PROFORMA FOR ANNUAL REPORT 2016-17

(FOR THE PERIOD APRIL 2016 to MARCH 2017)

KRISHI VIGYAN KENDRA, UDUPI DISTRICT

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
Krishi Vigyan Kendra Zonal Agricultural & Horticultural Research Station Brahmavar	Office: 0820-2563923	Fax: 0820-2561011	email- kvkudupi@gmail.com	www.kvkudupi.in

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

Address	Telephone		E mail	Web Address
	Office	Fax		
University of Agricultural and Horticultural Sciences	Ph: 08182267001	08182298008	vcuahss2014@gmail.com	http://www.uahs.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Dhananjaya B	9448950250	9480838202	kvkudupi@gmail.com **udupikvk@gmail.com**

1.4. Year of sanction:2001

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. Asst.)	Pay Scale	Basic pay	Date of joining KVK	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1.	Senior Scientist & Head	Dr. Dhananjaya B.	Senior Scientist & Head	M	Agril. Extn.	Ph.D	37400-67000	43230	09.07.15	Permanent	ST
2.	Scientist	Mr. Chaitanya H.S.	Scientist	M	Horticulture	M. Sc	15600-39100	18320	01.10.12	Permanent	General
3.	Scientist	Mr. R. Jayaprakash	Scientist	M	Soil Science	Ph.D	15600-39100	18320	03.10.12	Permanent	SC
4.	Scientist	Dr. Satheesh N.	Scientist	M	Home Science	Ph.D	15600-39100	17610	27.09.13	Permanent	SC
5.	Scientist	Dr. N.E. Naveen	Scientist	M	Agronomy	Ph. D	15600-39100	17610	01.10.13	Permanent	III B
6.	Scientist	Mr Srinivas H. Hulkoti	Scientist	M	Animal Science	MF. Sc	15600-39100	17610	23.11.13	Permanent	ST
7.	Scientist	Mr Shivakumar	Scientist	M	Plant Protection	M.Sc	15600-39100	30000/- Consolidated	15.11.16	Contract	IIIB
8.	Programme Assistant (Lab Tech.)/T-4	Mr. Sanjeev Kyatappanavaru	Training Assistant	M		M. Sc	9300-34800	11930	21.02.11	Permanent	III B
9.	Programme Assistant (Computer)/ T-4	Mrs Shailaja	Programme Assistant (Computer)	F		MBA	9300-34800	11930	24.01.11	Permanent	III B
10.	Programme Assistant/ Farm Manager	Mrs S.M. Vidyashree	Farm Manager	F		M.Tech (Agril. Engineering)	9300-34800	11460	10.11.11	Permanent	SC

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M/ F	Discipline	Highest Qualification (for PC, SMS and Prog. Asst.)	Pay Scale	Basic pay	Date of joining KVK	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
11.	Assistant	Ms. Deepa	Assistant	F				14000/- consolidated	30.01.17	Contract	I A
12.	Jr. Stenographer	Mrs. Ashalatha G.	Typist cum computer operator	F				12730/- consolidated	18.01.17	Contract	II A
13.	Driver	Mr Riyaz Ahmed Nabi Saheb Nadaf	Driver (Jeep)	M			11600-21000	12500	05.09.12	Permanent	I A
14.	Driver	Mr.Veeresh	Driver	M			14550-26700	17650	23.11.08	Permanent	IIA
15.	Supporting staff	Mr. Razak Hazarath Saheb Walikar	Assistant Cook-cum-caretaker	M			10400-16400	12000	23.10.08	Permanent	II A
16.	Supporting staff	Mr. Rithesh	Messenger	M			11600-21000	8400/- consolidated	18.01.17	Contract	SC

1.6. Total land with KVK (in ha) : 20 ha

S. No.	Item	Area (ha)
1	Under Buildings	0.4
2.	Under Demonstration Units	4.0
3.	Under Crops	13.0
4.	Orchard/Agro-forestry	-
5.	Others	2.6

1.7. Infrastructural Development:

A) Buildings

Sl. 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	10.10.2012	550	8500000			
2.	Farmers Hostel	ICAR	17.04.2002	720	4653768	Nil		
3.	Staff Quarters	Sanctioned this year						
4.	Demonstration Units							
	1.	ICAR	2007	2.0 ha	100000			
	2.	NCOF	2008	600	150000			
	3.	ZP Udupi	Sanctioned recently for Rs.7.5 lakh and work in progress					
5	Fencing	Planned during current year						
6	Rain Water harvesting system							
7	Threshing floor	NA						
8	Farm godown							

B) Vehicles

Type of vehicle	*Year of purchase*	*Cost (Rs.)*	*Total kms. Run*	*Present status*
Honda Activa	04.06.2009	49915	41283	Medium condition
TVS victor	22.09.2004	-	39758	Poor condition
Mahindra Bolero	18.12.2004	435386	288379	Poor condition
Tractor	18.03.2002	268250	4001.6 hours	Poor condition

C) Equipments & AV aids

Sl. No.	*Name of Equipments*	*Cost (Rs.in lakhs)*	*Year of purchase*	*Present status*
1.	Lenova ideapad (Laptop)	49690	15.11.2016	Good Condition
2.	HP Desktop (Computer)	99500	30.08.2016	Good Condition
3.	HP Desktop (Computer)	49750	30.08.2016	Good Condition
4.	HP AIOR20 IN (Computer)	42990	22.09.2016	Good Condition
5.	HP Desktop 20-CO20IN	42200	03.11.2016	Good Condition
6.	HP Desktop 20-CO20IN	42200	09.11.2016	Good Condition
7.	HP Desktop 20-CO20IN	42200	31.01.2017	Good Condition
8.	Cannon Printer LBP 2900B	17000	15.11.2016	Good Condition
9.	Cannon Printer LBP 2900B	8500	14.12.2016	Good Condition
10.	Cannon Printer LBP 2900B	8500	31.01.2017	Good Condition
11.	Crompton Pedestal (Fan)	16975	15.11.2016	Good Condition
12.	Seiko wall clock	3520	15.11.2016	Good Condition
13.	Brite 1 KVA 12 Volts sim wave 1 GBT ups	36926	16.09.2016	Good Condition
14.	Brite 1 KVA 12 Volts sim wave 1 GBT ups	36926	26.09.2016	Good Condition
15.	Hard Disk drive LTB Hard Disk	4990	31.01.2017	Good Condition
16.	Computer netted chair	12600	19.11.2016	Good Condition
17.	6 Rack with 6 self	3900	19.11.2016	Good Condition
18.	Steel Almerah	34000	06.01.2017	Good Condition
19.	116cmx58cm	1310	06.01.2017	Good Condition
20.	47”x23”x8mm	1310	06.01.2017	Good Condition
21.	Table cloth	873	06.01.2017	Good Condition
22.	Wooden office table	12500	13.03.2017	Good Condition
23.	Godrej Air Conditioner	28000	14.03.2017	Good Condition

1.8. Details SAC meeting conducted – Nil-

SAC Number	SAC Conducted Date	No. of Participants	No. of Absentees	Recommendations	Action Taken

PART II - DETAILS OF DISTRICT

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

S. No	Farming system/enterprise
1.	Agriculture
2.	Horticulture
3.	Fisheries and Dairy Farming

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

S. No	Agro-climatic Zone	Characteristics
1.	Coastal zone-10	Laterite soil, heavy rainfall of 4000 mm/annum, both hilly and plain land area

S. No	Agro ecological situation	Characteristics
1.	Coastal zone	Heavy rainfall, hot humid climatic condition

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1.	Laterite soil	Strongly acidic, light textured, low water holding soils with medium available nitrogen, high phosphorus and low potassium status	3 lakh ha.

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

S. No	*Crop*	*Area (ha)*	*Production (Metric tons)*	*Productivity (kg /ha)*
1.	Paddy	44020	228130	4049
2.	Groundnut	2050	3890	1900
3.	Black gram	4670	3260	700
4.	Greengram	82	50	600
5.	Cowpea	340	720	800
6.	Horsegram	210	130	620
7.	Coconut	17299	2594	149
8.	Arecanut	6881.00	17030	2543
9.	Pepper	282.00	104.60	2695

S. No	*Crop*	*Area (ha)*	*Production (Metric tons)*	*Productivity (kg /ha)*
10.	Cashew	19411.00	39823.00	2051
11.	Banana	1463.00	29595.00	*2022*
12.	Mango	1369.00	24135.00	1763
13.	Jasmine	313.00	2282.00	729
14.	Cocoa	110.00	65.60	596
15.	Chilly	66.00	90.00	1360
16.	Chrysanthemum	65.00	529.75	8150

2.5.1.1. Weather data

The annual rainfall 3602.8mm received from 117 rainy days at the station during 2016 showed a deficit of 213.7mm (5.6%) from the normal 3816.5mm rainfall. The distribution of the rainfall was rated very poor as 96.25% of the rainfall was received only in four wet months of monsoon. Further, 45% of the rainfall (1624.7mm) was limited only to June month and in the same month, 49% (795.7mm) of this rainfall was received on 25th Standard Week. Hence in total, only June month received 57.4 % excess rainfall (+574.6mm); while, all other months received deficit rainfall ranging -0.8mm in January to -267.2 mm in August. Summer was an all out disaster as Rainfall (83.7mm from 6 rainy days) was restricted only to the middle part of May month. Similarly, rainfall of rabi was again a drastic deficit, as only 50.9mm rainfall was received from just two rainy days between Oct-1st to

Dec 31st . Much variation in Summer temperature was not noticed. However, February was the hottest month with the mean monthly maximum temperature reaching 35.58 ^{o}C and the lowest temperature was recorded in November with 14.17 ^{o}C. Relative humidity varied from a minimum of 76.81% in January to 93.58% in August.

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

Category	*Population*	*Production (Tones)*	*Productivity*
Cattle			
Crossbred	77344		
Indigenous	238393		
Buffalo	26610		
Sheep			
Crossbred			
Indigenous	59		
Goats	2732		
Pigs			
Crossbred	314		
Indigenous	776		
Rabbits	**186**		
Poultry	589412		
Hens			
Desi			
Improved			
Ducks	-		
Turkey and others	-		

Category	*Area*	*Production(Tons)*	*Productivity*
Fish			
Marine		98550	-
Inland		1831	-
Prawn			
Scampi		-	-
Shrimp		1831	4-5 tons

2.8 Details of Operational area / Villages

Taluk Name	Name of the Block	Name of the village	*How long the village is covered under operational area of the KVK (specify the years)*	Major Crops and enterprises	Major problems identified	Identified Thrust Area	Others - TA	No. of SC Household	No. of ST Household	No. of Others Household	Total household
Udupi	Udupi	Majuru	1 Year	Red Kernel Rice Variety	Non availability of Suitable Red Rice variety for Rabi season, Locals Preference for Parboiled Red Kernel Rice, Available Varieties are old .	Varietal Evaluation		0	0	0	0
Udupi	Udupi	Pilaru	1 years	Udupi Jasmine	Lack of knowledge of pruning	Integrated Crop Management		0	0	0	0
Udupi	Udupi	Perdur, Kukkehalli, Mudur	1 year	Fish	Low growth and low market demand of locally available fresh water fish species cultured in farm ponds	Production and Management		0	0	0	0
Udupi	Udupi	Santhoor	2 years	Sesamum	Low yield due to local varieties,	Variety introduction		0	0	0	0

Taluk Name	Name of the Block	Name of the village	*How long the village is covered under operational area of the KVK (specify the years)*	Major Crops and enterprises	Major problems identified	Identified Thrust Area	Others - TA	No. of SC Household	No. of ST Household	No. of Others Household	Total household
					selection of suitable variety in paddy fallows, Nutrient management, Pest incidence						
Karkala	Karkala	Kanajaru	1 year	Paddy weeder	Low yield due to high weed infestation	Integrated weed management		0	0	0	0
Udupi	Udupi	Parampalli	1 year	Field bean	Low yield due to local varieties (Local vegetables, Pest and diseases, Nutrient management, Alternate crop)	Integrated Crop Management		0	0	0	0
Kundapur	Kundapur	Kudrukodu	1 year	Groundnut	Alternate Variety , TMV 2 (Out of seed chain) Terminal drought, Pest and Diseases, Nutrient Mgt	Variety introduction		0	0	0	0

Taluk Name	Name of the Block	Name of the village	*How long the village is covered under operational area of the KVK (specify the years)*	Major Crops and enterprises	Major problems identified	Identified Thrust Area	Others - TA	No. of SC Household	No. of ST Household	No. of Others Household	Total household
Karkala	Karkala	Kanajaru	1 year	Paddy	Soil acidity and iron toxicity (Reduced root growth, low fertilizer use efficiency, less tillering capacity and low yield)	Problematic soil management		0	0	0	0
Udupi	Udupi	Madi, Pethri	1 year	Blackgram	Poor crop growth and yield due to Improper nutrient management	Integrated Nutrient Management		0	0	0	0
Udupi	Udupi	Mandarthi	1 year	Cashew	Poor canopy growth due to lack of nutrition	Integrated Nutrient Management		0	0	0	0
Udupi	Udupi	Cherkady	1 year	Cucumber	Poor crop establishment due to Improper Nutrient Management	Integrated Nutrient Management		0	0	0	0
Udupi	Udupi	Manur	3 years	Groundnut	Improper nutrient	Integrated Nutrient		0	0	0	0

Taluk Name	Name of the Block	Name of the village	*How long the village is covered under operational area of the KVK (specify the years)*	Major Crops and enterprises	Major problems identified	Identified Thrust Area	Others - TA	No. of SC Household	No. of ST Household	No. of Others Household	Total household
					management in Groundnut	Management					
Karkala	Karkala	Shirlalu	1 year	Yard Long bean	Low yielding local variety	Integrated Crop Management		0	0	0	0
Karkala	Karkala	Shirlalu	1 year	Black Pepper	Spike shedding results to low yield High incidence of Pepper Wilt	Integrated Crop Management		0	0	0	0
Udupi	Udupi	Bommarbettu	1 year	Watermelon	Water scarcity, soil borne diseases and pest incidence, problem of weed menace and low nutrient use efficiency in vegetable cultivation	Integrated weed management		0	0	0	0
Karkala	Karkala	Shirlalu	1 year	Bhendi	Due to yellow vein mosaic 50 to 60% yield loss	Integrated Crop Management		0	0	0	0

