS, Dharwad	1725	kg/ha	96,945/-	3.98
Technology option 3 : GBM-2	UAS, Raichur	1750	kg/ha	96,300/-	3.56

Data on the Parameter and results of assessment

Parameter	JG-11	JAKI-9218	GBM-2
Yield (q/ha)	17.50	17.25	17.50
Plant height (cm)	34.5	37.3	42.70
No. of Pods/Plant	44.40	41.60	42.20
Wilt (%)	0.80	0.8	0.70
% pod damage	11.60	12.10	13.20

4.C2 Details of each On Farm Trial for refinement to be furnished in the following format separately as per the following details

1	Title of Technology Assessed	:	Assessment of Chickpea variety, GMB-2
2	Problem Definition	:	**High cost and scarcity of labors, Low yield due to wilt, pod borer**
3	Details of technologies selected for assessment	:	JG-11 seeds, JAKI-9218 seeds, GBM-2 seeds
4	Source of technology	:	UAS Dharwad, UAS Dharwad & UAS Raichur
5	Production system and thematic area	:	Rainfed / varietal evaluation and mechanical suitability check
6	Performance of the Technology with performance indicators	:	Mechanical harvesting evaluation and yield parameter
7	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	:	
8	Final recommendation for micro level situation	:	
9	Constraints identified and feedback for research	:	
10	Process of farmers participation and their reaction	:	JAKI-9218 and GBM-2 are not suitable for mechanical harvesting during 2016-17 due to moisture stress

3.

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

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
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* vermicultu ring (5.5 kg EW/ac) + appln. of compost culture @2kg/ac**	Yield, % conversion of trash to vermicom post, 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
TO 1: Burning of sugarcane trash	Farmers practice	71.40	t/ha	**1,22,760**	3.2
TO 2: Retention of residue & appln. of compost culture @2kg/ac.	UAS, Dharwad	78.20	t/ha	**1,39,275**	3.5
TO 3:Retention of residue + *In situ* vermiculturing (5.5 kg EW/ac) + appln. of compost culture @2kg/ac	Technology in pipeline UAS, Dharwad	86.20	t/ha	**1,55,858**	3.61

Data on the Parameter and results of assessment

Particulars	Farmer practice	Retention of resiude & 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)	71.40	78.20	86.20
% conversation of trash to vermicompost at harvest	-	44.60	74.15
Soil Organic carbon % (before)	0.41	0.40	0.40
Soil Organic carbon % (After)	0.44	0.46	0.49

C.2. Details of each On Farm Trial for refinement to be furnished in the following format separately as per the following details

1	Title of Technology Assessed	:	Assessment of effect of insitu vermiculturing in sugarcane trash decomposition
2	Problem Definition	:	High cost of fertilizers, low organic matter due to burning of trash
3	Details of technologies selected for assessment	:	Retention of residue + *In situ* vermiculturing (5.5 kg EW/ac) + appln. of compost culture @2kg/ac
4	Source of technology	:	Technology in pipeline UAS, Dharwad
5	Production system and thematic area	:	Irrigated
6	Performance of the Technology with performance indicators	:	Increase in organic matter in soil after the treatment
7	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	:	Eco friendly approach, useful technology to increase the soil fertility
8	Final recommendation for micro level situation	:	
9	Constraints identified and feedback for research	:	
10	Process of farmers participation and their reaction	:	Eco friendly approach, useful technology to increase the soil fertility

PART V - FRONTLINE DEMONSTRATIONS

5.A. Summary of FLDs implemented during 2015-16

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 2016	Sorghum	Variety	-	Varietal introduction	Improved variety	10	10	2	23	25	-
		Rainfed	Rabi 2016	Wheat	Variety	-	Varietal introduction	Improved variety	4.8	4.8	1	11	12	-
		Rainfed	Rabi 2016	Foxtail millet	Variety	-	Varietal introduction	Improved variety	4.0	4.0	0	10	10	
3	Pulses	Irrigated	Kharif/Rabi 2016	Pigeonpea + Soybean	Variety		Intercropping	Intercropping	4.8	4.8	1	11	12	-
4.	Vegetables	Rainfed	Late kharif 2016	Onion	Variety	-	Varietal introduction	Improved variety	2.0	2.0	0	5	5	-
		Rainfed	Rabi 2016	Onion	Variety	-	Varietal introduction	Improved variety	2.0	2.0	1	4	5	
5.	Fruits	Irrigated	Rabi 2016	Pomegranate	Variety	-	IDM	IDM	6.0	6.0	0	15	15	-
6.		Irrigated	Rabi 2016	Lime	Variety	-			4.0	4.0	0	10	10	
		Irrigated	Rabi 2016	Grape	Variety		IPM	IPM	4.0	4.0	0	10	10	
7.	Nutrion Garden	Irrigated	Rabi 2016	Nutritional Garden	Variety	-	Method Demonstration	Demonstration	2.0	2.0	0	5	5	-
8.	Commercial	Irrigated	Summer 2017	Sugarcane	Variety	-	Varietal introduction	Non flowering variety	4.0	4.0	7	3	10	-
9.	Fodder	Rainfed	Kharif 2016	Fodder	Variety		Varietal introduction		4.0	4.0	1	4	05	-
10.	Fibre													-
11.														
	Dairy	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sheep and goat	-	-	-	-	-	-	-	-	-	-	-	-	-
	Implements (cycle weeder)	-	-	-	-	-	-	-	-	-	-	-	-	-

