

**PROFORMA FOR ANNUAL REPORT 2013-14**

**(FOR THE PERIOD APRIL 2013 TO MARCH 2014)**

**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 Research Station Brahmavara Udupi District	Office 0820- 2563923	Fax 0820- 2561011	email- <a href="mailto:kvkudupi@gmail.com">kvkudupi@gmail.com</a>	Web: <a href="http://www.uasbangalore.edu.in">www.uasbangalore.edu.in</a>

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

Address	Telephone		E mail	Web Address
	Office	Fax		
University of Agricultural Sciences Bangalore	Ph: 080- 23332773	080-23332773	<a href="mailto:uasb@uasbangalore.edu.in">uasb@uasbangalore.edu.in</a>	

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Jayalaxmi N. Hegde	9448642416	Mobile: 9449866939	<a href="mailto:kvkudupi@gmail.com">kvkudupi@gmail.com</a>

**1.4. Year of sanction:2001**

**1.5. Staff Position (as 31<sup>st</sup> March 2014)**

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	Programme Coordinator	Dr. Jayalaxmi Narayan Hegde	Programme Coordinator	F	Plant Protection	M.Sc., Ph.D	15600-39100	32170	04.02.12	Permanent	General
2	SMS	Mr Chaitanya H.S.	SMS	M	Horticulture	M. Sc	15600-39100	22250	01.10.12	Permanent	General
3	SMS	Mr R. Jayaprakash	SMS	M	Soil Science	M. Sc	15600-39100	22250	29.11.12	Permanent	SC
4	SMS	Dr Satheesh N.	SMS	M	Home Science	M.Sc., Ph.D	15600-39100	21600	27.09.13	Permanent	SC
5	SMS	Dr Ganesh Prasad T.	SMS	M	Agril Extn.	M.Sc., Ph.D	15600-39100	21600	30.09.13	Permanent	SC
6	SMS	Mr Srinivas H. Hulkoti	SMS	M	Animal Science	M. Sc	15600-39100	21600	23.11.13	Permanent	ST
7	SMS	Agronomy (Vacant)									
8	Programme Assistant( Lab Tech.)/T-4	Mr. Sanjeev Kyatappanavar	Training Assistant	M		M. Sc	9300-34800	14760	21.02.11	Permanent	III B
9	Programme Assistant (Computer)/ T-4	Mrs Shailaja	Programme Assistant (Computer)	F		BBM	9300-34800	14760	24.01.11	Permanent	III B
10	Programme Assistant/ Farm Manager	Mrs S.M. Vidyashree	Farm Manager	F		M.Tech (Agril. Engineering)	9300-34800	14330	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 Leelavathi	Assistant	F		BSc		16000 (Consolidated)	04.03.14	Contract	I A
12	Jr. Stenographer	Ms. Ashalatha G	Typist cum computer operator	F		BA		14550 (Consolidated)	28.12.13	Contract	II A
13	Driver	Mr Riyaz Ahmed Nabi Saheb Nadapa	Driver (Jeep)	M		S.S.L.C	11600- 21000	11600	05.09.12	Permanent	I A
14	Driver	Mr.Veeresh	Driver	M			14550- 26700	16400	23.11.08	Permanent	IIA
15	Supporting staff	Mr. Razak Hazarath Saheb Walikar	Assistant Cook-cum- caretaker	M			10400- 16400	11400	23.10.08	Permanent	II A
16	Supporting staff	Mrs. Meenakshi	Office Attendant	F			11600- 21000	11600	05.07.06	Permanent	III A

**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	November-2012	550	45 lakhs			
2.	Farmers Hostel	ICAR	2002	4879	30 lakh		Nil	
3.	Staff Quarters		Sanctioned this year					
4.	Demonstration Units							
	1	ICAR	2007	2.0 ha	1,00,000			
	2	NCOF	2008	600	1,50,000			
	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		Planned during current year					
7	Threshing floor		NA					
8	Farm godown		NA					

**B) Vehicles**

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tractor	2002	2,97,000	224.6 hrs	Good condition
Bolero-Jeep	2002	5,00,000	24315	Good condition