Taluk Name	Name of the Block	Name of the village	*How long the village is covered under operational area of the KVK (specify the years)*	Major Crops and enterprises	Major problems identified	Identified Thrust Area	Others - TA	No. of SC Household	No. of ST Household	No. of Others Household	Total household
Karkala	Karkala	Kukkehalli, Karkala	1 year	Fish	Lack of knowledge on Mixed Carp Seed rearing in pens	Production and management		0	0	0	0
Karkala	Karkala	Kanajaru	2 years	Fodder	Non availability of green fodder throughout the year	Integrated Nutrient Management		0	0	0	0
Karkala	Karkala	Karkala, Koteshwara	2 years	Fish	Lack of knowledge and most of the available water bodies in the region are seasonal which will get dry within 6 months after monsoon	Production and management		0	0	0	0
Udupi	Udupi	Sasthan, Gundmi, Vaddarse, Kavadi, Barkur	2 years	Nutrition garden	Malnourishment & nutrition deficiency	Integrated Nutrient Management		0	0	0	0
Udupi	Udupi	Innanje	1 year	Mango	Fruit drop, leaf hopper, fruit	Integrated Crop		0	0	0	0

Taluk Name	Name of the Block	Name of the village	*How long the village is covered under operational area of the KVK (specify the years)*	Major Crops and enterprises	Major problems identified	Identified Thrust Area	Others - TA	No. of SC Household	No. of ST Household	No. of Others Household	Total household
					fly, powdery meldew, incidence of stem bleeding	Management					

2.9 Priority thrust areas

Thrust Area Id	Thrust Area
1.	Salvenia (Antargange) weed management in low lying paddy areas
2.	Spiraling white fly menace in coconut
3.	Acidic soils
4.	Root grub in Arecanut
5.	Labour scarcity
6.	Imbalanced nutrient management and leaching loss of nutrients
7.	Pest and disease problems
8.	Alternate Paddy variety for MO-4 (Kharif Season)
9.	Alternate Red Rice variety for Rabi season
10.	Short duration Red Rice variety for Kharif season for contingent crop plan

11.	Paddy variety suitable for DSR method of paddy sowing
12.	Paddy diamond white backed hopper menace in rabi paddy
13.	Flood and salt tolerant paddy variety
14.	Red palm weevil menace in coconut (not able to control by the use of pheromone traps)
15.	Effective management practices for managing quick wilt in black pepper
16.	The results and University stand for usage of Bio fight in Arecanut
17.	Wild animal menace

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
3	3	13	12	18	18	187	155

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
62	82	2005	2675	6	2	180	65

Seed Production (kgs)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
210 kgs	81.243 kgs	24000 Nos	27209 Nos

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
2000 Nos (Poultry birds) 50 kg fishes	1982 Nos (Poultry birds) 700 Nos (Fingerlings)	-	-

3.B1. Abstract of interventions undertaken based on thrust areas identified for the district as given in Sl.No.2.7

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions									
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of Bio products /Others
1.	Varietal Evaluation	Red Kernal Paddy	Non availability of Suitable Red Rice variety for Rabi season, Locals Preference for Parboiled Red Kernel Rice, Available Varieties are old	Assessment of red kernel paddy variety PRATYASA (MO-21) for rabi season	-	1	-	-	1	Jyothi-60 kg Pratyasa-27kg	-	-	-
2.	Integrated Crop Management	Udupi Jasmine	Lack of knowledge of pruning	Assessment of Pruning time in Udupi Jasmine	-	1	-	-	-	-	-	-	Micronutrients – 5 ltrs Neem cake- 250 kgs Imidaclo prid – 1.25 ltrs Carbendizim 2.5 kgs, Manocrotophos – 1 kg, Secature – 1 No

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions									
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of Bio products /Others
3.	Production and Management	Fish	Low growth and low market demand of locally available fresh water fish species cultured in farm ponds	To evaluate the growth performance of All Male Tilapia in coastal farm ponds	-	1	-	-	2	-	-	Fish seeds Tilapia – 9250 Grass carp-2000 Common carp – 2000 Feed 80 kg	
4.	Integrated Crop Management	Black pepper	Spike shedding results to low yield and High incidence of Pepper Wilt	-	Foliar nutrition and use of Arka Microbial Consortium in Black pepper	1	-	-	2	-	-	-	Arka microbial consortium – 75 kg Pepper special - 30 kg
5.	Integrated weed management	Paddy mechanization	Low yield due to high weed infestation	-	Power operated paddy weeder	1	-	-	1	-	-	-	Power operated weeder on hire basis distributed to the farmers
6.	Problematic soil	Paddy	Soil acidity and iron toxicity	-	Soil acidity	1	-	-	1	-	-	-	Soil test based

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions									
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of Bio products /Others
	management		(Reduced root growth, low fertilizer use efficiency, less tillering capacity and low yield)		management in paddy								lime application
7.	Integrated Nutrient Management	Cashew	Poor canopy growth due to lack of nutrition	-	INM in Cashew	1	-	-	1	-	-	-	Soil test based Urea, Rock phosphate and potash
8.	Production and management	Fish	Lack of knowledge on Mixed Carp Seed rearing in pens	-	Mixed Carp Seed Rearing in Pens	1	-	-	1	-	-	Catla spawn – 1 lakh Rohu spawn – 1 lakh Common carop spawn- 1 lakh GOC – 50 kg Shade net – 10 role	

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions									
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of Bio products /Others
												Rice bran – 150 kg Hapa-36	
9.	Production and management	Fish	Lack of knowledge and most of the available water bodies in the region are seasonal which will get dry within 6 months after monsoon	-	Production of Grass carp stunted fingerlings in farm ponds	1	-	-	1	-	-	Grass carp seeds – 7000	
10.	Integrated weed management	Watermelon	Water scarcity, soil borne diseases and pest incidence, problem of weed menace and low nutrient use efficiency in vegetable cultivation	-	Demonstration of Polythene mulch and use of Arka Microbial consortium in Watermelon Cultivation	1	-	-	1	-	-	-	Poly mulching sheets – 100 kg Arka microbial consortium -15 kg
11.	Integrated Nutrient Manageme	Nutrition Garden	Malnourishment & nutrition deficiency	-	Demonstration of Nutrition	1	-	-	1	Alasande –50g Bottlegourd-50g,			

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions									
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of Bio products /Others
	nt				garden for nutrition security among school children					Cucumber -50g, Ridgegourd-50g, Ashgourd-25g, Bhendi-50g, Amaranthus-200g, Chilli-50g, Bevina hindi-10 kg Neem oil-125 ml			
12.	Integrated Nutrient Management	Blackgram	Poor crop growth and yield due to Improper nutrient management	-	INM in Blackgram	1	-	-	1	-	-	-	Soil test based macro and micro nutrients
13.	Integrated Crop Management	Yard long bean	Low yielding local variety	-	High yielding IIHR yard long bean variety Arka Mangala	1	-	-	1	-	Arka Mangala seeds – 5 kg Neem oil – 10 ltrs	-	-

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions									
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of Bio products /Others
14.	Integrated Crop Management	Bhendi	Due to yellow vein mosaic 50 to 60% yield loss	-	ICM in Bhendi	1	-	-	-	-	-	-	Bactegane -20 g (25 Nos) Whitefly traps (25 Nos)
15.	Integrated Crop Management	Mango	Fruit drop, leaf hopper, fruit fly, powdery meldew, incidence of stem bleeding	-	Fruit set management in mango	1	-	-	-	-	-	-	Mango special – 8.4 kgs Planofix – 1400 ml COC-300g Imidachlopride – 600 ml Hexacanozol – 4 ltr Fruitfly traps-20
16.	Integrated Crop Management	Field bean	Low yield due to local varieties	-	ICM in Fieldbean (HA-4)	1	-	-	-	HA-4 50 kgs Neem fighter 5 ltr Ferti-K 10 kgs	-	-	-

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions									
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of Bio products /Others
17.	Variety introduction	Groundnut	Alternate Variety, TMV 2 (Out of seed chain) , Pest and Diseases, Nutrient management, Terminal drought	-	Groundnut variety ICGV 91114 in paddy fallows	1	1	-	-	ICGV-91114 - 450 kgs	-	-	-
18.	Integrated Nutrient Management	Cucumber	Poor crop establishment due to Improper Nutrient Management	-	Integrated Nutrient Management in Cucumber	1	-	-	1	-	-	-	Soil test based Urea, Rockphosphate and Potash
19.	Integrated Nutrient Management	Fodder	Non availability of green fodder throughout the year	-	Fodder bank with high yielding fodder varieties	1	-	-	1	-	-	DHN-6-9000 Slips COFS-29 seeds -3.5 kg Fodder cowpea – 4 kg	
20.	Variety introduction	Sesamum	Low yield due to local varieties, selection of	-	High yielding Sesamum variety	1	-	-	-	DS-5-7 kgs			

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions									
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of Bio products /Others
			suitable variety in paddy fallows, Nutrient management, Pest incidence		DS-5 in paddy fallows								
21.	Integrated Nutrient Management	Groundnut	Improper nutrient management in Groundnut	-	ICM in Groundnut	1	-	-	1	-	-	-	Micro nutrients

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 red kernel paddy variety PRATYASA (MO-21) for rabi season	UAS, Bangalore KAU, Thrissur	Red Kernel Paddy	1	-	1	Field visit, Group discussion meetings, Field day
2.	Assessment of Pruning time in Udupi Jasmine	TNAU UHS, Bagalkot IIHR, Bangalore	Udupi Jasmine	1	-	1	Field visit, Group discussion meetings
3.	Evaluate the growth performance of All Male Tilapia in coastal farm ponds	CIFA, Bhuvaneshwara UAS, Bangalore	Fish	1	-	1	Field day, Field visit, Group discussion meetings, Training programmes
4.	Foliar nutrition and use of Arka Microbial Consortium in Black pepper	IISR,Calicut IIHR, Bangalore	Black pepper	-	1	1	Field day, Field visit, Group discussion meetings, Training programmes
5.	Power operated paddy weeder	UAHS 2014	Paddy mechanization	-	1	1	Field day, Field visit, Group discussion meetings, Training programmes
6.	Soil acidity management in paddy	UAS(B)	Paddy	-	1	1	Field visit, Group discussion meetings
7.	INM in Cashew	UAS(B)	Cashew	-	1	1	Field visit, Group discussion meetings, Training programmes
8.	Mixed Carp Seed Rearing in Pens	UAHS Shivamogga	Fish	-	1	1	Field visit, Group discussion meetings, Training programmes
9.	Production of Grass carp stunted fingerlings in farm ponds	UAHS, Shivamogga	Fish	-	1	1	Field visit, Group discussion meetings, Training programmes, Field day

S.No	Title of Technology	Source of technology	Crop/enterprise	No.of programmes conducted			
				OFT	FLD	Training	Others (Specify)
10.	Demonstration of Polythene mulch and use of Arka Microbial consortium in Watermelon Cultivation	IIHR, Bangalore	Watermelon	-	1	1	Method Demonstration, Field visit, Group discussion meetings
11.	Demonstration of Nutrition garden for nutrition security among school children	UAS (B)	Nutrition garden	-	1	1	Method Demonstration, Field visit, Group discussion meetings
12.	INM in Blackgram	UAS(B)	Blackgram	-	1	1	Field visit, Group discussion meetings
13.	High yielding IIHR yard long bean variety Arka Mangala	IIHR, Bengaluru	Yard long bean	-	1	1	Field visit, Group discussion meetings
14.	ICM in Bhendi	UAS(D)	Bhendi	-	1	1	Field visit, Group discussion meetings
15.	Fruit set management in mango	UAS(D)	Mango	-	1	1	Field visit, Group discussion meetings
16.	ICM in Fieldbean (HA-4)	UAS(B) - 2009	Fieldbean	-	1	1	Field visit, Group discussion meetings
17.	Groundnut variety ICGV 91114 in paddy fallows	UAS(B) - 2009	Groundnut	-	1	1	Field visit, Group discussion meetings
18.	Integrated Nutrient Management in Cucumber	KAU, Thrissur	Cucumber	-	1	1	Field visit, Group discussion meetings
19.	Fodder bank with high yielding fodder varieties	TNAU Coimbatore UAS, Dharwad	Fodder	-	1	1	Field day, Field visit, Group discussion meetings
20.	High yielding Sesamum variety DS-5 in paddy fallows	UAS(D) - 2013	Sesamum	-	1	1	Field day, Field visit, Group discussion meetings
21.	ICM in Groundnut	UAS (D)	Groundut	-	1	1	Field day, Field visit, Group discussion meetings

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
12	-	-	-	72	41	35	7	1088	826	779	47	-	-	-	-

PART IV - On Farm Trial

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management										
Varietal Evaluation	1									1
Integrated Pest Management										
Integrated Crop Management							1			1
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	1						1			2

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management										
Varietal Evaluation										
Integrated Pest Management										

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
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**	**Rabbitary**	**Fisheries**	**TOTAL**
Evaluation of Breeds						
Nutrition Management						
Disease of Management						
Value Addition						
Production and Management					1	1
Feed and Fodder						
Small Scale income generating enterprises						
TOTAL					1	1

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

Thematic areas	Cattle	Poultry	Piggery	Rabbitary	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 trail covering all the Technological Options)
Integrated Nutrient Management	Cashew	INM in Cashew	10	10	1
	Nutrition garden	Demonstration of Nutrition garden for nutrition security among school children	5	5	80 sq mtrs
	Blackgram	INM in Blackgram	10	10	2
	Cucumber	Integrated Nutrient Management in Cucumber	10	10	2
	Groundnut	ICM in Groundnut	10	10	2
	Paddy	Soil acidity management in paddy	10	10	4
Varietal Evaluation	Groundnut	Groundnut variety ICGV 91114 in paddy fallows	14	14	3
	Sesamum	High yielding Sesamum variety DS-5 in paddy fallows	7	7	3
Integrated Pest Management					