5.A. 1. Soil fertility status of FLDs plots during 2016-17

Sl. No.	Category	Farming Situation	Season & Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Nutrient Status of soil (Kg/ha)			Previous crop grown
									N	P	K	
1.	Oilseeds											
2.	Cereals	Rainfed	Rabi 2016	Sorghum	Variety	-	Varietal introduction	Improved variety	M	M	H	Pigeon pea
3.		Rainfed	Rabi 2016	Wheat	Variety	-	Varietal introduction	Improved variety	M	M	M	Maize
		Rainfed	Kharif 2016	Foxtail millet	Variety	-	Varietal introduction	Improved variety	M	M	M	Sorghum
4	Pulses	Irrigated	Kharif/Rabi 2016	Pigeonpea + Soybean	Variety		Intercropping	Intercropping	M	M	L	Sorghum
	Vegetables	Rainfed	Late kharif 2016	Onion	Variety	-	Varietal introduction	Improved variety	M	M	L	Wheat
5.		Rainfed	Rabi 2016	Onion	Variety	-	Varietal introduction	Improved variety	M	M	L	-
6	Fruits	Irrigated	Rabi 2016	Pomegranate	Variety	-	IDM	IDM	M	M	L	
		Irrigated	Rabi 2016	Lime	Variety	-			M	M	L	-
		Irrigated	Rabi 2016	Grape	Variety		IPM	IPM	M	M	L	-
	Nutritional Garden	Irrigated	Rabi 2016	Nutritional Garden	Variety	-	Method Demonstration	Demonstration	M	M	L	-
	Commercial	Irrigated	Summer 2017	Sugarcane	Variety	-	Varietal introduction	Non flowering variety	M	M	L	-
	Fodder	Rainfed	Kharif 2016	Fodder	Variety		Varietal introduction		M	M	L	-
	Fibre											
	Dairy	-	-	-	-	-	-	-				
	Sheep and goat	-	-	-	-	-	-	-				
	Implements (cycle weeder)	-	-	-	-	-	-	-				

5.B. Results of Frontline Demonstrations

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	CSV-29R		Rainfed	25	10	19.1	10.2	15.8	13.9	12.02	11860	61857	49997	5.23	11860	54356	42496	4.60
Wheat	Improved variety	DDK-1029		Rainfed	12	4.8	34.2	18.1	27.0	23.67	12.33	20125	52553	32428	2.6	20125	46166	26041	2.3
Foxtail millet	Improved variety	DHFt-109	-	Rainfed	10	4.0	15.2	8.9	11.9	10.5	11.76	5747	25718	19971	4.5	5592	2285	17528	4.1
Pigeonpea + Soybean	Intercropping	TS3R-JS335	-	Irrigated	12	4.8	24.9	13.3	18.9	16.5	12.69	24267	109163	84896	6.1	20267	83199	62932	4.1
Onion	Improved variety	Bhima Super		Rainfed	5	2.0	22	15.2	18.5	15.6	15.67	32900	116550	83650	3.5	33975	82530	48555	2.4
Onion	Improved variety	Bhima Shakti		Rainfed	5	2.0	22.1	16.2	20	16.9	15.5	33350	149850	116500	4.5	33500	126750	93250	3.8
Pomegranate	IDM	Kesar		Irrigated	15	6.0	17.5 (t/ha)	12.5 (t/ha)	15.3(t/ha)	11.7(t/ha)	23.52	68850	122272	53422	1.8	67898	93930	26032	1.4
Lime	IDM	-		Irrigated	10	4.0	11.81 (t/ha)	10.58 (t/ha)	11.22 (t/ha)	9.93 (t/ha)	11.49	57598	168325	110727	2.92	57098	148939	91841	2.61
Grape	IPM	-		Irrigated	10	4.0	15.79 (t/ha)	12.25 (t/ha)	14.12 (t/ha)	11.71 (t/ha)	17.06 (t/ha)	181241.4	423600	242359	2.3	175200	351300	176100	2.0
Nutritional Garden	Demonstration	-		Irrigated	5	2.0	65	55	60	-	-	2670	9710	6690	3.63	-	-	-	-
Sugarcane	Non flowering variety	SNK07680		Irrigated	10	4.0	Demonstration is under Progress												
Fodder	Improved variety	DHN6	-	Rainfed	05	4.0	61.2	49.2	55.76	46.56	16.49	41955	83640	41685	1.99	41955	69840	27885	1.67
																			-
	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-	-

* 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**
Introduction of new Sorghum variety, CSV-29R		
Ear head length (Cm)	18.0	16.80
Fodder Yield (q/ha)	45.19	39.71
Shoot fly damage (%)	1.7	1.8
Introduction of Wheat Variety, DDK-1029		
No of Panicles per hill	7.4	6.1
Introduction of non flowering sugarcane variety SNK 07680		
No of tiller	14.1	12.8
Germination	93.7	94.7
Deadheart(%)	4.23	4.42
Introduction of foxtail millet variety DHFt-109-3		
Panicle length (cm)	20.3	18.0
1000 grain weight (g)	2.3	1.7
Plant height (cm)	144.1	135.0
Fodder Yield (q/ha)	21.4	20.2
Introduction of kharif onion variety Bhima Super		
No of leaves at grand growth	8	6.7
Plant height (cm)	49.6	37.4
Thrips/plant	12.0	13.76
PDI (%)	28.5	35.1
Introduction of kharif onion variety Bhima Shakti		
No of leaves at grand growth	8.0	7.6
Plant height (cm)	50.2	39.2
Thrips/plant	11.8	12.8
PDI (%)	21.5	27.7
Pigeonpea + Soybean intercropping		
No.of pods/plant Pigeon pea	230.5	248.4
No.of pods/plant Soybean	66.5	-

1000 grain weight (gm) Pigeonpea	128.8	116.9
1000 grain weight (gm) Soybean	124.8	-
Pod damage (%) pigeonpea	13.2	14.4
Management of downy mildew and powdery mildew disease in Grape		
DM Disease (%)	4.7	13.9
PM Disease (%)	3.8	14.1
Integrated Disease Management in Pomegranate		
Bacterial blight (%)	18.5	39.8
Wilt (%)	12.1	36.1
No. of Thirps / 3leaves	12.8	14.4
Demonstration of citrus arka special in lime		
Fruit no/plant	670.1	640.6
Fruit weight (g)	66.8	62