## C) Equipments &amp; AV aids

<i>Sl. No.</i>	<i>Name of Equipments</i>	<i>Year of purchase</i>	<i>Cost (Rs.in lakhs)</i>	<i>Present status</i>
<i>Lab equipments (Soil science)</i>				
1.	Autoclave- Vertical	2009	25,500	Good
2.	Combined Electrode Model CL -518	2008	1,000	Good
3.	Digital Conductivity meter	2005	7,400	Good
4.	Digital Micropipettes	2009	18,827	Good
5.	Digital PH meter	2005	8,550	Good
6.	Double glass distillating unit	2005	49,000	Good
7.	Ducting from fume cupboard	2005	23,000	Good
8.	Electronic Acid Neutralizer scrubber	2005	24,000	Good
9.	Electronic automatic kel plus microprocessor (Digestion system)	2005	53,000	Good
10.	Electronic automatic kel plus microprocessor (Distillation system)	2005	86,000	Good
11.	FGL I 615 PH meter	2009	6,346	Good
12.	Flame photometer	2005	39,000	Good
13.	Fume cup board	2005	42,000	Good
14.	Hot air oven	2005	20,000	Good
15.	Hot air oven PSM make	2009	18,370	Good
16.	Hot plate with thermostatic control	2005	9,600	Good
17.	Laminar air flow	2009	44,900	Good
18.	LG Frost free refrigerator	2006	22,000	Good
19.	Magnetic stirrer with hot plate	2005	5,500	Good
20.	Physical balance	2005	12,000	Good
21.	Research Microscopes	2009	59,160	Good
22.	Rotary Shaker	2005	28,000	Good
23.	Spectrophotometer	2005	46,200	Good
24.	Top loading balance	2005	49,000	Good
<i>Equipments (Home science)</i>				
1.	Axpert Electronic weighing machine	2008	7,800	Good
2.	Flooor Mill with S.S Body 1 HP Motor	2008	9,100	Good
3.	Bajaj Oven Toaster Griller	2008	5,050	Good
4.	Hydropress Pillar type Hydraulic press Hand operated 5 tonnes	2008	38,470	Good

<i>Sl. No.</i>	<i>Name of Equipments</i>	<i>Year of purchase</i>	<i>Cost (Rs.in lakhs)</i>	<i>Present status</i>
	cap.			
5.	L G Frost free Refrigerator	2008	27,333	Good
6.	Stainless steel Drum & Round Tray	2008	3,051	Good
7.	Butterfly Gas Stove	2009	2800	Good
<i>Plant Protection Equipments</i>				
1.	ASPEE GR 25/BH Gotor Rocking Sprayer	2008	3,585	Good
2.	ASPEE Sprayer	2006	1255	Good
3.	Battery operated Sprayer	2009	4,615	Good
<i>Farm implements</i>				
1.	OLEO - MAC Weed cutter 2.4 HP	2009	30,000	Good
2.	Silco All metal portable platform scale (300 kg)	2009	8,700	Good
<i>Other equipments</i>				
1.	UPS 1.4 KVA Powerline	2008	23,558	Good
2.	Euroclean Vaccum Cleaner	2008	6,125	Good
<i>Audio visual aids</i>				
1.	BPL Colour TV 63 cm	2002	25,000	Good
2.	Computer (Samsung)	2006	38,000	Good
3.	Computer (Compaq)	2003	42,000	Good
4.	Copier –Godrej	2002	77,954	Old
5.	Desk top Computers (HCL) 2 nos	2008	46,000	Good
6.	Digital Copier cum net work printer (Xerox machine)	2008	55,120	Good
7.	Display Boards 15 nos	2009	30,000	Good
8.	LCD Panasonic 1500 Lumens	2007	64,125	Good
9.	LCD projector (Hitachi)	2009	44,990	Good
10.	Laptop (Compaq)	2003	75,000	Good
11.	Laptop ACER	2007	35,500	Good
12.	Multimedia Projector Sanyo	2002	1,44,349	Good
13.	Motorised Screen	2008	23,000	Good
14.	OHP with bill board for projection	2002	24,862	Good
15.	Printer (Lexmark) 2 nos	2008	31,290	Not working
16.	Printers (Epson) Dot matrix	2003	7,000	Good
17.	Triphod stand with screen	2002	-	Good
18.	Touch screen information Kiosk	2008	1,24,569	Good
19.	UPS – APC 500 VA (3 nos)	2008	5,550	Not working
20.	Video Camera (Sony)	2008	1,84,000	Good

<i>Sl. No.</i>	<i>Name of Equipments</i>	<i>Year of purchase</i>	<i>Cost (Rs.in lakhs)</i>	<i>Present status</i>
21.	Visual Production Unit	2008	5,99,500	Good
22.	Video Camera-Soy-Handy Cam	2001	56,000	Old
23.	Godrej copier (Xerox machine )	2002	77,954.00	Old (Not in working condition)