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 Crop Management	Black Pepper	Foliar nutrition and use of Arka Microbial Consortium in Black pepper	10	10	50 vines x 10 500 vines
	Yard long bean	High yielding IIHR yard long bean variety Arka Mangala	20	20	2
	Bhendi	ICM in Bhendi	5	5	0.8
	Mango	Fruit set management in mango	5	5	2.8
	Field bean	ICM in Fieldbean (HA-4)	11	11	4
Integrated Disease Management					
Weed Management	Paddy mechanization	Power operated paddy weeder	11	11	4
	Watermelon	Demonstration of Polythene mulch and use of Arka Microbial consortium in Watermelon Cultivation	5	5	1
Farm Machineries					
Integrated Farming System					
Seed / Plant production					
Value addition					
Drudgery Reduction					
Storage Technique					
Mushroom cultivation					
Total			**143**	**143**	

4.B.2. Technologies Refined under various Crops –Nil-

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per 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

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	Fish	Mixed Carp Seed Rearing in Pens	3	3

	Fish	Production of Grass carp stunted fingerlings in farm ponds	3	3
	Fodder	Fodder bank with high yielding fodder varieties	6	6
Feed and fodder				
Small scale income generating enterprises				
Total			**12**	**12**

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

Results of On Farm Trial

OFT 1: Assessment of red kernel paddy variety PRATYASA (MO-21) for rabi season

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
Paddy	Rainfed	Non availability of Suitable Red Rice variety for Rabi season, Locals Preference for Parboiled Red Kernel Rice, Available Varieties are old .	Assessment of red kernel paddy variety PRATYASA (MO-21) for rabi season	3	Varietal Evaluation	Plant height No of tillers Yield	Cms Nos Kg/ha	MO-21 (Pratyasa) found superior over Jyothi	Early maturity good yielding	-	-

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: Use of Local varieties l- Kaje Jaya, etc	Farmers Practice	33.01	Q/ha	31,255	1.99
Technology option 2- Use of recommended varieties for Rabi Season Jyothi	UAS, Bangalore	35.40	Q/ha	35,796	2.13
Technology option 3- Use of variety PRATYASA (MO-21) for rabi season (red Kernel rice) duration 110-120 days Variety released - 2009	KAU, Thrissur	38.00	Q/ha	40,736	2.29

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

1.	Title of Technology Assessed	**:**	Assessment of red kernel paddy variety PRATYASA (MO-21) for rabi season
2.	Problem Definition	**:**	Non availability of Suitable Red Rice variety for Rabi season, Locals Preference for Parboiled Red Kernel Rice, Available Varieties are old .
3.	Details of technologies selected for assessment	**:**	**Technology option 1** - Use of Local varieties l- Kaje Jaya, etc **Technology option 2-** Use of recommended varieties for Rabi Season Jyothi **Technology option 3-** Use of variety PRATYASA (MO-21) for rabi season (red Kernel rice) duration 110-120 days Variety released - 2009
4.	Source of technology	**:**	UAS, Bangalore, KAU, Thrissur
5.	Production system and thematic area	**:**	Varietal Evaluation
6.	Performance of the Technology with performance indicators	**:**	
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	**:**	Early maturity Suitable for rabi crop in Udupi District due to water scarcity Good yielding compared to existing variety

8.	Final recommendation for micro level situation	**:**	MO-21 may be adopted for rabi season in Zone-10
9.	Constraints identified and feedback for research	**:**	
10.	Process of farmers participation and their reaction	**:**	

OFT- 2: Assessment of Pruning time in Udupi Jasmine

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
Udupi Jasmine	Homestead	Lack of knowledge of pruning	Assessment of Pruning time in Udupi Jasmine	5	ICM	100 flowers weight	g	Pruning during November, at a height of 50 cm from ground level with RDF and micronutrients found to be superior	Pruning during November with Foliar application of micro nutrients and two split application of RDF yielded better compared to other technologies	-	-
						Yield	kg/ha				

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 - Pruning of only dead and diseased branches only INM: use of ground nut cake and FYM 10 to 20 kg per plant	Farmers practice	266	Kg/ha	208850	3.49
Technology option 2- Time of Pruning : November, at a height of 50 cm from ground level INM : (FYM 10 kg/ plant) RDF 120:240:240 g/plant in two splits Foliar spray of micro nutrient $ZnSO_4$ 0.25% + $MgSO_4$ 0.5% + $FeSO_4$ 0.5%	TNAU	335	Kg/ha	323150	4.27
Technology option 3- Time of Pruning : January, at a height of 60 cm from ground level INM : (FYM 20 kg/ plant) RDF 120:240:240 NPK g/plant in six splits	UHS, Bagalkot	324	Kg/ha	307000	4.13
Technology option 4- Time of Pruning: Mid December, at a height of 90 cm from ground level INM : (FYM 10 kg/plant) RDF 100:150:100 NPK g/plant in 3 split doses	IIHR, Bangalore	312	Kg/ha	293500	4.04

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

1.	Title of Technology Assessed	**:**	Assessment of pruning time in Udupi Jasmine
2.	Problem Definition	**:**	Lack of knowledge of pruning
3.	Details of technologies selected for assessment	**:**	**Technology option 1 -** Pruning of only dead and diseased branches only INM: use of ground nut cake and FYM 10 to 20 kg per plant **Technology option 2-** Time of Pruning : November, at a height of 50 cm from ground level INM : (FYM 10 kg/ plant) RDF 120:240:240 g/plant in two splits Foliar spray of micro nutrient $ZnSO_4$ 0.25% + $MgSO_4$ 0.5% + $FeSO_4$ 0.5% **Technology option 3-** Time of Pruning : January, at a height of 60 cm from ground level INM : (FYM 20 kg/ plant) RDF 120:240:240 NPK g/plant in six splits Technology option 4- Time of Pruning: Mid December, at a height of 90 cm from ground level INM : (FYM 10 kg/plant) RDF 100:150:100 NPK g/plant in 3 split doses **Technology option 4-** Time of Pruning: Mid December, at a height of 90 cm from ground level INM : (FYM 10 kg/plant) RDF 100:150:100 NPK g/plant in 3 split doses
4.	Source of technology	**:**	TNAU, UHS, Bagalkot, IIHR, Bangalore
5.	Production system and thematic area	**:**	Time of pruning
6.	Performance of the Technology with performance indicators	**:**	Pruning during November, at a height of 50 cm from ground level with RDF and micronutrients found to be superior
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	**:**	Pruning during November in Udupi Jasmine resulted in higher yield
8.	Final recommendation for micro level situation	**:**	November pruning at a height of 50 cm from the ground level may be adopted
9.	Constraints identified and feedback for research	**:**	-
10.	Process of farmers participation and their reaction	**:**	-

OFT – 3: To evaluate the growth performance of All Male Tilapia in coastal farm – On going

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
Fish	-	Low growth and low market demand of locally available fresh water fish species cultured in farm ponds	Evaluate the growth performance of All Male Tilapia in coastal farm ponds	4	Production and management	Avg. Length Avg. weight Yield	Cms Kgs Kgs	-	High consumer acceptance, Economically viable technology, Better survival and effective consumption of feed.	-	-

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. / ha	BC Ratio
13	14	15	16	17	18
Technology option 1- Culture of Common Carp in Monoculture system	Farmers Practices				
Technology option 2 - Rearing of All Male Tilapia in Monoculture system	CIFA, Bhuvaneshwara				
Technology option 3- Rearing of All Male Tilapia in Polyculture system along with Grass carp and Common carp	UAS, Bangalore				

Technology	Fish variety	Initial average Length (cm)	Initial average Weight (g)	Observed length and weight at the end of 6th month	
				Length(cm)	Weight (g)
T1	Common carp	2.8	1.7	14	130
T2	Tilapia	7.5	6.0	24	300
T3	Grass carp	4.1	2.5	26	480
	Common carp	2.8	1.7	19	320
	Tilapia	7.5	6.0	25	320

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

1.	Title of Technology Assessed	**:**	Evaluate the growth performance of All Male Tilapia in coastal farm ponds
2.	Problem Definition	**:**	Low growth and low market demand of locally available fresh water fish species cultured in farm ponds
3.	Details of technologies selected for assessment	**:**	**Technology option 1-** Culture of Common Carp in Monoculture system **Technology option 2** - Rearing of All Male Tilapia in Monoculture system **Technology option 3-** Rearing of All Male Tilapia in Polyculture system along with Grass carp and Common carp
4.	Source of technology	**:**	CIFA, Bhuvaneshwara, UAS, Bangalore
5.	Production system and thematic area	**:**	Production and management
6.	Performance of the Technology with performance indicators	**:**	
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	**:**	High consumer acceptance, Economically viable technology, Better survival and effective consumption of feed.
8.	Final recommendation for micro level situation	**:**	-
9.	Constraints identified and feedback for research	**:**	-
10.	Process of farmers participation and their reaction	**:**	-

4.D1. Results of Technologies Refined –Nil-

PART V - FRONTLINE DEMONSTRATIONS

5.A. Summary of FLDs implemented during 2016-17

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	Rice fallow	Rabi	Sesamum	DS-5	-	Variety introduction	High yielding Sesamum variety DS-5 in paddy fallows	3	3	-	7	7	
		Rice fallow	Rabi	Groundnut	ICGV-91114	-	Variety introduction	Groundnut variety ICGV 91114 in paddy fallows	3	3	-	14	14	
		Rainfed	Rabi	Groundnut	Local	-	ICM	ICM in Groundnut	2	2	-	10	10	
2.	Pulses	Rice fallow	Rabi	Fieldbean	HA-4	-	ICM	ICM in Fieldbean (HA-4)	4	4	-	11	11	
		Rainfed	Rabi	Blackgram	Rashmi	-	INM	Integrated Nutrient Management in Blackgram	2	2	-	10	10	
3.	Cereals	Rainfed	Kharif	Paddy	MO-4	-	Problematic Soil management	Soil Acidity Management in paddy	4	4	-	10	10	
		Rainfed	Kharif	Paddy	MO-4	-	Integrated weed management	Power operated paddy weeder	4	4	-	11	11	
4.	Millets													
5.	Vegetables	Irrigated	Rabi	Bhendi	Halu bhendi	-	ICM	ICM in Bhendi	0.8	0.8	-	5	5	
		Rainfed	Rabi	Cucum	Local	-	INM	Integrated	2	2	-	10	10	

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	
				ber				Nutrient Management in Cucumber						
		Limited irrigation	Rabi	Yard long bean	Arka Mangala	-	ICM	High yielding IIHR yard long bean variety Arka Mangala	2	2	-	20	20	
		Rainfed	Rabi	Nutrition garden	Alasande Bottlegourd Cucumber, Ridgegourd, AshgourdBhendi Amaranthus, Chilli, Neem oil	-	INM	Demonstration of Nutrition Garden for Nutrition Security among School Children	80 sq mtrs	80 sq mtrs	-	5	5	
6.	Flowers													
7.	Ornamental													
8.	Fruit	Irrigated	Rabi	Water melon	Namdhari 295	-	Integrated weed management	Demonstration of Polythene mulch and use of Arka Microbial consortium in Watermelon cultivation	1	1	-	5	5	
		Limited irrigation	Rabi	Mango	-	-	ICM	Fruit set	2.8	2.8	-	5	5	

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	
								management in Mango						
9.	Spices and condiments	Irrigated	Kharif	Black pepper	Panniyur-1	-	ICM	Foliar nutrition and use of Arka Microbial Consortium in Black pepper	50 vines x 10 500 vines	50 vines x 10 500 vines	-	10	10	
10.	Commercial													
11.	Medicinal and aromatic													
12.	Fodder	Homestead	Summer	Fodder	-	-	INM	Demonstration of fodder bank with high yielding varieties	4	4	-	6	6	
13.	Plantation													
		Rainfed	Rabi	Cashew	Ullal	-	INM	Integrated Nutrient Management in Cashew	1	1	-	10	10	
14.	Dairy	Homestead	-	Fishery	-	-	Production and management	Mixed Carp Seed Rearing in Pens	0.06	0.06	-	3	3	
		Homestead	-	Fishery	-	-	Production and management	Production of Grass carp stunted fingerlings in farm ponds	0.07	0.07	-	3	3	

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	
15.	Poultry													
16.	Rabbitry													
17.	Pigerry													
18.	Sheep and goat													
19.	Duckery													
20.	Common carps													
21.	Mussels													
22.	Ornamental fishes													
23.	Oyster mushroom													
24.	Button mushroom													
25.	Vermicom post													
26.	Sericulture													
27.	Apiculture													
28.	Implements													
29.	Others (specify) (Nutrition garden)													

5.A. 1. Soil fertility status of FLDs plots during 2015-16

Sl. No	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil (kg/ha)			Previous crop grown
										N	P	K	
1.	Oil seeds	Rice fallow	Rabi	Sesamum	DS-5		Variety introduction	High yielding Sesamum variety DS-5 in paddy fallows	Rabi	220	18	88	Paddy
		Rice fallow	Rabi	Groundnut	ICGV - 91114		Variety introduction	Groundnut variety ICGV 91114 in paddy fallows	Rabi	240	22	90	Paddy
		Rainfed	Rabi	Groundnut	Local		ICM	ICM in Groundnut	Rabi	210	23	100	Paddy
2.	Pulses	Rice fallow	Rabi	Fieldbean	HA-4		ICM	ICM in Fieldbean (HA-4)	Rabi	240	21	94	Paddy
		Rainfed	Rabi	Blackgram	Rashmi		INM	Integrated Nutrient Management in Blackgram	Rabi	280	54	106	Paddy
3.	Cereals	Rainfed	Kharif	Paddy	MO-4		Problematic Soil management	Soil Acidity Management in paddy	Kharif	260	52	120	Paddy
		Rainfed	Kharif	Paddy	MO-4		Integrated weed management	Power operated paddy weeder	Kharif	252	19	96	Vegetables
4.	Millets												

Sl. No	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil (kg/ha)			Previous crop grown
										N	P	K	
5.	Vegetables	Irrigated	Rabi	Bhendi	Halu bhendi	-	ICM	ICM in Bhendi	Rabi	225	44	119	Cowpea
		Rainfed	Rabi	Cucumber	Local	-	INM	Integrated Nutrient Management in Cucumber	Rabi	276	59	105	Paddy
		Limited irrigation	Rabi	Yard long bean	Arka Mangala	-	ICM	High yielding IIHR yard long bean variety Arka Mangala	Rabi	250	50	110	Paddy
		Rainfed	Rabi	Nutrition garden	Alasande, Bottle gourd, Cucumber, Ridge gourd, Ashgourd, Bhendi, Amaranthus, Chilli, Neem oil	-	INM	Demonstration of Nutrition Garden for Nutrition Security among School Children	Rabi	280	56	97	Vegetables
6.	Flowers												
7.	Ornamental												