5.B.2. Livestock and related enterprises

Type of livestock	Name of the technology demonstrated	Breed	No. of Demo	No. of Units	Yield (q/ha)				% 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 (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										
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 labour saved (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 organized	Number of participants	Remarks
1	Field days	3	95	-
2	Farmers Training	36	1331	-
3	Media coverage	14	-	-
4	Training for extension functionaries	1	19	-
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	Hybird Introudction	Arka Rakshaka															
Tomato																	
Brinjal																	
Okra																	
Onion																	
Potato																	
Field bean																	
Others (pl.specify)																	
Total																	
Fruit Crops																	
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 programmers (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	1	27	0	27	0	0	0	27	0	27
Crop Diversification										
IFS	1	30	0	30	0	0	0	30	0	30
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production	2	42	0	42	0	0	0	42	0	42
Training private mestris	1	24	0	24	0	0	0	24	0	24
Layout and Management of Orchards										
Cultivation of Fruit	1	30	0	30	0	0	0	30	0	30
Others (pl. specify) vegetables	1	30	0	30	0	0	0	30	0	30
Soil Health and Fertility Management										
Soil fertility management	1	55	0	55	0	0	0	55	0	55
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										
Home Science/Women empowerment	2	8	17	25	0	0	0	8	17	25
Storage loss minimization techniques										
Value addition										
Others (pl.specify)										
Plant Protection										
Integrated Pest Management	2	103	0	103	0	0	0	103	0	103
Integrated Disease Management	1	40	0	40	0	0	0	40	0	40
Bio-control of pests and diseases	1	61	0	61	0	0	0	61	0	61
Others (pl.specify) (KVK Activities)										
Bank officials and farmers interface meet	01	55	0	55	0	0	0	55	0	55
Dairy technologies & vermicompost	01	16	2	18	0	0	0	16	2	18
TOTAL	16	521	19	540	0	0	0	521	19	540

5. B Training of Farmers and Farm Women including sponsored training Programmes (Off campus)

6. Training for 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	7	304	0	304	0	0	0	304	0	304
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production										
Nursery management										
Integrated Crop Management	2	92	0	92	0	0	0	92	0	92
Soil and Water Conservation										
Integrated Nutrient Management										
Production of organic inputs										
Seed treatment										
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 (Usage of Coconut tree climbing equipment)										
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										
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										
Others (Fertility problems and their control measures)										
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	1	0	26	26	0	0	0	0	26	26
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	**1**	**51**	**0**	**51**	**0**	**0**	**0**	**0**	**51**	**51**
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Production of oilseeds	3	115	0	115	0	0	0	0	115	115
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										
Organic manures production	4	25	132	157	0	0	0	25	132	157
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom production										
Apiculture										
Others (pl.specify)										
Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
TOTAL	**18**	**587**	**158**	**745**	**0**	**0**	**0**	**421**	**324**	**745**

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										
Training of private mestri	1	24	0	24	0	0	0	24	0	24
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture	**1**	**16**	**2**	**18**	**0**	**0**	**0**	**16**	**2**	**18**
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										
Increasing production and productivity of crops										
Seed treatment										
Disease management										
Role of KVKs to the farming community										
TOTAL										
	2	**40**	**2**	**42**	**0**	**0**	**0**	**40**	**2**	**42**

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										
Production of organic inputs										
Planting material production										
Vermi-culture	1	58	0	58	0	0	0	58	0	58
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Demonstration of cooker farm women friendly	1	0	25	25	0	0	0	0	25	25
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										
Soil and water testing										
Seed treatment										
TOTAL	**2**	**58**	**25**	**73**	**0**	**0**	**0**	**58**	**25**	**73**

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										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs	1	19	0	19	0	0	0	19	0	19
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (Soil and Water Analysis)										
Seed Production technology and seed treatment campagin										
Total	1	19	0	19	0	0	0	19	0	19

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

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.	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**	1	30	0	30	4	0	4	34	0	34
4	**Production of Inputs at site**	1	25	2	27	0	2	2	25	4	29
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- Marketing value addition in agriculture produce										
8	**Farm machinery**										
8.a.	Farm machinery, tools and implements										
8.b.	Others (pl.specify)										
9.	**Livestock and fisheries**										
10	**Livestock production and management**										
10.a.	Animal Nutrition Management										
10.b.	Animal Disease Management										

10.c	Fisheries Nutrition										
10.d	Fisheries Management										
10.e.	Others (pl.specify)										
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.	Capacity Building and Group Dynamics										
12.b.	Others (pl.specify)										
	Total	**2**	**55**	**2**	**57**	**4**	**2**	**6**	**59**	**4**	**63**

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**										
1.a.	Increasing production and productivity of crops										
1.b.	Commercial production of vegetables										
2	**Production and value addition**										
2.a.	Fruit Plants	1	30	0	30	0	0	0	30	0	30
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**	1	30	0	30	0	0	0	30	0	30
7.a.	Processing and value addition										
7.b.	Others- Marketing value addition in agriculture produce										
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	1	30	0	30	0	0	0	30	0	30
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.	Capacity Building and Group Dynamics										
12.b.	Others (pl.specify)										
	Total	**3**	**90**	**0**	**90**	**0**	**0**	**0**	**90**	**0**	**90**

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 (Rural Women)										
2.b.	Others (pl.specify)										
3.	**Livestock and fisheries**										
3.a.	Dairy farming	1	16	2	18	0	0	0	16	2	18
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.										
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	1	16	2	18	0	0	0	16	2	18

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	3	92	4	96	0	5	5	5	0	5
Rabi Field day	1	180	162	342	21	32	53	15	2	17
Kisan Mela	-	-	-	-	-	-	-	-	-	-
Kisan Ghosthi	-	-	-	-	-	-	-	-	-	-
Exhibition	2	650000	150000	800000	50000	40000	90000	1500	201	1701
Film Show	-	-	-	-	-	-	-	-	-	-
Method Demonstrations	2	138	32	170	14	5	19	5	4	9
Farmers Seminar	-	-	-	-	-	-	-	-	-	-
Workshop	-	-	-	-	-	-	-	-	-	-
Group meetings	6	135	25	160	18	23	41	15	8	23
Lectures delivered as resource persons	10	185	25	210						
Newspaper coverage	12	-	-	-	-	-	-	-	-	-
Radio talks	-	-	-	-	-	-	-	-	-	-
TV talks	02	-	-	-	-	-	-	-	-	-
Popular articles	-	-	-	-	-	-	-	-	-	-
Extension Literature	9	-	-	-	-	-	-	-	-	-
Advisory Services (through phone)	850	-	-	-	-	-	-	-	-	-
Scientific visit to farmers field	60	-	-	-	-	-	-	-	-	-
Farmers visit to KVK	875	-	-	-	-	-	-	-	-	-
Diagnostic visits	20	-	-	-	-	-	-	-	-	-
Exposure visits	-	-	-	-	-	-	-	-	-	-
Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-
Soil health Camp	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	-	-	-	-	-	-	-	-	-	-
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	-	-	-	-	-	-	-	-	-	-
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-
Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-
Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-
Any Other (Technology week)										
Total	1852	650730	150248	800978	50053	40065	90118	1540	215	1755

PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIALS

9.A. Production of seeds by the KVKs

Crop category	Name of the crop	Variety	Kind of seed	Quantity of seed (qtl)	Value (Rs) *	Number of farmers to whom provided
Cereals (crop wise)	Sorghum	M35-1	C/S	25	100000	KVK all produce sent to SOS (Seeds), UAS, Dharwad
	Dicoccum wheat	DDK-1029	B/S	10.50	49350	
Oil seeds	Soybean	JS-335	B/S	17.67	132525	
		JS-9560	B/S	1.86	13950	
	Groundnut	GPBD-4	B/S	1.36	13600	
	Linseed	PKVNL-260	T/L	0.42	4200	
Pulses	Pigeon pea	TS-3R	C/S	19.00	228000	
	Pigeon pea	BSMR-736	T/L	0.10	560	
	Pigeon pea	GRG-811	T/L	0.10	560	
	Bengalgram	JG-11	B/S	21.00	151200	
		JG-11	C/S	11.46	75636	
Commercial crops						
Vegetables	Onion seeds	Arka Kalyan	C/S	4.14	434700	
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						
Others (specify)	Foxtail millet	DHFT-109t		3.00	**15000**	
Total	-	-	-	**165.7**		-

*** Anticipated income**

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	Drumstick	Bhagya	-	2790	27,900	50
Fruits	Pomegranate	Kesar	-	800	16,000	45
Ornamental plants	-	-	-	-	-	-
Medicinal and Aromatic	-	-	-	-	-	-
Plantation	-	-	-	-	-	-
Spices	-	-	-	-	-	-
Tuber	-	-	-	-	-	-
Fodder crop saplings						
Forest Species	-	-	-	-	-	-
Others(specify)	-	-	-	-	-	-
Total	**-**	**-**	**-**	**3590=00**	**45,700=00**	**95**

9.C. Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	Number of farmers to whom provided
Bio Fertilizers				
Bio-pesticide	Meterzium	388	78,400	63
Bio-fungicide	Trichoderma	562	569,20	122
	Pseduomonas	385	36,950	68
Total		**1,335**	**1,74,970**	**253**

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	-	-	-	-
Layers	-	-	-	-
Duals (broiler and layer)	-	-	-	-
Japanese Quail	-	-	-	-
Turkey	-	-	-	-
Emu	-	-	-	-
Ducks	-	-	-	-
Others (Pl. specify)	-	-	-	-
Piggery	-	-	-	-
Piglet	-	-	-	-
Others (Pl.specify)	-	-	-	-
Fisheries	-	-	-	-
Fingerlings	-	-	-	-
Others (Pl. specify)	-	-	-	-
Total				

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/Abstract	1) Efficacy of bio rational against pod bugs in pigeon pea	G.H.Lingaraju, and **A.P.Biradar** 2016	78(4), Indian Journal of Entomology pp
	2) Phytotoxicity and their bioefficacy of pesticides against key insect pest of Rabi Sorghum (*Sorghum bicolor(L). Moench)*	Ambarish S, **A.P.Biradar** and S.P.Jagginavar 2017	5(2), 716-720 Journal of Entomology and Zoology studies.
	3) Sugarcane Trash Decomposition Through *in situ* Vermiculturing	A.P.Biradar	Paper presented in international conference and exhibition on Sugarcane Value Chain-Value 2025 Sugar

			November 13-16, 2016 at Vasantdada Sugar Institute Manjari Bk, Pune. (Maharashtra)
Technical reports	-	All Scientist KVK,Bagalkot	
News letters	KVK News letter (1)	Programme Co-ordinator and Subject Matter Specialists	1 Number, 500 copies January-2016 to June-2016
Technical bulletins	-	-	-
Popular articles	ºÀ¤ ¤ÃgÁªÀj PÀqÁØAiÀÄªÁUÀ ¨ÉÃPÀÄ (Hani Neeravari Kaddayavagalebeku (Krishi Munnade Magaize)	Dr.A.P.Biradar Mr.Arjun Sulagtti	December 2016 PP 8-11
	Azolla Cultivation Inadian Farming pp11-13 April -2016	Dr. Ajesh kumar Dr.A.P.Biradar	1000
Extension literature (Folders)	Activities of KVK		1000
	IPM in Pigeonpea	Dr.A.P.Biradar, Mr. S.C. Angadi Mr. Arjun S.R	500
	IPM in Onion	Dr.A.P.Biradar, Dr. Basamma K Dr. Abhilassha C.R. Mr. S.C. Angadi Mr. Arjun S.R	500
	IPM in Chickpea	Dr.A.P.Biradar, Dr. Basamma K Dr. Abhilassha C.R. Mr. S.C. Angadi Mr. Arjun S.R	500
	Importance of Biopesticides	Dr.A.P.Biradar, Dr. Basamma K Dr. Abhilassha C.R. Mr. S.C. Angadi Mr. Arjun S.	500
	Importance of soil testing	Mr. S.C.Angadi Dr. A.P.Biradar Dr. Basamma Kumbar Mr. Arjun R Sulagitti	500
	Hydroponics	Mr.Arjun Sulagtiti Dr.A.P.Biradar Mr. S.C.Angadi	1000
	Importance of IT in Agriculture	Mr.Majeed G Mr. S.C.Angadi Mr. Arjun R	1000
	Integrated Farming System	Dr.Dinesh Kumar S P Dr.A.P.Biradar Dr. S.V.Hugar Dr. V.G.Yadahalli	1000