### 1.8. Details SAC meeting conducted in 2013-14

Sl.No.	Date	Number of Participants	No. of absentees	Salient Recommendations	Action taken															
1.	05.09.2012	29	-	Preparation of Value added products for all the concerned agricultural/Horticulture commodities where OFTs/FLDs are conducted	Training programme on value addition of Groundnut has been conducted at Kundapur Farmers - 25															
2.				Conduct trainings to SHG groups on popularization of Ragi products among the malnourished children in particular by involving the Women and Child welfare Department	Training programme on value addition of Ragi based energy foods at Udupi in collaboration with NGO Farmers-50															
3.				Develop scientific model demonstration plots at KVK farm	Demonstration units of Agriculture, horticulture and animal components have been established and maintained at KVK Farm-Banana Demo plot, Udupi Mallige Demo plot, Brinjal demo plot, vegetable demo plot, bush pepper demo plot, CO-4 fodder demo plot, fish pond, poultry, rabbit unit, medicinal plot demo unit etc.															
4.				Establishment of medicinal garden demo plots in KVK	Established Medicinal Garden - 53 varieties, 106 plants															
5.				Conduct training on maintenance of plant protection equipments	Organized two days workshop on Repair and Maintenance of sprayers and important machinery- 26 farmers															
6.				Take up the study on economics, employment opportunities and profitability of the value added products prepared by SHGs	<table border="1"> <thead> <tr> <th><i>Sl.No.</i></th> <th><i>Year of production</i></th> <th><i>Production (Qty)</i></th> <th><i>Production cost (Rs.)/kg</i></th> <th><i>Sale price (Rs.)/kg</i></th> <th><i>Profit (Rs.)/kg</i></th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>2010-11</td> <td>100 kg</td> <td>350</td> <td>400</td> <td>50</td> </tr> <tr> <td>2.</td> <td>2011-12</td> <td>125 kg</td> <td>375</td> <td>450</td> <td>75</td> </tr> </tbody> </table>	<i>Sl.No.</i>	<i>Year of production</i>	<i>Production (Qty)</i>	<i>Production cost (Rs.)/kg</i>	<i>Sale price (Rs.)/kg</i>	<i>Profit (Rs.)/kg</i>	1.	2010-11	100 kg	350	400	50	2.	2011-12	125 kg
<i>Sl.No.</i>	<i>Year of production</i>	<i>Production (Qty)</i>	<i>Production cost (Rs.)/kg</i>	<i>Sale price (Rs.)/kg</i>	<i>Profit (Rs.)/kg</i>															
1.	2010-11	100 kg	350	400	50															
2.	2011-12	125 kg	375	450	75															



					3.	2012-13	225 kg	400	500	100
							<i>Total purchase</i>	<i>Total Expenditure</i>	<i>Gross returns (Rs.)</i>	<i>Net Returns (Rs.)</i>
							30,000	35,000	40,000	5,000
7.				Popularize the value added products of coconut and trainings on coconut oil extraction	Training programmes conducted at KVK, Brahmavar and beneficiaries were taken to CPCRI, Kasargod in the month of February, 2013 and the farmers are highly benefitted by the visit.					
8.				Visit to CPCRI, Kasargode to study value added products of plantation crops	Visited CPCRI, Kasargod on 13.02.2013 along with three coconut growers who are interested to take up value addition of coconut and learnt the technology VCO, desiccated coconut powder, etc.					
9.				Popularize fertigation in watermelon	FLD on nutrient management in watermelon has been approved and will be initiated in the month of November at Kirimanjeshwara village of Kundapur taluk. Popularization of vegetable special will also be taken up during the programme					
10.				Conduct one demonstration of respective FLDs of all crops at KVK farm	Management of yellow vein mosaic in Bhendi and ICM in Brinjal, paddy and china aster have been taken up in KVK farm					
11.				Popularize the custom hiring of small machineries and equipments by charging nominal fee	Under IFSD custom hiring centre is planned and submitted letter to JDA requesting Rs. 10,000,00 for the purpose					
12.				Initiate seed production in groundnut, blackgram and green manure crops	Seed production of Chintamani – 2 was proposed and due to non availability of seeds at NSP, Bangalore, it was not able to take up					
13.				Conduct the FLD's on Brackish water fish culture demonstration	Conducting FLD on Introduction of Seabass farming in cage culture system at Karkikali village – on going Name of the FLD Farmers 1. Mr. Chandra Kharvi 2. Mr. Ravindra 3. Mr. Shankar Kunder					
14.				Popularize the Ornamental fish culture along with MPEDA	Discussed with MPEDA officials and it is decided to organize the same during September-October, 2013					