Sl. No	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil (kg/ha)			Previous crop grown
										N	P	K	
8.	Fruit	Irrigated	Rabi	Watermelon	Namdhari 295	-	Integrated weed management	Demonstration of Polythene mulch and use of Arka Microbial consortium in Watermelon cultivation	Rabi	215	41	108	Paddy
		Limited irrigation	Rabi	Mango	-	-	ICM	Fruit set management in Mango	Rabi	223	49	103	Mango
9.	Spices and condiments	Irrigated	Kharif	Black pepper	Panniyur-1	-	ICM	Foliar nutrition and use of Arka Microbial Consortium in Black pepper	Kharif	212	68	119	Black Pepper
10.	Commercial												
11.	Medicinal and aromatic												
12.	IFS												
13.	Fodder	Homestead	Summer	Fodder	-	-	INM	Demonstration of fodder bank with high yielding varieties	Summer	-	-	-	Fodder

Sl. No	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil (kg/ha)			Previous crop grown
										N	P	K	
14.	Plantation	Rainfed	Rabi	Cashew	Ullal	-	INM	Integrated Nutrient Management in Cashew	Rabi	212	52	90	Cashew
15.	Others (Dairy)	Homestead	-	Fishery	-	-	Production and management	Mixed Carp Seed Rearing in Pens		-	-	-	Fish
		Homestead	-	Fishery	-	-	Production and management	Production of Grass carp stunted fingerlings in farm ponds		-	-	-	Fish
16.	Fibre												

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										
Oilseeds	High yielding Sesamum variety DS-5 in paddy fallows	DS-5		Rice fallow	7	3	4.50	3.80	4.20	4.00	1.05	19300	33600	14300	1.74	18000	24000	6000	1.33
	Groundnut variety ICGV 91114 in paddy fallows	ICGV - 91114		Rice fallow	14	3	29.66	27.50	28.75	28.50	0.87%	24067	126500	102433	5.25	24067	125400	101333	5.21
	ICM in Groundnut	Local		Rainfed	10	2	25	20	24.6	19.5	26.15	24002	105008	80998	4.3	21859	79625	57766	3.6
Pulses	ICM in Fieldbean (HA-4)	HA-4		Rice fallow	11	4	18.50	16.50	17.00	15.75	7.93	18170	42500	24330	2.33	17325	39375	22050	2.27
	Integrated Nutrient Management in Blackgram	Rashmi		Rainfed	10	2	10	7	100.16	80.08	24.85	60000	126000	66000	2.1	50000	80000	30000	1.6
Cereals	Soil Acidity Management in paddy	MO-4		Rainfed	10	4	64	58	60.6	50.5	20	31370	68460	37090	2.1	29591	57185	27594	1.9
	Power operated paddy weeder	MO-4		Rainfed	11	4	38.00	36.00	36.50	35.75	2.09	32464	50370	17906	1.55	36064	49335	13271	1.36
Millets																			
Vegetables	ICM in Bhendi	Halu bhendi		Irrigated	5	0.8	125	106	115.5	87.00	21.5	123470	462000	338530	3.74	113820	348000	234180	3.01
	Integrated Nutrient Management in Cucumber	Local		Rainfed	10	2	110	70	7.3	6.2	17.74	10009	22008	11999	2.19	12002	22009	10007	1.8

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										
	High yielding IIHR yard long bean variety Arka Mangala	Arka Mangala		Limited irrigation	20	2	142.30	136.50	139.40	112.50	23.91	95350	292740	197090	3.06	91600	236250	159350	2.57
	Demonstration of Nutrition Garden for Nutrition Security among School Children	Alasande, Bottle gourd Cucumber, Ridge gourd Ash gourd Bhendi, Amaranthus, Chilli Neem oil		Rainfed	5	80 sq mtrs	-	-	134	-	-	1216.80	4020	2803	3.30	-	-	-	-
Flowers																			
Ornamental																			
Fruit	Demonstration of Polythene mulch and use of Arka Microbial consortium in Watermelon cultivation	Namdhari 295		Irrigated	5	1	417	365	391	321.8	21.5	105650	332350	226700	3.14	85600	208650	123050	2.43

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										
	Fruit set management in Mango	-		Limited irrigation	6	2.8	On going												
Spices and condiments	Foliar nutrition and use of Arka Microbial Consortium in Black pepper	Panniyur-1		Irrigated	10	50 vines x 10 500 vines	16.13	12.25	14.19	11.15	27.26	122500	482030	359530	3.93	98650	312200	213550	3.16
Commercial																			
Fibre crops like cotton																			
Medicinal and aromatic																			
Fodder	Demonstration of fodder bank with high yielding varieties	-	-	Homestead	6	4	On going												
Plantation	Integrated Nutrient Management in Cashew	Ullal		Rainfed	10	1	On going												
Fibre																			
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 – 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**

5.B.2. Livestock and related enterprises –Nil-

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
	Mixed Carp Seed Rearing in Pens		3	0.06											
	Production of Grass carp stunted fingerlings in farm ponds		3	0.07											
Mussels															
Ornamental fishes															
Others (pl.specify)															

Technology	Fish variety	Initial average Length (cm)	Initial average Weight (gm)	Observed length and weight at the end of 12th day Length	weight	Observed length and weight at the end of 6th month Length	weight
Spawn to fry rearing	Common carp	0.4	-	1.3	0.5		
	Catla	0.6	-	1.9	0.9		
	Rohu	0.6	-	1.8	0.7		
Fry to fingerling Rearing T3	Common carp	1.3	0.5	-	-	10.00	150.2
	Catla	1.9	0.9	-	-	12.5	170.3
	Rohu	1.8	0.7	-	-	14.30	180.50

Stocking Density	Average Initial Length	Average Initial Weight	Growth at 30th Day Length	Weight	Growth at 60th Day Length	Weight
200	2.00 cm	1.5 gm	2.9 cm	2.4 gm	3.7 cm	3.5 gm
300	2.00 cm	1.5 gm	2.5 cm	2.00 gm	2.9 gm	3.1 cm
400	2.00 cm	1.5 gm	2.8 cm	2.2 gm	3.4 cm	3.2 gm

* 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

5.B.4. Other enterprises –Nil-

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 –Nil-

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	5	133	
2	Farmers Training	84	2740	
3	Media coverage	74	-	
4	Training for extension functionaries	2	65	
5	Others (Please specify)	-	-	

PART VI – DEMONSTRATIONS ON CROP HYBRIDS

Demonstration details on crop hybrids –Nil-

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

Total																	
Vegetable crops																	
Bottle gourd																	
Capsicum																	
Others (pl.specify)																	
Total																	
Cucumber																	
Tomato																	
Brinjal																	
Okra																	
Onion																	
Potato																	
Field bean																	
Others (pl.specify)																	
Total																	
Commercial crops																	
Sugarcane																	
Coconut																	
Others (pl.specify)																	
Total																	
Fodder crops																	
Maize (Fodder)																	
Sorghum (Fodder)																	
Others (pl.specify)																	
Total																	

H-High L-Low, A-Average

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

PART VII. TRAINING

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management										
Resource Conservation Technologies	1	16	9	25	-	-	-	16	9	25
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production										
Nursery management	1	18	7	25	-	-	-	18	7	25
Integrated Crop Management										
Soil and Water Conservation										
Integrated Nutrient Management										
Production of organic inputs	1	31	12	43	-	-	-	31	12	43
Others (pl.specify)										
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop										
Off-season vegetables	1	19	19	38	-	-	-	19	19	38
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation	3	81	10	91	-	-	-	81	10	91

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Others (pl.specify)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	1	24	-	24	-	-	-	24	-	24
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										
Integrated crop management										
d) Plantation crops										
Production and Management technology	1	19	12	31	-	-	-	19	12	31
Processing and value addition	1	29	7	36	-	-	-	29	7	36
Integrated cropping systems										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
f) Spices										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
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	1	14	4	18	-	-	-	14	4	18
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) Soil and water conservat ion										
Livestock Production and Management										
Dairy Management	1	13	14	27	-	-	-	13	14	27
Poultry Management	1	37	15	52	-	-	-	37	15	52
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Feed and Fodder technology										
Production of quality animal products										
Stall fed goat farming										
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	1	36	31	67	-	-	-	36	31	67
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	2	3	82	85	-	-	-	3	82	85
Women empowerment	1	0	31	31	-	-	-	0	31	31
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										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Post Harvest Technology										
Others (pl.specify)										
Plant Protection										
Integrated Pest and Disease management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl.specify)										
Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture	2	39	68	107	-	-	-	39	68	107
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										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom production										
Apiculture										
Others (pl.specify)										
Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
TOTAL	**19**	**379**	**321**	**700**	**0**	**0**	**0**	**379**	**321**	**700**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management	1	24	3	27	-	-	-	24	3	27
Resource Conservation Technologies	3	49	24	73	-	-	-	49	24	73
Cropping Systems	2	44	28	72	-	-	-	44	28	72
Crop Diversification	2	24	24	48	-	-	-	24	24	48
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production										
Nursery management	2	60	6	66	-	-	-	60	6	66
Integrated Crop Management	7	157	139	296	-	-	-	157	139	296
Soil and Water Conservation	1	20	13	33				20	13	33
Integrated Nutrient Management										
Production of organic inputs										
Others (pl.specify)										
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	2	61	7	68				61	7	68
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Integrated Nutrient Management (INM)										
b) Fruits										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
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	1	37	45	82	-	-	-	37	45	82
Others (pl.specify)										
c) Ornamental Plants										
Nursery Management										
Management of potted plants	2	72	43	115	-	-	-	72	43	115
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants	3	23	52	75	-	-	-	23	52	75
Others (pl.specify)										
d) Plantation crops										
Production and Management technology	1	20	8	28	-	-	-	20	8	28
Processing and value addition										
Others (pl.specify)										
e) Tuber crops										
Production and Management technology	1	27	8	35	-	-	-	27	8	35
Processing and value addition										
Others (pl.specify)										
f) Spices										
Production and Management technology	4	148	53	201	-	-	-	148	53	201
Processing and value addition										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
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	3	56	17	73	-	-	-	56	17	73
Production and use of organic inputs										
Management of Problematic soils	1	14	2	16	-	-	-	14	2	16
Micro nutrient deficiency in crops										
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing										
Integrated crop management										
Livestock Production and Management										
Dairy Management	1	12	18	30	-	-	-	12	18	30
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management	2	41	38	79	-	-	-	41	38	79
Feed and Fodder technology										
Production of quality animal products										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Advanced methods in fish and poultry farming										
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	1	18	19	37	-	-	-	18	19	37
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	1	10	22	32	-	-	-	10	22	32
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)										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Plant Protection										
Integrated Pest and disease Management	4	59	79	138	-	-	-	59	79	138
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl.specify)										
Fisheries										
Integrated fish farming	1	4	68	72	-	-	-	4	68	72
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture	4	49	18	67	-	-	-	49	18	67
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										
Ornamental fish culture										
Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom production										
Apiculture										
Others (pl.specify)										
Capacity Building and Group Dynamics										
Leadership development										
Group dynamics	2	143	69	**212**				143	69	**212**
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) Information about agriculture										
TOTAL	**52**	**1172**	**803**	**1975**	**0**	**0**	**0**	**1172**	**803**	**1975**

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 and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming	3	97	74	171				97	74	171
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
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										
Friends of coconut tree –Crop management and harvesting in coconut										
TOTAL	**3**	**97**	**74**	**171**				**97**	**74**	**171**

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	1	9	19	28	-	-	-	9	19	28
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL	**1**	**9**	**19**	**28**	**-**	**-**	**-**	**9**	**19**	**28**

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 and disease Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology	2	34	31	65	-	-	-	34	31	65
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Integrated crop management										
Total	**2**	**34**	**31**	**65**	**-**	**-**	**-**	**34**	**31**	**65**

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

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										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
Total										

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	151	51	202	-	-	-	151	51	202
1.b.	Commercial production of vegetables										
2	Production and value addition										
2.a.	Fruit Plants										
2.b.	Ornamental plants										
2.c.	Spices crops										
3.	Soil health and fertility management										
4	Production of Inputs at site										
5	Methods of protective cultivation										
6	Others (pl.specify)										
7	Post harvest technology and value addition										
7.a.	Processing and value addition										
7.b.	Others (pl.specify)										
8	Farm machinery										
8.a.	Farm machinery, tools and implements										
8.b.	Others (pl.specify)										
9.	Livestock and fisheries	1	20	10	30				20	10	30
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	1	17	13	30				17	13	30
11.b.	Economic empowerment of women	1	-	100	100				-	100	100
11.c.	Drudgery reduction of women										
11.d.	Others (pl.specify)										
12	Agricultural Extension										
12.a.	Capacity Building and Group Dynamics(Bee keeping)	1	21	6	27				21	6	27
12.b.	Protection of plant varieties and farmers right act-2001										
	Total	**5**	**209**	**180**	**389**	**0**	**0**	**0**	**209**	**180**	**389**

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	2	41	30	71				41	30	71
1.e.	Organic farming										
1.f.	Others (pl.specify)										
2	**Post harvest technology and value addition**										
2.a.	Value addition										
2.b.	Others (pl.specify)										
3.	**Livestock and fisheries**										
3.a.	Dairy farming										
3.b.	Composite fish culture										
3.c.	Sheep and goat rearing										
3.d.	Piggery										
3.e.	Poultry farming										
3.f.	Ornamental fish farming										
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.	Beekeeping										
5	**Agricultural Extension**										
5.a.	Capacity building and group dynamics										
5.b.	Others (pl.specify)										
	Grand Total	**2**	**41**	**30**	**71**				**41**	**30**	**71**