		Dr.M.R.Kammar	
Others (Television)	IFS	Dr.A.P.Biradar	Door Darshan Chandana During the month of March -2017
	Vermicomposting	Dr.A.P.Biradar	Door Darshan Chandana During the month of March -2017
	Management of Problematic soil	Dr. Vidyavathi	Door Darshan Chandana During the month of March -2017
	Hydrophonics	Mr. Arjun	Door Darshan Chandana During the month of March -2017
Others (Radio talks)			

10.B. Details of Electronic Media Produced : Nil

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

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)

1) Title

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

10.E. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
	-	-	-

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

- Identification of courses for farmers/farm women
- Rural Youth
- In service 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 : Laboratory was established under Govt. of Karnataka grants during 2009

Status of establishment of Lab :

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

Sl. No	Name of the Equipment	Qty.	Cost
1	-	-	-
Total		-	-

Details of samples analyzed so far since establishment of SWTL: (2005-06 to 2016-17)

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	5900	4830	3031	**7,16,550/-**
Water Samples	3915	2976	2305	**2,,09270/-**
Plant samples	-	-	-	-
Manure samples	-	-	-	-
Others (specify)	-	-	-	-
Total	**7386**	**7806**	**5336**	**9,25,820/-**

Details of samples analyzed during the 2016-17

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	1258	1250	1250	**181650**
Water Samples	1171	1170	1170	**58550**
Plant samples	-	-	-	
Manure samples	-	-	-	-
Others (specify)	-	-	-	-
Total	**9815**	**2420**	**2420**	**240200**

Agriculture Department soil samples analyzed : 6663 during 2016-17 (Rs 150 for each sample, amount realized is Rs. 9,99,450)

10.I. Technology Week celebration during 2016-17 Yes/No, No:

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

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies			
Lectures organized			
Exhibition			
Film show			
Farm Visit			
Fair			
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.)			
Total number of farmers visited the technology week			

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

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
Karanataka	**5**	**132**			**3**	**90**			**3**	**800000**		
Total												

PART XI. IMPACT

11.A. Impact of KVK activities (Not to be 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)

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, and 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.)
Establishment of Bio control laboratory	July 2006	Karnataka State Department of Horticulture, GoK	20,00,000=00
Empowerment of **SC** farmers through Integrated Farming System	2009	Department of Social Welfare, GoK	32,25,000=00
Empowerment of **ST** farmers through Integrated Farming System	2009	Department of Social Welfare, GoK	13,06,888=00
Amla Campaign	2010	KAMPA, Bangalore	6,27,000=00
Management of White grub in Sugarcane in Bagalkot district.	2013	KSDA,GoK	2,00,000=00
RKVY	2013	GoI	5,50,000=00
RKVY	2014	GoI	
IFS	2014	GoI	

12.C. Details of linkage with ATMA

a) Is ATMA implemented in your district?

- Yes

If yes, role of KVK in preparation of SREP of the district ?

The SREP has been prepared and the programme is implemented since 2008.

Co-ordination activities between KVK and ATMA during 2016-17

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**				
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. in lakhs	Expenditure during the reporting period (Apr 2013 to Mar 2014) in Rs.	Constraints if any
-	-	-	-	-	-

12.E. Nature of linkage with National Fisheries Development Board : Nil

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
1	Extension activities, Field day on Rabi crop at KVK, Bagalkot		25,000	25,000	
2	**Animals Health camp**		**25,000**	**25,000**	
3					

12. G Kisan Mobile Advisory Services

Month	No. of SMS sent	No. of farmers to which SMS was sent	No. of feedback / query on SMS sent
April 2016	1	3421	-
May 2016	3	10815	-
June 2016	2	6000	-
July 2016	4	17518	-
August 2016	3	11989	-
September 2016	5	18314	
October 2016	3	11094	
November 2016	4	14798	
December 2016	3	11718	
January 2017	2	6500	
February 2017	2	7448	
March 2017	3	7582	
Total	**35**	**127197**	

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.	Dairy Unit	2011-12	0.08	-	-	2630.58 litre/ annum	40,000/-	62,764/-	Working Condition
2.	Shade net	2011-12	0.08	-	-	2235 Seedlings	5,000	22,680	

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. (qtl)	Cost of inputs	Gross income (Approx.)	
Cereals									
Sorghum				M35-1	C/S	25	51000	100000	
Dicoccum Wheat				DDK-1029	B/S	10.50	23500	49350	-
Oilseeds									
Soybean				JS-335	B/S	17.67	65800	132525	
				JS-9560	B/S	1.86	5900	13950	
Groundnut				GPBD-4	B/S	1.36	6500	13600	
Linseed				PKVNL-260	T/L	0.42	2100	4200	
Pulses									
Pigeon pea				TS-3R	C/S	19.00	125000	228000	
Pigeon pea				BSMR-736	T/L	0.10	210	560	-
Pigeon pea				GRG-811	T/L	0.10	210	560	
Chickpea				JG-11	B/S	21.00	65000	151200	
Millets				JG-11	C/S	11.46	25000	75636	
Vegetables									
Foxtail millet				DHFT-109		4000	15000	4000	
Vegetable crops				Arka Kalyan		215000	434700	215000	
others (Fodder)	-	-	-	-	-	-	-	-	-

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

Sl. No.	Name of the Product	Qty (sold)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	Trichoderma	388	24444	38800	-
2	Meterzium	562	80928	112400	
3	Pseudomonas	385	24255	38500	
	Total	**1335**	**129627**	**189700**	

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

Sl. No	**Name of the animal / bird / aquatics**	**Details of production**			**Amount (Rs.)/annum**		**Remarks**
		Breed	**Type of Produce**	**Qty./ annum**	**Cost of inputs**	**Gross income**	
1.	Poultry	Giriraj	Egg	15 dozen	200	900	The units is very small birds are laying eggs since three months

13.E. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
April 2016	-	-	-
May 2016			-
June 2016			-
July 2016			-
August 2016			-
September 2016			-
October 2016			-
November 2016			-
December 2016			-
January 2017			-
February 2017			-
March 2017	-	-	-

13.F. Database management

S. No	Database target	Database created
1	Training database	Training database
2	KMAS-SMS database	KMAS-SMS Database
3	Soil and Water testing reports database	Soil and Water testing reports database

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

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 Host Institute (Revloving Fund)	SBI	Bagalkot	812	SB	11029264143	587002002	SBIN0000812
With KVK	SBI	Bagalkot	812	SB	11029264052	587002002	SBIN0000812

14.B. Utilization of KVK funds during the year 2065-17 (Rs. in lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	54,45,000	54,45,000	62,29,856
2	**Traveling allowances**			
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	1,50,000		1,03,727
B	POL, repair of vehicles, tractor and equipments	3,25,000		2,85,725
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	60,000		47,725
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	25,000		22,715
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	2,56,000		2,56,000
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	57,000		53,225
G	Training of extension functionaries	30,000		25,980
H	Maintenance of buildings	50,000		50,000
I	Extension Activities	0		
J	Farmer's Field School	30,000		21,850
K	Library (Purchase of Journal, Periodicals, News paper and Magazines)	10,000		9,525
TOTAL (A)				
B. Non-Recurring Contingencies				
1	**Office automation**	3,00,000		3,00,000
2	**Furniture and Fixture**	1,00,000		1,00,000
3	**Vehicle** (Four wheeler/Two wheeler, please specify)			
4	**Library** (Purchase of assets like books & journals)			
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**70,43,000**	**68,05,227**	**75,06,328**

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

ear	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 2016 to March 2017	**17,17,002.94**	**32,75,470.00**	**16,15,639.50**	**33,76,833**

15. Details of HRD activities attended by KVK staff during 2016-17

Sl. No.	Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
1					
2					
3					
4					

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

Taluka: Hungunda Village: Kodihal Season: Rabi

Crop	Variety	Area (ha)	No. of farmers	Average Yield (q ha-^{1})		Increase in yield (%)	Cost of cash inputs (Rs ha^{-1})	
				Demonstration	Local check		Demonstration	Local check
Chickpea	JG-11	0.4	1	16	12	25	37,500	22,000

MAJOR FARMING SITUATION UNDER THE DEMONSTRATION

Crop	No. of farmers	Major farming situation of the demonstration plots				
		Source of irrigation	Soil type	Previous crop	Sowing date	Harvesting date

DETAILS OF DIFFERENT EXTENSION ACTIVITIES

Sl. No	Activities	No. of Programme	No. of Participants	Remarks
1	Weekly sessions			-
2	Field Day	1	30	-
3	Conventions (Folder)			-
5	Television Programme	0		-
7	Over phones	20	0	-
8	In person	10	0	-
9	News paper coverage		-	-

Reaction of farmer about Farmers Field School

SUMMARY FOR 2016-17

I. TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops

Thematic areas	Crop	Name of the technology assessed	No. of trials
Integrated Nutrient Management	Sugarcane	Assessing the importance of in situ vermiculturing in Sugarcane trash decomposition	10
Varietal Evaluation	Pigeon pea	Assessment of pigeon pea variety GRG-811	05
	Chickpea	Assessment of Chickpea variety GBM-2	05
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			
Others (Pl. specify)			
Total			**20**

Summary of technologies assessed under livestock : Nil

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials
Disease Management			
Evaluation of Breeds			
Feed and Fodder management			
Nutrition Management			
Production and Management			
Others (Pl. specify)			
Total			

Summary of technologies assessed under various enterprises : Nil

Thematic areas	Enterprise	Name of the technology assessed	No. of trials

Summary of technologies assessed under home science : Nil

Thematic areas	Enterprise	Name of the technology assessed	No. of trials

II. TECHNOLOGY REFINEMENT

Summary of technologies refined under various crops : Nil

Thematic areas	Crop	Name of the technology refined	No. of trials
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			
Others (Pl. specify)			
Total			

Summary of technologies assessed under refinement of various livestock : Nil

Thematic areas	Name of the livestock enterprise	Name of the technology refined	No. of trials
Disease Management			
Evaluation of Breeds			
Feed and Fodder management			
Nutrition Management			
Production and Management			
Others (Pl. specify)			
Total			

Summary of technologies refined under various enterprises : Nil

Thematic areas	Enterprise	Name of the technology assessed	No. of trials

Summary of technologies refined under home science : Nil

Thematic areas	Enterprise	Name of the technology assessed	No. of trials

III. FRONTLINE DEMONSTRATION

Crops

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 2016	Sorghum	Variety	-	Varietal introduction	Improved variety	10	10	2	23	25	-
		Rainfed	Rabi 2016	Wheat	Variety	-	Varietal introduction	Improved variety	4.8	4.8	1	11	12	-
		Rainfed	Rabi 2016	Foxtail millet	Variety	-	Varietal introduction	Improved variety	4.0	4.0	0	10	10	
3	Pulses	Irrigated	Kharif/Rabi 2016	Pigeonpea + Soybean	Variety		Intercropping	Intercropping	4.8	4.8	1	11	12	-
4.	Vegetables	Rainfed	Late kharif 2016	Onion	Variety	-	Varietal introduction	Improved variety	2.0	2.0	0	5	5	-
		Rainfed	Rabi 2016	Onion	Variety	-	Varietal introduction	Improved variety	2.0	2.0	1	4	5	
5.	Fruits	Irrigated	Rabi 2016	Pomegranate	Variety	-	IDM	IDM	6.0	6.0	0	15	15	-
6.		Irrigated	Rabi 2016	Lime	Variety	-			4.0	4.0	0	10	10	
		Irrigated	Rabi 2016	Grape	Variety		IPM	IPM	4.0	4.0	0	10	10	
7.	Nutrion Garden	Irrigated	Rabi 2016	Nutritional Garden	Variety	-	Method Demonstration	Demonstration	2.0	2.0	0	5	5	-
8.	Commercial	Irrigated	Summer 2017	Sugarcane	Variety	-	Varietal introduction	Non flowering variety	4.0	4.0	7	3	10	-
9.	Fodder	Rainfed	Kharif 2016	Fodder	Variety		Varietal introduction		4.0	4.0	1	4	05	-
10.	Fibre													-
11.														
	Dairy	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sheep and goat	-	-	-	-	-	-	-	-	-	-	-	-	-
	Implements (cycle weeder)	-	-	-	-	-	-	-	-	-	-	-	-	-