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	5	91	32	123	7	3	10			
Krishimela (Participated & Exhibited)	6	49700	12103	61803	27300	2400	29700			
Method Demonstrations	24	454	26	480	43	5	48			
Farmers Seminar										
Workshop	10	210	41	251	6	8	14			
Group meetings	51	1500	59	1559	35	20	55			
Lectures delivered as resource persons	72	3500	1603	5103	400	80	480			
Newspaper coverage	46									
Radio talks	15									
TV talks	6									
Popular articles										
Popular articles published in farm magazines										
Research papers published in scientific journals										
Extension Literature										
Advisory Services	695	550	300	850	40	5	45			
Scientific visit to farmers field	142	390	50	440	7	1	8			
Farmers visit to KVK		1500	400	1900	47	31	78			
Diagnostic visits	28	61	7	68	8	3	11			
Exposure visits	3	91	30	121	8	6	14			
Farm trials	-									
Ex-trainees Sammelan	-									
Soil health Camp	-									
Animal Health Camp	1	26	2	28						
Agri mobile clinic	-									
Soil test campaigns	-									
Farm Science Club Conveners meet										
Self Help Group Conveners meetings										
Mahila Mandals Conveners meetings										
Celebration of important days	8	778	22	800						
Video/CD/Film shows	7									
Farmers –Scientist interaction	12	798	6	804						

Bi-monthly	3							130	10	140
Tri-monthly	3							89	11	100
SMS messages	19			1894						
Soil health day	1	74	15	89				25	3	28
Kharif Mela										
Jack Mela-2016	1	4300	1413	5713	150	70	220	52	15	67
Any Other (Specify)										
Total	**1158**									

PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIALS

9.A. Production of seeds by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Quantity of seed (kgs)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)	Greengram	KKM	-	14	2170	3
Oilseeds						
Pulses	Cowpea	Arka Garima	-	15.913	6180.4	30
Commercial crops						
Vegetables	Okra (Ladys finger)	White velvet	-	45.68	54816	79
Flower crops						
Spices	Pepper	Panniyur	-	0.5	325	1
Fodder crop seeds	Fodder	COFS-29	-	5.15	3090	17
Fiber crops						
Forest Species						
Others (specify)						
Total					**66581.40**	

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	Cowpea	Meteralasande	-	19	190	5
	Little gourd	Local	-	257	3855	75
Fruits	Sapota	Circket ball	-	46	2300	11
	Sapota	Kalipatti	-	182	9100	14
	Papaya	Taiwan red lady	-	3442	51630	171
	Banana	Puttabale	-	82	656	15
Ornamental plants						
Medicinal and Aromatic						
Plantation	Coconut	WCT	-	1152	66890	137
	Cashew	Ullal-1	-	834	16680	30
	Arecanut	Mohitnagar	-	6882	137640	131
Spices	Pepper	Panniyur	-	1029	10290	78
	Bush Pepper	Panniyur	-	49	1470	15
Fodder crop saplings	Fodder crop	Sampoorna	-	11030	22060	25
Forest Species						
Others(specify)Flower	Jasmine	Udupi Jasmine	-	2205	55125	163
Total					**377886**	

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

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	Number of farmers to whom provided
Bio Fertilizers				
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others (specify)				
Total				

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	Giriraja	1982	172720	68
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl.specify)				
Fisheries				
Fingerlings	Catla, Rohu	700	3500	1
Others (Pl. specify)	Cashew apple syrup	31	2325	14

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

Positive effect of lime application which is being experienced by the farmers

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	Variability Analysis of Rainfall and Temperature on Growth and Yield of Different Kharif crop at Udupi District of Karnataka	M. Hanumanthappa T.H. Ranjith S. Sridhara R. Nagaraj B. Dhananjaya	
	Impact of m-Kisan SMS in Adoption of Agricultural Technologies by Farmers of Udupi District of Karnataka	M. Hanumanthappa T.H. Ranjith R. Nagaraj B. Dhananjaya	
	A Study on Different Cashew Based Cropping System Followed by Farmers of Shivamogga District and It's Impact on Income and Employment Geeneration to the Growers	K.V. Akshath B. Dhananjaya T.H. Ranjith R. Nagaraj	
	A Study on Socio-Economic Characteristics and Adoption Level of Farmers Following Cashew Based Cropping System in Shivamogga District of Karnataka State	K.V. Akshath B. Dhananjaya T.H. Ranjith R. Nagaraj	
	Impact of Agromet Advisories Issued Based on Medium Range Weather Forecast on Economics of Different Crops in Udupi District of Karnataka	M. Hanumanthappa T.H. Ranjith R. Nagaraj K.V. Sudhir Kamath B. Dhananjaya V.R. Vinod	
	Performance of Arecanut Based Mixed Cropping Systems (Banana, Black Pepper, Elephant Foot Yam and Cassava)	M. Hanumanthappa , N. Shambhulingappa, H.S.	

		Chaitanya, K.V.Sudhir Kamath, T.H. Ranjith	
	Effect of Plant Growth Regulators on Yield Parameters of Pepper (Piper nigrum L.) var. Panniyur–4		
	Popularization of Mechanized Technologies in paddy through Frontline Demonstrations in Coastal Karnataka of Udupi District		
Technical reports			
Books	Production technology in cashew	H.S. Chaitanya	
	Improved cultivation practices in Udupi Jasmine	Shivakumar	
	Integrated Farming Systems in Black Pepper	H.S. Chaitanya	
	ತೋಟಗಾರಿಕೆ ಬೆಳೆಗಳ ಉತ್ಪಾದನೆ ಪ್ರಾಯೋಗಿಕ ಕೈಪಿಡಿ	H.S. Chaitanya	
	ತೋಟಗಾರಿಕೆ ಬೆಳೆಗಳ ಸಸ್ಯಾಭಿವೃದ್ಧಿ ಪ್ರಾಯೋಗಿಕ ಕೈಪಿಡಿ	H.S. Chaitanya	
Folders			
Technical bulletins			
Popular articles			
Training manual			
Extension literature			
Others (Pl. specify)			
TOTAL			

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)

Success Story of IFS Demonstration

Name of the Farmer : **Mr. Satheesh Kumar Jain**
Place : **Shirlalu Village**, Karkala Taluk, Udupi District
Education: **4th Standard**
Size of the Family : **2 + 2**
Land Holding : **4 Acres**
Subsidiary Activity : **Dairy (10 C.B. Cows)**

KVK Intervention

- Taken up pepper wilt management demonstration
- Animal Health management through Govt. Veterinary Doctor
- Mineral mixtures given through KVK
- Fodder Demonstration
- Yard long Beans Demonstration
- Taken up Paddy cultivation through Mechanization
- Paddy cum Poultry Demonstration
- Vegetable Cultivation
- Bee Keeping Demonstration
- Taken to UAHS Krishi Mela
- Exposure Visit to Award Winner Dairy farm










Income Generated

Particulars	Amount
Paddy (40 Q/2 Ac)	72,000
Arecanut (8 qtl.)	1,62,000
Pepper (63 kg)	38,000
Vegetables	22,000
Coconut (Planted all along the borders)	26,000
Poultry (Paddy cum Poultry Demo 20 Birds)	12,000
Dairy (on an Avg 10 cows yielding out of 8) Milk sold to Dairy 100 L/day to MPCS	11,52,000
Gross Returns	14,84,000
Gross Cost	5,95,700
Net Returns	8,88,300
BC Ratio2.49	2.49

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

1. Role playing
2. Focused Group Discussion Method
3. PRA techniques
4. Participatory Technology Development
5. ITKs
6. Multimedia
7. Folk media
8. Television and Radio
9. Field days
10. Extension Campaign

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)

Title of the experiment	:	Indigenous crop production practices in Udupi district of Karnataka				
Objectives	:	Documentation of Indigenous crop production practices				
Experimental Details:	:					
Design	:	Survey and documentation	Location	:	Udupi	
Replications	:	Non replicated	Year	:	2016	

Progress:
Totally 16 ITK methods of local farmers in crop production were documented in Udupi District

Sl. No.	ITKs' documented	Significance
1.	Spraying Jeevamritha : A week old filtered fermented preparation consisting of Bengal gram (*Cicer arietinum*) flour- 2 Kg; Jaggery -2 Kg; Cow dung – 5 Kg Cow urine – 5 l; Top soil – 2 Kg; Groundnut cake- 2 kg; fermented butter milk – 2 liter in a copper container	Acted as a nutrient supplement to the crop in paddy
2.	Spraying Paddy with a week old fermented decoction of neem cake, extract of tobacco leaves, sour buttermilk, fish oil and Jeevamrita	Increased the productive tillers and promoted luxuriant growth.
3.	Butter milk spray for vegetables	Resulted in robust growth of vegetables
4.	Nipping water shoots in jasmine	resulted in profuse flowering
5.	Spray of 42 days old fermented butter milk stored in copper container at 10 days interval @ a 1ilre in 10 liter of water to jasmine.	Reduced pests and diseases in Jasmine and it also helped to overcome the micro nutrient deficiencies

6.	Application of top soil along with vermi compost to cowpea	Resulted in good germination and early crop establishment of cowpea.
7.	Application of well decomposed areca husk compost in rotation with gobar gas slurry.	Supplemented potash to cowpea
8.	Application of coconut coir pith and rice hull compost for cowpea	Boosted the crop growth and acted as a potash supplement
9.	Vermi wash spray to cowpea	Enhanced yield and resulted in a healthy crop stand
10.	Spraying one month old fermented mixture of 3 Kg Azzola with 1 Kg Jaggery at the rate of 1 ml of extract in 1 liter of water to jasmine.	Increased flowering and yield
11.	Bio digester spraying/ drenching the crop jasmine in the proportion 1 liter in 3 liter of water	Acted as a pesticide and micro nutrient supplement.
12.	Growing banana as an intercrop in areca nut orchard	Helped in the moisture management.
13.	Application of salt granules for coconut	Reduced button shedding in coconut and also acted as a substitute to potash and repulsed the insects
14	Application of ash	Added potash to the soil, improved soil properties.
15.	Use of dried coconut fronds:	Acted as shade material for beetle vine cultivation and provided the shade .
16.	Earthing up (Raking the soil) to the areca nut palms with organic manure	enhanced fresh rooting due to loosening of soil and rebuilding soil fertility after heavy rains

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

- Identification of courses for farmers/farm women - Through PRA and need analysis of the farmers/Farmwomen at Village
- Inservice personnel- Need analysis and Scientist and officers interaction meeting
- Focused group discussion meeting
- Training needs of the rural youth
- Training needs of the farmers

10.G. Field activities

i. Number of villages adopted-21
ii. No. of farm families selected -167
iii. No. of survey/PRA conducted-15

10.H. Activities of Soil and Water Testing Laboratory

Status of establishment of Lab : Full pledged Establishment in the Year 2002

1. Year of establishment : 2002

2. List of equipments purchased with amount :

Sl. No	*Name of the Equipment*	*Qty.*	*Cost*
1.	Autoclave- Vertical	1	25,500
2	Combined Electrode Model CL -518	1	1,000
3	Digital Conductivity meter	1	7,400
4	Digital Micropipettes	1	18,827
5	Digital PH meter	1	8,550
6	Double glass distillating unit	1	49,000
7	Ducting from fume cupboard	1	23,000
8	Electronic Acid Neutralizer scrubber	1	24,000
9	Electronic automatic kel plus microprocessor (Digestion system)	1	53,000
10	Electronic automatic kel plus microprocessor (Distillation system)	1	86,000
11	FGL I 615 PH meter	1	6,346
12	Flame photometer	1	39,000
13	Fume cup board	1	42,000
14	Hot air oven	1	20,000
15	Hot air oven PSM make	1	18,370
16	Hot plate with thermostatic control	1	9,600

Sl. No	*Name of the Equipment*	*Qty.*	*Cost*
17	Laminar air flow	1	44,900
18	LG Frost free refrigerator	1	22,000
19	Magnetic stirrer with hot plate	1	5,500
20	Physical balance	1	12,000
21	Research Microscopes	1	59,160
22	Rotary Shaker	1	28,000
23	Spectrophotometer	1	46,200
24	Top loading balance	1	49,000

Details of samples analyzed so far since establishment of SWTL:

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	3274	2954	1674	107220
Water Samples	670	586	488	48200
Plant samples				
Manure samples				
Others (specify)				
Total	**3944**	**3540**	**2162**	**155420**

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	269 Nos	197	183	27169
Water Samples	143 No	138	127	14300
Plant samples				
Manure samples				
Others (specify)				
Total	**412**	**335**	**310**	**28599**

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

Period of observing Technology Week : From 26.12.2016 to 31.12.2016
Total number of farmers visited : 573
Total number of agencies involved : 5
Number of demonstrations visited by the farmers within KVK campus : 7

Other Details

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies	11	16323	• Value addition of Jack fruit • Present and future status of Jack fruit in Karnataka • Horticultural crops seminar • Use of modern implements in agriculture • Profitable integrated farming systems • Profitable groundnut cultivation in residual moisture • Blackgram cultivation using residual moisture • Fish farming in coastal farm ponds • Vermi composting and vermi wash production • Disease management in Beekeeping • Artificial queen rearing techniques
Lectures organized	18	1987	• Value addition of Jack fruit • Present and future status of Jack fruit in Karnataka • Horticultural crops seminar • Use of modern implements in agriculture • Profitable integrated farming systems • Profitable groundnut cultivation in residual moisture • Blackgram cultivation using residual moisture • Fish farming in coastal farm ponds • Vermi composting and vermi wash production • Disease management in Beekeeping • Artificial queen rearing techniques

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Exhibition (Participated & Exhibited)	6	91503	
Film show	7	11000	
Fair	3	503	
Farm Visit	142	448	Paddy, Swarnadhara poultry, vegetable crops, horticulture crops,
Diagnostic Practical's	28	79	Groundnut, Pepper, Brinjal, Arecanut
Supply of Literature (No.)	8	3700	Horticulture crops
			Pepper cultivation
			Groundnut cultivation
			Pest management in Pulses
			Paddy mechanization
			Prawn culture
			Ornamental fish culture
			Cashew cultivation
Supply of Seed (q)	-	-	-
Supply of Planting materials (No.)			-
Bio Product supply (Kg)	-	-	-
Bio Fertilizers (q)	-	-	
Supply of fingerlings	3	20	Catla, Rohu, Common carp and Grass carp
Supply of Livestock specimen (No.)	3	1500	Giriraja & Raja-II poultry birds
Total number of farmers visited the technology week	6	573	1. Value addition in coconut and extraction of Neera (Kalparas) from coconut 2. Poultry farming 3. Importance of soil testing, INM in coastal region and Vermicompost and vermi wash production technologies 4. Mushroom cultivation 5. Groundnut cultivation and horticulture crops seminar 6. Fish farming in coastal farm ponds