Livestock : Nil

Category	Thematic area	Name of the technology demonstrated	No. of KVKs	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
						Demons ration	Check		Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																		
Poultry																		
Rabbitry																		
Pigerry																		
Sheep and goat																		
Sheep and goat																		
Duckery																		
Others (pl.specify)																		
		Total																

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Fisheries : Nil

Category	Thematic area	Name of the technology demonstrated	No. of KVKs	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
						Demons ration	Check		Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps																		
Mussels																		
Ornamental fishes																		
Others (pl.specify)																		
		Total																

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Other enterprises : Nil

Category	Name of the technology demonstrated	No. of KVKs	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom																	
Button mushroom																	
Vermicompost																	
Sericulture																	
Apiculture																	
Others (pl.specify)																	
Total																	

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Women empowerment : Nil

Category	Name of technology	No. of KVKs	No. of demonstrations	Name of observations	Demonstration	Check
Women						
Pregnant women						
Adolescent Girl						
Other women						
Children						
Neonats						
Infants						
Children						

Farm implements and machinery : Nil

Name of the implement	Crop	Name of the technology demonstrated	No. of KVKs	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit ect.)			
						Demonstration	Check									

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

Other enterprises

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																		
Fruit Crops																		
Commercial crops																		
Sugarcane																		
Coconut																		
Others (pl.specify)																		
Total																		
Fodder crops																		
Maize (Fodder)																		
Sorghum (Fodder)																		
Others (pl.specify)																		
Total																		

IV. Training Programme

PART VII. TRAINING

4.A.. Training of Farmers and Farm Women including sponsored training programmers (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	1	27	0	27	0	0	0	27	0	27
Crop Diversification										
IFS	1	30	0	30	0	0	0	30	0	30
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production	2	42	0	42	0	0	0	42	0	42
Training private mestris	1	24	0	24	0	0	0	24	0	24
Layout and Management of Orchards										
Cultivation of Fruit	1	30	0	30	0	0	0	30	0	30
Others (pl. specify) vegetables	1	30	0	30	0	0	0	30	0	30
Soil Health and Fertility Management										
Soil fertility management	1	55	0	55	0	0	0	55	0	55
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										
Home Science/Women empowerment	2	8	17	25	0	0	0	8	17	25
Storage loss minimization techniques										
Value addition										
Others (pl.specify)										
Plant Protection										
Integrated Pest Management	2	103	0	103	0	0	0	103	0	103
Integrated Disease Management	1	40	0	40	0	0	0	40	0	40
Bio-control of pests and diseases	1	61	0	61	0	0	0	61	0	61
Others (pl.specify) (KVK Activities)										
Bank officials and farmers interface meet	01	55	0	55	0	0	0	55	0	55
Dairy technologies & vermicompost	01	16	2	18	0	0	0	16	2	18
TOTAL	16	521	19	540	0	0	0	521	19	540

4B. Training for 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	7	304	0	304	0	0	0	304	0	304
Weed Management										
Resource Conservation Technologies										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production										
Nursery management										
Integrated Crop Management	2	92	0	92	0	0	0	92	0	92
Soil and Water Conservation										
Integrated Nutrient Management										
Production of organic inputs										
Seed treatment										
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 (Usage of Coconut tree climbing equipment)										
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										
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										
Others (Fertility problems and their control measures)										
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	1	0	26	26	0	0	0	0	26	26
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	**1**	**51**	**0**	**51**	**0**	**0**	**0**	**0**	**51**	**51**
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Production of oilseeds	3	115	0	115	0	0	0	0	115	115
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										
Organic manures production	4	25	132	157	0	0	0	25	132	157
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom production										
Apiculture										
Others (pl.specify)										
Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
TOTAL	**18**	**587**	**158**	**745**	**0**	**0**	**0**	**421**	**324**	**745**

4.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										
Training of private mestri	1	24	0	24	0	0	0	24	0	24
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture	**1**	**16**	**2**	**18**	**0**	**0**	**0**	**16**	**2**	**18**
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										
Increasing production and productivity of crops										
Seed treatment										
TOTAL										
	2	**40**	**2**	**42**	**0**	**0**	**0**	**40**	**2**	**42**

4.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										
Production of organic inputs										
Planting material production										
Vermi-culture	1	58	0	58	0	0	0	58	0	58
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Demonstration of cooker farm women friendly	1	0	25	25	0	0	0	0	25	25
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										
Soil and water testing										
Seed treatment										
TOTAL	**2**	**58**	**25**	**73**	**0**	**0**	**0**	**58**	**25**	**73**

4.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										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs	1	19	0	19	0	0	0	19	0	19
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (Soil and Water Analysis)										
Seed Production technology and seed treatment campagin										
Total	1	19	0	19	0	0	0	19	0	19

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

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.	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**	1	30	0	30	4	0	4	34	0	34
4	**Production of Inputs at site**	1	25	2	27	0	2	2	25	4	29
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- Marketing value addition in agriculture produce										
8	**Farm machinery**										
8.a.	Farm machinery, tools and implements										
8.b.	Others (pl.specify)										
9.	**Livestock and fisheries**										

10	**Livestock production and management**										
10.a.	Animal Nutrition Management										
10.b.	Animal Disease Management										
10.c	Fisheries Nutrition										
10.d	Fisheries Management										
10.e.	Others (pl.specify)										
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.	Capacity Building and Group Dynamics										
12.b.	Others (pl.specify)										
	Total	**2**	**55**	**2**	**57**	**4**	**2**	**6**	**59**	**4**	**63**

4.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**										
1.a.	Increasing production and productivity of crops										
1.b.	Commercial production of vegetables										
2	**Production and value addition**										
2.a.	Fruit Plants	1	30	0	30	0	0	0	30	0	30
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**	1	30	0	30	0	0	0	30	0	30
7.a.	Processing and value addition										
7.b.	Others- Marketing value addition in agriculture produce										
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	1	30	0	30	0	0	0	30	0	30
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.	Capacity Building and Group Dynamics										
12.b.	Others (pl.specify)										
	Total	**3**	**90**	**0**	**90**	**0**	**0**	**0**	**90**	**0**	**90**