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	25	67 (under Bhoo Samrudhi Yojana)
Pulses	10	59 (under Bhoo Samrudhi Yojana)
Cereals	140	448 (under Bhoo Samrudhi Yojana)
Vegetable crops	2.6	50 (under Bhoo Samrudhi Yojana)
Tuber crops		
Total		

C. Farmers-scientists interaction on livestock management - Nil

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
Karnataka	1	56	28
Total			

E. Seed distribution in drought hit states- Nil-

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

F. Large scale adoption of resource conservation technologies –Nil-

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
					5	133	3	503	3	91000	7	11000
Total					**5**	**133**	**3**	**503**	**3**	**91000**	**7**	**11000**

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./ha)	*After (Rs./ha)*
Foliar nutrition and use of Arka Microbial Consortium in Black pepper	10	80%	213550	359530
Power operated paddy weeder	11	60%	13271	17906
Soil acidity management in paddy	10	70%	27594	37090
Demonstration of Polythene mulch and use of Arka Microbial consortium in Watermelon Cultivation	5	80%	123050	226700
Demonstration of Nutrition garden for nutrition security among school children	5	90%	-	2803
INM in Blackgram	10	40%	10000	12000
High yielding IIHR yard long bean variety Arka Mangala	20	90%	159350	197090
ICM in Bhendi	5	75%	234180	338530
ICM in Fieldbean (HA-4)	11	20%	24330	22050
Groundnut variety ICGV 91114 in paddy fallows	14	20%	102433	101333
Integrated Nutrient Management in Cucumber	10	30%	66000	30000
High yielding Sesamum variety DS-5 in paddy fallows	7	40%	14300	6000
ICM in Groundnut	10	50%	81000	57766

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

PART XII - LINKAGES

12.A. Functional linkage with different organizations

Name of organization	*Nature of linkage*
SKDRDP	Training Programme and demonstrations
RUDSET	Training Programme
Novodaya SHGs	Training Programme
KSDA	Demonstration cum Training Programme
KCDC	Demonstration cum Training Programme
DCCD	Demonstration cum Training Programme
Dept. of Agri.	Training Programme
Dept. of Horti.	Training Programme
Dept. of Fisheries	Demonstration cum Training Programme
Dept. of AH & VS	Training Programme
BVT, Manipal	Training Programme
Engineering College, Nitte	Agricultural implements
MIT	Marketing linkage for Mattugulla, Brinjal

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

12.B. List Externally Funded Projects / schemes undertaken by the KVK and operational now, which have been financed by State Govt./Other Agencies

Name of the scheme	Role of KVK	Date/ Month of initiation	Funding agency	Amount (Rs.)
Adopted village	To conduct Training Programme	25.06.2016	Director of Extension UAHS, Shivamogga	1,00,000.00
Short term certificate training programme on Bee keeping		06.12.2016	UAHS, Shivamogga	4,00,000.00

Implementing large scale demonstrations to increase the productivity of rice through mechanization under state plan grants during Kharif/Rabi/Summber		21.06.2016	UAHS, Shivamogga	5,00,000.00
Wilt management in Black Pepper		29.06.2016	UAHS, Shivamogga	4,00,000.00
Demonstration of Black Gram Under ATMA Project	For Distribution	24.11.2016	Director of Research UAHS, Shivamogga	60,000.00
Evaluate the growth performance of fish seeds and paddy production through establishment of paddy cum fish culture unit in low land paddy fallows	To conduct training programme	24.10.2016	Director of Research UAHS, Shivamogga	6,00,000.00
Short term certificate course on value addition to agricultural and horticultural crops for un employed rural youth / farmers and SHGs at Coastal Karnataka		06.12.2016	UAHS, Shivamogga	5,00,000.00
Conducting Pre-Rabi awareness programme		24.03.2017	ATARI, ICAR, Bangalore	80,000.00
Training and demonstration and capacity building programme		14.06.2016	Director of Extension, UAHS, Shivamogga	85,500.00
Setting up of mini soil testing lab for the year 2016-17		31.03.2017	UAHS, Shivamogga	86,000.00
Conducting one batch of three days farmers training programme on integrated crop management technologies in Cashew		10.05.2016	DCCD, Kochi	90,000
State Level Jack Mela 2016-17		26.03.2016	Director of Extension UAHS, Shivamogga	25,000

12.C. Details of linkage with ATMA

a) Is ATMA implemented in your district

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

KVK, Brahmavar in collaboration with ATMA conducted PRA in the selected representative villages of Udupi District for preparation of SREP and all the inputs of different enterprises for the preparation of SREP was given by KVK, Scientists

Coordination 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**	7	7		
02	**Research projects**				
03	**Training programmes**	16	12	-	
04	**Demonstrations**				
05	**Extension Programmes**				
	Kisan Mela				
	Technology Week	1	1		Vermi compost production
	Exposure visit				
	Exhibition				
	Soil health camps as resource	6	4		
	Animal Health Campaigns	1	1		
	Others (Pl. specify) /Field day	4	2		
06	**Publications**				
	Video Films				
	Books				
	Extension Literature				
	Pamphlets				
	Others (Pl. specify				
07	**Other Activities** (Pl. specify)				
	Watershed approach				
	Integrated Farm Development	1	1		
	Agri-preneurs development				

12.D. Give details of programmes implemented under National Horticultural Mission – Nil-

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

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

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

1. G Kisan Mobile Advisory Services

Month	*No. of SMS sent*	*No. of farmers to which SMS was sent*	*No of farmers*	*No. of feedback / query on SMS sent*
26.05.2016	1	ಗೇರು ಬೆಳೆಯಲ್ಲಿ ಸಮಗ್ರ ಬೆಳೆ ಉತ್ಪಾದನಾ ತಂತ್ರಜ್ಞಾನ ತರಬೇತಿಯನ್ನು ದಿನಾಂಕ 01.06.2016 ರಿಂದ 03.06.2016 ರವರೆಗೆ ಕೃಷಿ ವಿಜ್ಞಾನ ಕೇಂದ್ರ, ಬ್ರಹ್ಮಾವರದಲ್ಲಿ ಹಮ್ಮಿಕೊಳ್ಳಲಾಗುವುದು. ಆಸಕ್ತ ರೈತ ಹಾಗೂ ರೈತ ಮಹಿಳೆಯರು ಬಾಗವಹಿಸಬೇಕಾಗಿ ವಿನಂತಿ	1503	
30.05.2016	1	ಅಡಿಕೆ ಬೆಳೆಗಾರರು ಕೊಳೆರೋಗದ ಯಶಸ್ವೀ ಹತೋಟಿಗೆ ಶೇ 1 ರ ಬೋರ್ಡೋ ದ್ರಾವಣವನ್ನು ಮೇ ಕೊನೆಯ ವಾರದಲ್ಲಿ ಮುಂಜಾಗುರುತ ಕ್ರಮವಾಗಿ ಅಡಿಕೆ ಬೆಳೆಗೆ ಸಿಂಪಡಿಸಬೇಕು	1503	
08.06.2016	1	ಬತ್ತದ ಬೆಳೆಯಲ್ಲಿ ಬೀಜದಿಂದ ಬೀಜದವೆರೆಗೆ ಯಾಂತ್ರಿಕೃತ ಬೇಸಾಯ ತರಬೇತಿಯನ್ನು ದಿನಾಂಕ 13.06 2016 ರಿಂದ 14.06 2016 ರವರೆಗೆ ಕೃಷಿ ವಿಜ್ಞಾನ ಕೇಂದ್ರ, ಬ್ರಹ್ಮಾವರದಲ್ಲಿ ಹಮ್ಮಿಕೊಳ್ಳಲಾಗುವುದು. ಆಸಕ್ತ ರೈತ ಹಾಗೂ ರೈತ ಮಹಿಳೆಯರು ಬಾಗವಹಿಸಬೇಕಾಗಿ ವಿನಂತಿ. ದೂರವಾಣಿ ಸಂಖ್ಯೆ:0820-2563923/9964177474	1442	
18.06.2016	1	ಉಡುಪಿ ಮತ್ತು ಸುತ್ತಮುತ್ತಲ ಜಿಲ್ಲೆಗಳಲ್ಲಿ ಮಳೆಯಾಗಿರುವುದರಿಂದ ರೈತರು ಮಾಗಿ ಉಳುಮೆ ಮಾಡಿ ಗದ್ದೆಗಳನ್ನು ಭತ್ತದ ನಾಟಿಗೆ ಸಿದ್ಧತೆ ಮಾಡಿ ಕೊಳ್ಳಬೇಕು. ಮಾಗಿ ಉಳುಮೆ ಮಾಡುವಾಗ ಎಕರೆಗೆ 150 ಕೆ. ಜಿ ಬೇವಿನ ಹಿಂಡಿ ಹಾಕಿದರೆ ಮುಂದೆ ಬರುವ ಕೀಟ ಮತ್ತು ರೋಗಗಳನ್ನು ನಿಯಂತ್ರಿಸಬಹುದಾಗಿದೆ	1495	
23.06.2016	1	2016-17 ನೇ ಸಾಲಿನ ಹವಾಮಾನ ಆಧಾರಿತ ಬೆಳೆ ವಿಮೆ ಯೋಜನೆಯನ್ನು ಅಡಿಕೆ ಮತ್ತು ಕರಿಮೆಣಸು ಬೆಳೆಗೆ ನಿಗದಿಪಡಿಸಿದ್ದು	1473	

		ಅಡಿಕೆ 2500/ಪ್ರತಿ ಎಕರೆಗೆ, ಕಾಳುಮೆಣಸು 750/ಪ್ರತಿ ಎಕರೆಗೆ ಕಟ್ಟಿ ಬೆಳೆ ವಿಮೆಯ ಪ್ರಯೋಜನ ಪಡೆಯಬಹುದು. ಸಂಪರ್ಕಿಸಿ ತೋಟಗಾರಿಕೆ ಉಪನಿರ್ದೇಶಕರು(ಜಿ.ಪಂ.), ಉಡುಪಿ ದೂರವಾಣಿ ಸಂಖ್ಯೆ: 0820-2531950		
28.06.2016	1	ರಾಜ್ಯ ಮಟ್ಟದ ಹಲಸಿನ ಹಬ್ಬ 2016 ನ್ನು ಜುಲೈ 1 ಮತ್ತು 2 ರಂದು ರಾಜಾಂಗಣ ಸಭಾಭವನ, ಶ್ರೀ ಕೃಷ್ಣ ಮಠ, ಉಡುಪಿಯಲ್ಲಿ ಹಮ್ಮಿಕೊಳ್ಳಲಾಗಿದ್ದು ಆಸಕ್ತರು ಇದರ ಪ್ರಯೋಜನವನ್ನು ಪಡೆದು ಕೊಳ್ಳಲು ಕೋರಲಾಗಿದೆ. ಕಾರ್ಯಕ್ರಮ ಸಂಯೋಜಕರು, ಕೆವಿಕೆ, ಬ್ರಹ್ಮಾವರ	1513	
27.07.2016	1	ಕರಾವಳಿಯಲ್ಲಿ ಮೀನುಕೃಷಿ ತರಬೇತಿ ಕಾರ್ಯಕ್ರಮ ಮತ್ತು ಪ್ರಾತ್ಯಕ್ಷಿಕೆಯನ್ನು ಕೃಷಿ ವಿಜ್ಞಾನ ಕೇಂದ್ರ, ಬ್ರಹ್ಮಾವರದಲ್ಲಿ ದಿನಾಂಕ 29.07.2016 ರಂದು ಹಮ್ಮಿಕೊಳ್ಳಲಾಗಿದ್ದು ಆಸಕ್ತ ರೈತರು ಹಾಗು ರೈತ ಮಹಿಳೆಯರು ಇದರ ಪ್ರಯೋಜನವನ್ನು ಪಡೆದು ಕೊಳ್ಳಬೇಕಾಗಿ ಈ ಮೂಲಕ ವಿನಂತಿ. ಕಾರ್ಯಕ್ರಮ ಸಂಯೋಜಕರು, ಕೆವಿಕೆ ಬ್ರಹ್ಮಾವರ	1513	
08.07.2016	1	Mechanized rice transplanting campaign over 100 acres in a single day on 10.07.2016 at Agrahara, Brahmavar. Honorable Agril. Minister will inaugurate. District Incharge Minister will preside over. Please attend the same.	1510	
12.08.2016	1	ಅಡಿಕೆ ಗಿಡಕ್ಕೆ 6 ರಿಂದ 8 ವರ್ಷ ಆದಮೇಲೆ ಕಾಳು ಮೆಣಸಿನ ಬಳ್ಳಿಯನ್ನು ಉತ್ತರ ದಿಕ್ಕಿನಲ್ಲಿ ಗಿಡದಿಂದ 75 ಸೆಂ. ಮಿ ದೂರದಲ್ಲಿ ನೆಡಬೇಕು	1560	
25.08.2016	1	ನಾಟಿ ಮಾಡಿದ 15 - 20 ದಿವಸದ ಬೆಳೆ ಇದ್ದರೆ ಸಾಲುಗಳ ಮಧ್ಯದಲ್ಲಿ ಕೊನೋವೀಡರ್ ಬಳಸಿ ಕಳೆ ನಿಯಂತ್ರಣ ಮಾಡಬೇಕು	1591	
29.08.2016	1	ಭತ್ತದ ಗದ್ದೆಯಲ್ಲಿ ಭತ್ತವು 60 -75 ದಿವಸಗಳಾಗಿದ್ದು ಗದ್ದೆಯಲ್ಲಿ ನೀರಿನ ಮಟ್ಟವನ್ನು 2.5 ಸೇ ಮೀ ನಿಂದ 5.೦೦ ಸೇ ಮೀ ಆಳವನ್ನು ನಿರ್ವಹಿಸಬೇಕು	1591	
14.09.2016	1	ಉಡುಪಿ ಜಿಲ್ಲೆಯ ಹೆಚ್ಚಿನ ಬತ್ತದ ಗದ್ದೆಗಳಲ್ಲಿ ತಲೆ ಹುಳು (ಕೊಳವೆ ಹುಳು) ಬಾದೆ ಹೆಚ್ಚಾಗಿ ಕಂಡುಬಂದಿರುವುದರಿಂದ ಇದರ ಹತೋಟಿಗೆ ಕ್ವಿನಾಲ್‌ಫಾಸ್ 2 ಮಿ.ಲೀ ಪ್ರತಿ ಲೀಟರ್ ನೀರಿಗೆ ಬೆರೆಸಿ ಸಿಂಪಡಿಸಿ	1593	
28.09.2016	1	ಕಾಳುಮೆಣಸಿನಲ್ಲಿ ಎಲೆಚುಕ್ಕೆ ರೋಗ ಮತ್ತು ಕಾಳು ಕೊಳೆರೋಗ (ಕರೆ ಕೊಳೆಯುವ ರೋಗ) ಬಾದೆ ಹೆಚ್ಚಾಗಿದ್ದು ಇದರ ಹತೋಟಿಗೆ ಹೆಕ್ಸಾಕೊನಜೋಲ್ 1 ಮೀ.ಲಿ prati ಲೀಟರ್ ನೀರಿಗೆ ಬೆರೆಸಿ ಸಿಂಪಡಿಸಬೇಕು. ಪಿ. ಸಿ. ಕೆವಿಕೆ, ಬ್ರಹ್ಮಾವರ	1828	
05.11.2016	1	ಕರಾವಳಿ ಪ್ರದೇಶದಲ್ಲಿ ಬತ್ತದ ಬೆಳೆಯ ನಂತರ ಹಿಂಗಾರು ಬೆಳೆಯಾಗಿ ಉದ್ದು ಬೆಳೆಯನ್ನು ಬೆಳೆಯಲು ಸೂಕ್ತವಾದ ಟಿ-9 ಮತ್ತು ರಶ್ಮಿ ತಳಿಯನ್ನು ಆಯ್ಕೆಮಾಡಿ	1862	
24.12.2016	1	ಕಾಳುಮೆಣಸಿನ ಪ್ರತಿ ಬಳ್ಳಿಗೆ 50 ರಿಂದ 60 ಗ್ರಾಂ ಟ್ರೈಕೋಡರ್ಮಾ ವಿರಿಡೆ ಶಿಲಿಂಧ್ರವನ್ನು 1 ಕಿ.ಗ್ರಾಂ ಬೇವಿನ ಹಿಂಡಿ ಅಥವಾ 5 ಕಿ.ಗ್ರಾಂ ಕೊಟ್ಟಿಗೆ ಗೊಬ್ಬರದಲ್ಲಿ ಮಿಶ್ರಣ ಮಾಡಿ ಬುಡಕ್ಕೆ ಹಾಕಬೇಕು	1893	
11.01.2017	1	ತೆಂಗಿನಲ್ಲಿ ನುಸಿ ಹತೋಟಿಗೆ ಪ್ರತಿ ಮರದ ಬುಡಕ್ಕೆ 5 ಕೆ.ಜಿ. ಬೇವಿನ ಹಿಂಡಿ ಹಾಗೂ 1 ಕೆ.ಜಿ ಪೊಟ್ಯಾಶ್ ಗೊಬ್ಬರ ಹಾಕಬೇಕು	1894	

21.03.2017	1	ಉಡುಪಿ ಮಲ್ಲಿಗೆಯಲ್ಲಿ ಗೂಡು ಹುಳುಗಳ ಹತೋಟಿಗೆ 1 ಮಿ.ಲೀ ಮೋನೋಕ್ರೊಟೋಫಾಸ್ ಪ್ರತಿ ಲೀಟರ್ ನೀರಿಗೆ ಬೆರೆಸಿ ಸಿಂಪಡಿಸಬೇಕು	1894	
30.03.2017	1	ಉಡುಪಿ ಮಲ್ಲಿಗೆಯಲ್ಲಿ ಸುರುಳಿ ಹುಳು ಹತೋಟಿಗೆ ಬಾಧಿತ ಮಲ್ಲಿಗೆ ಗಿಡಗಳ ಭಾಗಗಳನ್ನು ಹುಳುಸಹಿತ ಕಿತ್ತು ಕ್ವಿನಾಲ್ ಫಾಸ್ 2 ಮಿ.ಲೀ ಪ್ರತಿ ಲೀಟರ್ ನೀರಿಗೆ ಬೆರೆಸಿ ಸಿಂಪಡಿಸಬೇಕು	1894	
31.03.2017	1	ತೆಂಗಿನಲ್ಲಿ ನುಸಿ ಹತೋಟಿಗೆ ಪ್ರತಿ ಮರದ ಬುಡಕ್ಕೆ 5 ಕೆ.ಜಿ. ಬೇವಿನ ಹಿಂಡಿ ಹಾಗೂ 1 ಕೆ.ಜಿ ಪೊಟ್ಯಾಶ್ ಗೊಬ್ಬರ ಹಾಕಬೇಕು	1894	
Total for the year 2016-17	**19**		**31446**	

PART XIII- PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	*Demo Unit*	*Year of establish ment*	*Area (ha)*	*Details of production*			*Amount (Rs.)*		*Remarks*
				Variety	*Produce*	*Qty.*	*Cost of inputs*	*Gross income*	
1.	Ladys finger	2016		White velvet	Seeds	45.68	35000	54816	
2.	Cowpea	2016		Arka garima	Seeds	15.91	4000	6180	
3.	Fodder block	2016		COFS-29	Seeds	5.51	2000	3090	
4.	Greengram	2016		KK M	Seeds	14.00	1500	2170	
5.	Pepper	-		Panniyur	Seeds	0.5	200	325	
6.	Fodder block	2016		Sampoorna	Slips	11030	12000	22060	
7.	Jasmine			Udupi Jasmine	Seedlings	2205	30000	55125	
8.	Banana	2014		Puttabale	Suckers	82	400	656	
9.	Nursery								
10.	Coconut			WCT	Seedlings	1152	45000	66890	
11.	Sapota			Cricket ball	Seedlings	46	1500	2300	
12.	Sampota			Kalipatti	Seedlings	182	6000	9100	
13.	Cashew			Uallal-1	Seedlings	834	10000	16680	
14.	Papaya			Thaiwan red lady	Seedlings	3442	35000	51630	
15.	Arecanut			Mohitnagar	Seedlings	6882	80000	137640	
16.	Pepper			Panniyur	Seedlings	1029	8000	10290	
17.	Bush pepper			Panniyur	Seedlings	49	900	1470	

18.	Little gourd			Local	Seedlings	257	2700	3855	
19.	Cowpea			Meter alasande	Seedlings	19	100	190	

13.B. Performance of instructional farm (Crops) including seed production – Nil-

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Pulses									
Oilseeds									
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits									
Vegetables									
Okra									
Cowpea									
Others (specify)									

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

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

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

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

13.E. Utilization of hostel facilities – Nil-

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.		Database Management in OLRS format designed by ATARI, Bengaluru KMAS - Four messages per month Upload the KVK website Reports - MPR, QPR, Annual Report, Action Plan Report, EPCB, ZREP, SAC

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	-	-	-	-	-	-	-
With KVK	Canara Bank	Varamballi, Brahmavar	0466	S.B. Account	0466101172871 0466101173629		CNRB 0000466

14.B. Budget - Details of budget utilization (2016-17) up to 31 March 2017

Sl. No.	Particulars	Sanctioned	Revised	Expenditure
25.1	Recurring Contingencies			
25.1.1	Pay & Allowances	75.66	70.17	82,91,155
25.1.2	Traveling allowances	1.50	1.75	1,94,579
25.1.3	Contingencies			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2.50	2.50	2,48,532
B	POL, repair of vehicles, tractor and equipments	1.75	2.60	2,68,360
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	0.75	0.80	81,596
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.70	0.70	69,664
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	2.43	2.43	2,42,619
F	NFSM			
G	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.57	0.60	53,047
H	Training of extension functionaries	0.25	0.30	7,629
I	Maintenance of buildings	0.50	0.50	49,517
J	Integrated Farming Systems	0.30	0.30	29,400
K	Farmers Field School	0.30	0.30	29,625
L	Extn. Activities	0.26	1.06	60,580
M	Establishment of Soil, Plant & Water Testing Laboratory	0.50	0.50	45,484
25.1	Library	0.10	0.10	4,110
25.2	TOTAL Recurring Contingencies	88.07	84.61	96,75,897
25.2.1	Non-Recurring Contingencies			
25.2.2	Works			
15.2.3	Equipments including SWTL & Furniture	4.00	4.00	4,47,901
25.2.3	Vehicle (Four wheeler/Two wheeler, please specify)	8.0	8.0	
25.2.4	Library (Purchase of assets like books & journals)			
25.2	TOTAL Non-Recurring Contingencies	12.00	12.00	4,47,901

Sl. No.	Particulars	Sanctioned	Revised	Expenditure
25.3	REVOLVING FUND			
25.4	GRAND TOTAL	100.07	96.61	1,01,23,798

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2014 to March 2015	295478	695707	750103	241082
April 2015 to March 2016	241082	646323	587150	300255
April 2016 to March 2017	300255	769970	359954	710271

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

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Dr. Dhananjaya B Mr Shivakumar	Senior Scientist & Head	Beekeeping	Forestry College, Ponnampet	11.09.2016 to 12.09.2016
Shrinivas H Hulkoti	Scientist (Fishery Science)	National orientation workshop for the fisheries SMS	NFDB	16-17th June 2016
		New Dimensions in Fisheries Extension Management	NFDB	27th June 2016 to 2nd July 2016
		Low cost production technology for sustainable agriculture	IAT, Bangalore	
Dr. Jayaprakash R.	Scientist (SS & AC)	SREP for field functionaries	SAMETI (South),Bengaluru	08.08.2016 to 11.08.2016

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

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	Cashew	INM in Cashew	10
	Nutrition garden	Demonstration of Nutrition garden for nutrition security among school children	5
	Blackgram	INM in Blackgram	10
	Cucumber	Integrated Nutrient Management in Cucumber	10
	Groundnut	ICM in Groundnut	10
	Paddy	Soil acidity management in paddy	10
Varietal Evaluation	Groundnut	Groundnut variety ICGV 91114 in paddy fallows	14
	Sesamum	High yielding Sesamum variety DS-5 in paddy fallows	7
Integrated Pest Management			
Integrated Crop Management	Black Pepper	Foliar nutrition and use of Arka Microbial Consortium in Black pepper	10
	Yard long bean	High yielding IIHR yard long bean variety Arka Mangala	20
	Bhendi	ICM in Bhendi	5
	Mango	Fruit set management in mango	6
	Field bean	ICM in Fieldbean (HA-4)	11
Integrated Disease Management			
Weed Management	Paddy mechanization	Power operated paddy weeder	11
	Watermelon	Demonstration of Polythene mulch and use of Arka Microbial consortium in Watermelon Cultivation	5
Farm Machineries			
Integrated Farming System			
Seed / Plant production			
Value addition			
Drudgery Reduction			

Thematic areas	Crop	Name of the technology assessed	No. of trials
Storage Technique			
Mushroom cultivation			
Total			

Summary of technologies assessed under livestock

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials
Evaluation of breeds			
Nutrition management			
Disease management			
Value addition			
Production and management	Fish	Mixed Carp Seed Rearing in Pens	3
	Fish	Production of Grass carp stunted fingerlings in farm ponds	3
	Fodder	Fodder bank with high yielding fodder varieties	6
Feed and fodder			
Small scale income generating enterprises			
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

Thematic areas	Enterprise	Name of the technology assessed	No. of trials
INM	Nutrition garden	Demonstration of Nutrition Garden for Nutrition Security among School Children	5

II. TECHNOLOGY REFINEMENT

Summary of technologies refined under various crops-Nil-

Thematic areas	Crop	Name of the technology assessed	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 (Please specify)			
Total			

Summary of technologies assessed under refinement of various livestock –Nil-

Thematic areas	Name of the livestock enterprise	Name of the technology refinded	No. of trials
Evaluation of breeds			
Nutrition management			
Disease management			
Production and management			
Feed and fodder			
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

Results of Frontline Demonstrations

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										
Oilseeds	High yielding Sesamum variety DS-5 in paddy fallows	DS-5		Rice fallow	7	3	4.50	3.80	4.20	4.00	1.05	19300	33600	14300	1.74	18000	24000	6000	1.33
	Groundnut variety ICGV 91114 in paddy fallows	ICGV - 91114		Rice fallow	14	3	29.66	27.50	28.75	28.50	0.87%	24067	126500	102433	5.25	24067	125400	101333	5.21
	ICM in Groundnut	Local		Rainfed	10	2	25	20	24.6	19.5	26.15	24002	105008	80998	4.3	21859	79625	57766	3.6
Pulses	ICM in Fieldbean (HA-4)	HA-4		Rice fallow	11	4	18.50	16.50	17.00	15.75	7.93	18170	42500	24330	2.33	17325	39375	22050	2.27
	Integrated Nutrient Management in Blackgram	Rashmi		Rainfed	10	2	10	7	100.16	80.08	24.85	60000	126000	66000	2.1	50000	80000	30000	1.6
Cereals	Soil Acidity Management in paddy	MO-4		Rainfed	10	4	64	58	60.6	50.5	20	31370	68460	37090	2.1	29591	57185	27594	1.9
	Power operated paddy weeder	MO-4		Rainfed	11	4	38.00	36.00	36.50	35.75	2.09	32464	50370	17906	1.55	36064	49335	13271	1.36
Millets																			
Vegetables	ICM in Bhendi	Halu bhendi		Irrigated	5	0.8	125	106	115.5	87.00	21.5	123470	462000	338530	3.74	113820	348000	234180	3.01
	Integrated Nutrient Management in Cucumber	Local		Rainfed	10	2	110	70	7.3	6.2	17.74	10009	22008	11999	2.19	12002	22009	10007	1.8