4.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 (Rural Women)										
2.b.	Others (pl.specify)										
3.	**Livestock and fisheries**										
3.a.	Dairy farming	1	16	2	18	0	0	0	16	2	18
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.										
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	1	16	2	18	0	0	0	16	2	18

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	3	92	4	96	0	5	5	5	0	5
Rabi Field day	1	180	162	342	21	32	53	15	2	17
Kisan Mela	-	-	-	-	-	-	-	-	-	-
Kisan Ghosthi	-	-	-	-	-	-	-	-	-	-
Exhibition	2	650000	150000	800000	50000	40000	90000	1500	201	1701
Film Show	-	-	-	-	-	-	-	-	-	-
Method Demonstrations	2	138	32	170	14	5	19	5	4	9
Farmers Seminar	-	-	-	-	-	-	-	-	-	-
Workshop	-	-	-	-	-	-	-	-	-	-
Group meetings	6	135	25	160	18	23	41	15	8	23
Lectures delivered as resource persons	10	185	25	210						
Newspaper coverage	12	-	-	-	-	-	-	-	-	-
Radio talks	-	-	-	-	-	-	-	-	-	-
TV talks	02	-	-	-	-	-	-	-	-	-
Popular articles	-	-	-	-	-	-	-	-	-	-
Extension Literature	9	-	-	-	-	-	-	-	-	-
Advisory Services (through phone)	850	-	-	-	-	-	-	-	-	-
Scientific visit to farmers field	60	-	-	-	-	-	-	-	-	-
Farmers visit to KVK	875	-	-	-	-	-	-	-	-	-
Diagnostic visits	20	-	-	-	-	-	-	-	-	-
Exposure visits	-	-	-	-	-	-	-	-	-	-
Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-
Soil health Camp	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	-	-	-	-	-	-	-	-	-	-
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	-	-	-	-	-	-	-	-	-	-
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-
Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-
Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-
Any Other (Technology week)										
Total	1852	650730	150248	800978	50053	40065	90118	1540	215	1755

V. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services (through phone)	850			
Diagnostic visits	20			
Field Day	3	101	5	106
Rabi Field day	1	395	17	415
Group discussions				
Kisan Ghosthi				
Film Show				
Self -help groups				
Kisan Mela				
Exhibition				
Scientists' visit to farmers field	60			
Plant/animal health camps				
Farm Science Club				
Ex-trainees Sammelan				
Farmers' seminar/workshop				
Method Demonstrations				
Celebration of important days				
Special day celebration	6	160	5	165
Exposure visits	3	90	0	90
Others (Technology week)				
Total				

Details of other extension programmes

Particulars	Number
Electronic Media	
Extension Literature	9
News Letter	1
News paper coverage	12
Popular Articles	02
Technical Bulletins	
Technical Reports	
Radio Talks	
TV Talks	02
Animal health amps (Number of animals treated)	01
Others (pl.specify)	
Total	**27**

PRODUCTION OF SEED/PLANTING MATERIAL

Activity	Achievement (K
Production of vermicompost	17911 kg
Production of vermiwash	875 *l*
Earth Worms	151kg
Enriched vermicompost	1126 kg
Production of bio-input	
a. Trichoderma	562 kg
b. Metarrhizium	388 kg
c. Pseudomonas	385 kg
Fodder rootslips	3907
Drumstick seedlings (Bhagya) Pomegranate (Kesar)	2790 800

Production of seeds by the KVKs

Crop category	Name of the crop	Name of the variety (if hybrid pl. specify)	Quantity of seed (q)	Value (Rs)	Number of farmers
Cereals					KVK all produce sent to SOS (Seeds),UAS, Dharwad
Oilseeds					
Pulses					
Commercial crops					
Vegetables					
Flower crops					
Spices					
Fodder crop seeds					
Fiber crops					
Forest Species					
Others					
Total	-	-		-	-

Production of planting materials by the KVKs

Crop category	Name of the crop	Name of the variety (if hybrid pl. specify)	Number	Value (Rs.)	Number of farmers

Commercial	-	-	-	-	-
Vegetable seedlings					
Fruits					
Ornamental plants	-	-	-	-	-
Medicinal and Aromatic	-	-	-	-	-
Plantation	-	-	-	-	-
Spices	-	-	-	-	-
Tuber	-	-	-	-	-
Fodder crop saplings					
Forest Species					
Others					
Total	-	-			

Production of Bio-Products

Bio Products	**Name of the bio-product**	**Quantity**	**Value (Rs.)**	**No. of Farmers**
		Kg		
Bio Fertilizers				-
Bio-pesticide				-
Bio-fungicide				-
				-
Others				
Total				-

Production of livestock and related enterprise materials : Nil

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Dairy animals	-	-	-	-
Cows	-	-	-	-
Buffaloes	-	-	-	-
Calves	-	-	-	-
Others (Pl. specify)	-	-	-	-
Poultry	-	-	-	-
Broilers	-	-	-	-
Layers	-	-	-	-
Duals (broiler and layer)	-	-	-	-
Japanese Quail	-	-	-	-
Turkey	-	-	-	-
Emu	-	-	-	-
Ducks	-	-	-	-
Others (Pl. specify)	-	-	-	-
Piggery	-	-	-	-
Piglet	-	-	-	-
Others (Pl.specify)	-	-	-	-
Fisheries	-	-	-	-
Fingerlings	-	-	-	-
Others (Pl. specify)	-	-	-	-
Total	-	-	-	-

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS 2016-17

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil				
Water				
Plant				
Manure				
Others (pl.specify)				
Total				

VIII. SCIENTIFIC ADVISORY COMMITTEE

Number of SACs conducted
01

IX. NEWSLETTER

Number of issues of newsletter published
1

X. RESEARCH PAPER PUBLISHED

Number of research paper published
0

XI. DETAILS ON RAIN WATER HARVESTING STRUCTURE AND MICRO-IRRIGATION SYSTEM : Nil

Activities conducted				
No. of Training programmes	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
-	-	-	-	-

----------XXXXXXX----------