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										
	High yielding IIHR yard long bean variety Arka Mangala	Arka Mangala		Limited irrigation	20	2	142.30	136.50	139.40	112.50	23.91	95350	292740	197090	3.06	91600	236250	159350	2.57
	Demonstration of Nutrition Garden for Nutrition Security among School Children	Alasande, Bottle gourd Cucumber, Ridge gourd Ash gourd Bhendi, Amaranthus, Chilli Neem oil		Rainfed	5	80 sq mtrs	-	-	134	-	-	1216.80	4020	2803	3.30	-	-	-	-
Flowers																			
Ornamental																			
Fruit	Demonstration of Polythene mulch and use of Arka Microbial consortium in Watermelon cultivation	Namdhari 295		Irrigated	5	1	417	365	391	321.8	21.5	105650	332350	226700	3.14	85600	208650	123050	2.43

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										
	Fruit set management in Mango	-		Limited irrigation	6	2.8	On going												
Spices and condiments	Foliar nutrition and use of Arka Microbial Consortium in Black pepper	Panniyur-1		Irrigated	10	50 vines x 10 500 vines	16.13	12.25	14.19	11.15	27.26	122500	482030	359530	3.93	98650	312200	213550	3.16
Commercial																			
Fibre crops like cotton																			
Medicinal and aromatic																			
Fodder	Demonstration of fodder bank with high yielding varieties	-	-	Homestead	6	4	On going												
Plantation	Integrated Nutrient Management in Cashew	Ullal		Rainfed	10	1	On going												
Fibre																			
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 – Highest Yield, L – Lowest Yield A – Average Yield

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.)			
						Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																		
Poultry																		
Rabbitry																		
Pigerry																		
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

1. **Mixed Carp Seed Rearing in Pens** – On going
2. **Production of Grass carp stunted fingerlings in farm ponds – On going**

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.)			
						Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps																		
		Mixed Carp Seed Rearing in Pens		3														

Technology	Fish variety	Initial average Length (cm)	Initial average Weight (gm)	Observed length and weight at the end of 12th day Length	weight	Observed length and weight at the end of 6th month Length	weight
Spawn to fry rearing	Common carp	0.4	-	1.3	0.5		
	Catla	0.6	-	1.9	0.9		
	Rohu	0.6	-	1.8	0.7		
Fry to fingerling Rearing T3	Common carp	1.3	0.5	-	-	10.00	150.2
	Catla	1.9	0.9	-	-	12.5	170.3
	Rohu	1.8	0.7	-	-	14.30	180.50

		Production of Grass carp stunted fingerlings in farm ponds		3		Stocking Density	Average Initial Length	Average Initial Weight	Growth at 30th Day Length	Growth at 30th Day Weight	Growth at 60th Day Length	Growth at 60th Day Weight							
						200	2.00 cm	1.5 gm	2.9 cm	2.4 gm	3.7 cm	3.5 gm							
						300	2.00 cm	1.5 gm	2.5 cm	2.00 gm	2.9 gm	3.1 cm							
						400	2.00 cm	1.5 gm	2.8 cm	2.2 gm	3.4 cm	3.2 gm							
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

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 –Nil-

Crop	**Name of the Hybrid**	**No. of farmers**	**Area (ha)**	**Yield (kg/ha) / major parameter**			**Economics (Rs./ha)**			
				Demonst-ration	**Local check**	**% change**	**Gross Cost**	**Gross Return**	**Net Return**	**BCR**
Cereals										
Bajra										
Maize										
Rice										
Sorghum										
Wheat										
Others (pl.specify)										
Total										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										

Soybean										
Others (pl.specify)										
Total										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (pl.specify)										
Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Others (pl.specify)										
Total										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (pl.specify)										
Total										
Commercial crops										
Sugarcane										
Coconut										
Others (pl.specify)										
Total										
Fodder crops										
Maize (Fodder)										
Sorghum (Fodder)										
Others (pl.specify)										
Total										

IV. Training Programme

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management										
Resource Conservation Technologies	1	16	9	25	-	-	-	16	9	25
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production										
Nursery management	1	18	7	25	-	-	-	18	7	25
Integrated Crop Management										
Soil and Water Conservation										
Integrated Nutrient Management										
Production of organic inputs	1	31	12	43	-	-	-	31	12	43
Others (pl.specify)										
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop										
Off-season vegetables	1	19	19	38	-	-	-	19	19	38
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation	3	81	10	91	-	-	-	81	10	91

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Others (pl.specify)										
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	1	24	-	24	-	-	-	24	-	24
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										
Integrated crop management										
d) Plantation crops										
Production and Management technology	1	19	12	31	-	-	-	19	12	31
Processing and value addition	1	29	7	36	-	-	-	29	7	36
Integrated cropping systems										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
f) Spices										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
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	1	14	4	18	-	-	-	14	4	18
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) Soil and water conservat ion										
Livestock Production and Management										
Dairy Management	1	13	14	27	-	-	-	13	14	27
Poultry Management	1	37	15	52	-	-	-	37	15	52
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Feed and Fodder technology										
Production of quality animal products										
Stall fed goat farming										
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	1	36	31	67	-	-	-	36	31	67
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	2	3	82	85	-	-	-	3	82	85
Women empowerment	1	0	31	31	-	-	-	0	31	31
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										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Post Harvest Technology										
Others (pl.specify)										
Plant Protection										
Integrated Pest and Disease management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl.specify)										
Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture	2	39	68	107	-	-	-	39	68	107
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										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom production										
Apiculture										
Others (pl.specify)										
Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
TOTAL	**19**	**379**	**321**	**700**	**0**	**0**	**0**	**379**	**321**	**700**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management	1	24	3	27	-	-	-	24	3	27
Resource Conservation Technologies	3	49	24	73	-	-	-	49	24	73
Cropping Systems	2	44	28	72	-	-	-	44	28	72
Crop Diversification	2	24	24	48	-	-	-	24	24	48
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production										
Nursery management	2	60	6	66	-	-	-	60	6	66
Integrated Crop Management	7	157	139	296	-	-	-	157	139	296
Soil and Water Conservation	1	20	13	33				20	13	33
Integrated Nutrient Management										
Production of organic inputs										
Others (pl.specify)										
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	2	61	7	68				61	7	68
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Integrated Nutrient Management (INM)										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
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	1	37	45	82	-	-	-	37	45	82
Others (pl.specify)										
c) Ornamental Plants										
Nursery Management										
Management of potted plants	2	72	43	115	-	-	-	72	43	115
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants	3	23	52	75	-	-	-	23	52	75
Others (pl.specify)										
d) Plantation crops										
Production and Management technology	1	20	8	28	-	-	-	20	8	28
Processing and value addition										
Others (pl.specify)										
e) Tuber crops										
Production and Management technology	1	27	8	35	-	-	-	27	8	35
Processing and value addition										
Others (pl.specify)										
f) Spices										
Production and Management technology	4	148	53	201	-	-	-	148	53	201

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
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	3	56	17	73	-	-	-	56	17	73
Production and use of organic inputs										
Management of Problematic soils	1	14	2	16	-	-	-	14	2	16
Micro nutrient deficiency in crops										
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing										
Integrated crop management										
Livestock Production and Management										
Dairy Management	1	12	18	30	-	-	-	12	18	30
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management	2	41	38	79	-	-	-	41	38	79
Feed and Fodder technology										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Production of quality animal products										
Advanced methods in fish and poultry farming										
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	1	18	19	37	-	-	-	18	19	37
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	1	10	22	32	-	-	-	10	22	32
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										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Others (pl.specify)										
Plant Protection										
Integrated Pest and disease Management	4	59	79	138	-	-	-	59	79	138
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl.specify)										
Fisheries										
Integrated fish farming	1	4	68	72	-	-	-	4	68	72
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture	4	49	18	67	-	-	-	49	18	67
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										
Ornamental fish culture										
Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom production										
Apiculture										
Others (pl.specify)										
Capacity Building and Group Dynamics										
Leadership development										
Group dynamics	2	143	69	**212**				143	69	**212**
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) Information about agriculture										
TOTAL	**52**	**1172**	**803**	**1975**	**0**	**0**	**0**	**1172**	**803**	**1975**

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 and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming	3	97	74	171				97	74	171
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
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										
Friends of coconut tree –Crop management and harvesting in coconut										
TOTAL	**3**	**97**	**74**	**171**				**97**	**74**	**171**

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	1	9	19	28	-	-	-	9	19	28
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										
Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL	**1**	**9**	**19**	**28**	**-**	**-**	**-**	**9**	**19**	**28**

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 and disease Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology	2	34	31	65	-	-	-	34	31	65
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Integrated crop management										
Total	**2**	**34**	**31**	**65**	**-**	**-**	**-**	**34**	**31**	**65**

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

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										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other (pl.specify)										
Total										

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	151	51	202	-	-	-	151	51	202
1.b.	Commercial production of vegetables										
2	Production and value addition										
2.a.	Fruit Plants										
2.b.	Ornamental plants										
2.c.	Spices crops										
3.	Soil health and fertility management										
4	Production of Inputs at site										
5	Methods of protective cultivation										
6	Others (pl.specify)										
7	Post harvest technology and value addition										
7.a.	Processing and value addition										
7.b.	Others (pl.specify)										
8	Farm machinery										
8.a.	Farm machinery, tools and implements										
8.b.	Others (pl.specify)										
9.	Livestock and fisheries	1	20	10	30				20	10	30
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	1	17	13	30				17	13	30
11.b.	Economic empowerment of women	1	-	100	100				-	100	100
11.c.	Drudgery reduction of women										
11.d.	Others (pl.specify)										
12	Agricultural Extension										
12.a.	Capacity Building and Group Dynamics(Bee keeping)	1	21	6	27				21	6	27
12.b.	Protection of plant varieties and farmers right act-2001										
	Total	**5**	**209**	**180**	**389**	**0**	**0**	**0**	**209**	**180**	**389**

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	2	41	30	71				41	30	71
1.e.	Organic farming										
1.f.	Others (pl.specify)										
2	**Post harvest technology and value addition**										
2.a.	Value addition										
2.b.	Others (pl.specify)										
3.	**Livestock and fisheries**										
3.a.	Dairy farming										
3.b.	Composite fish culture										
3.c.	Sheep and goat rearing										
3.d.	Piggery										
3.e.	Poultry farming										
3.f.	Ornamental fish farming										
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.	Beekeeping										
5	**Agricultural Extension**										
5.a.	Capacity building and group dynamics										
5.b.	Others (pl.specify)										
	Grand Total	**2**	**41**	**30**	**71**				**41**	**30**	**71**

V. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	695	895		
Diagnostic visits	28	79		
Field Day	5	133		
Group discussions	51	1614		
Kisan Ghosthi	11	16323		
Film Show	-			
Self -help groups	-	-		
Kisan Mela /Krishimela(Participated / Exhibited)	6	91503		
Exhibition				
Scientists' visit to farmers field	142	448		
Plant/animal health camps	1	30		
Farm Science Club				
Ex-trainees Sammelan				
Farmers' seminar	-	-		
Workshop	10	265		
Method Demonstrations	24	528		
Celebration of important days	8	800		
Special day celebration				
Exposure visits	3	135		
Farmers Scientists Interaction	12	43		
Bi monthly	3	140		
Tri monthly	3	100		
Farm trials	1			
SMS messages	19	1894		
Soil health day	1	117		
Kharif Mela				
Jackmela	1	6000		
Others (pl.specify)				
Total	1024	121047		

Details of other extension programmes

Particulars	Number
Electronic Media	-
Extension Literature	-
News Letter	-
News paper coverage	46
Technical Articles	-
Technical Bulletins	3
Radio Talks	15
TV Talks	6
Animal health camps (Number of animals treated)	1(28)
Others (pl.specify)	
Total	

VI. PRODUCTION OF SEED/PLANTING MATERIAL

Production of seeds by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Quantity of seed (kgs)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)	Greengram	KKM	-	14	2170	3
Oilseeds						
Pulses	Cowpea	Arka Garima	-	15.913	6180.4	30
Commercial crops						
Vegetables	Okra (Ladys finger)	White velvet	-	45.68	54816	79
Flower crops						
Spices	Pepper	Panniyur	-	0.5	325	1
Fodder crop seeds	Fodder	COFS-29	-	5.15	3090	17
Fiber crops						
Forest Species						
Others (specify)						
Total					66581.40	

Production of planting materials by the KVK

Crop category	*Name of the crop*	*Name of the Variety/hybrid*	*Hybrid*	*Number*	*Value (Rs.)*	*Number of farmers to whom provided*
Commercial						
Vegetable seedlings	Cowpea	Meteralasande	-	19	190	5
	Little gourd	Local	-	257	3855	75
Fruits	Sapota	Circket ball	-	46	2300	11
	Sapota	Kalipatti	-	182	9100	14
	Papaya	Taiwan red lady	-	3442	51630	171
	Banana	Puttabale	-	82	656	15
Ornamental plants						
Medicinal and Aromatic						
Plantation	Coconut	WCT	-	1152	66890	137
	Cashew	Ullal-1	-	834	16680	30
	Arecanut	Mohitnagar	-	6882	137640	131
Spices	Pepper	Panniyur	-	1029	10290	78
	Bush Pepper	Panniyur	-	49	1470	15
Fodder crop saplings	Fodder crop	Sampoorna	-	11030	22060	25
Forest Species						
Others(specify)Flower	Jasmine	Udupi Jasmine	-	2205	55125	163
Total					**377886**	

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				
Bio-fungicide				
Bio Agents				
Others (specify)				
Total				

Production of livestock and related enterprise 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	Giriraja	1982	172720	68
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl.specify)				
Fisheries				
Fingerlings	Catla, Rohu	700	3500	1
Others (Pl. specify)	Cashew apple syrup	31	2325	14

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

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	269 Nos	197	183	27169
Water Samples	143 No	138	127	14300
Plant samples				
Manure samples				
Others (specify)				
Total	**412**	**335**	**310**	**28599**

VIII. SCIENTIFIC ADVISORY COMMITTEE – Nil-

Number of SACs

IX. NEWSLETTER – Nil-

Number of issues of newsletter published

X. RESEARCH PAPER PUBLISHED

Number of research paper published - 8

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.)**

Senior Scientist & Head