15.			Organize more number of trainings on management of horticultural crops	During the year 2013-14 Total – 5 On Campus, 12 Off Campus, 8 Vocational trainings on scientific cultivation of horticultural crops of coastal area were covered and also participated as a resource person in 16 training programmes organized by Horticulture Dept. and SKDRDP
16.			Establishment of model demo plot in Jasmine at KVK Farm	Established Model Udupi Jasmine plots – 108 plants.
17.			Popularize <i>Metarizium</i> and <i>Trichoderma</i> bio-agents in disease management	In each training programmes related to IPM, ICM the technical information on the use of bio-control agents <i>Metarizium</i> , <i>Trichoderma</i> , nematodes, etc. were given. Demonstrated the used of pheromone traps and tricho-cards in the fields. Further, in the FLD demonstration of Integrated Root grub management in Arecanut, nematode and <i>Metarhizium</i> is planned
18.			Conduct specific trainings on organic farming, pest and disease management in Apiculture	Two training programmes on Bee Keeping – 75 and one training specially on Pest and disease management of honey bees were conducted and imparted technical information on pest and disease management in honey bees

## 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

<i>S. No</i>	<i>Crop</i>	<i>Area (ha)</i>	<i>Production (Metric tons)</i>	<i>Productivity (kg /ha)</i>
1.	Paddy	56330	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	2283.30	0.13
8.	Arecanut	6881.00	12545.00	1.82
9.	Pepper	282.00	104.60	0.37
10.	Cashew	19411.00	39823.00	2.05
11.	Banana	1463.00	29595.00	20.23
12.	Mango	1369.00	24135.00	17.63
13.	Jasmine	313.00	2282.00	7.29
14.	Cocoa	110.00	65.60	0.60
15.	Chilly	66.00	90.00	1.36
16.	Chrysanthemum	65.00	975.00	15.00

## 2.5.1.1. Weather data

Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)	
		Maximum	Minimum	RH-I	RH-II
January	0	32.17	25.03	89.23	84.74
February	15.6	33.06	23.33	85.30	72.13
March	0	35.45	24.94	85.92	68.00
April	11.6	36.08	25.72	84.93	67.80
May	196.6	35.96	25.58	83.90	69.81
June	1152	28.78	22.03	88.80	77.07
July	1277	27.48	21.88	91.13	80.55
August	711.1	28.75	22.53	93.42	84.81
September	409.1	29.75	23.82	92.03	84.07
October	306.1	31.09	23.62	92.32	83.90
November	24.4	28.10	23.99	87.47	82.67
December	0	30.48	22.85	75.58	67.39

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)	
		Maximum	Minimum	RH-I	RH-II
January	0.0	32.37	19.76	76.52	53.19
February	0.0	33.75	20.20	79.18	61.96
March	0.0	34.50	22.59	78.26	63.97
Total/Mean					

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

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

<i>Category</i>	<i>Area</i>	<i>Production(Tons)</i>	<i>Productivity</i>
Fish			
<i>Marine</i>		98550	-
<i>Inland</i>		1831	-
Prawn			
Scampi		-	-
Shrimp		1831	4-5 tons

District profile has been **Updated** for 2013-14 Yes / No: Yes

2.8 Details of Operational area / Villages

<i>Sl No.</i>	<i>Taluk</i>	<i>Name of the block</i>	<i>Name of the village</i>	<i>How long the village is covered under operational area of the KVK (specify the years)</i>	<i>Major crops &amp; enterprises</i>	<i>Major problem identified</i>	<i>Identified Thrust Areas</i>
1.	Udupi, Karkala and Kundapur	Byndoor Brahmavar Ajekar	Teggarse Cherkady Irgana Durga jarkala	1 year	Paddy	<ul style="list-style-type: none"> <li>☞ Acidic soils</li> <li>☞ Improper nutrient management</li> <li>☞ Low yielding varieties</li> <li>☞ Chaffyness of grains</li> <li>☞ Blast disease</li> <li>☞ Labour scarcity</li> </ul>	<ul style="list-style-type: none"> <li>☞ Soil reclamation</li> <li>☞ INM</li> <li>☞ Introduction of high yielding varieties</li> <li>☞ IDM</li> <li>☞ Mechanization like Use transplanter, drum seeder, paddy combined harvester etc,</li> </ul>
2.	Udupi Kundapur and Karkala	Byndoor Ajekar	Teggarse Irgana Durga jarkala	2 year	Paddy	<ul style="list-style-type: none"> <li>☞ Leaf folder, Gall midge</li> <li>☞ Gundy Bug, Blast,</li> <li>☞ Acidic soil</li> <li>☞ Improper nutrient management</li> </ul>	<ul style="list-style-type: none"> <li>☞ IPM</li> <li>☞ IDM</li> <li>☞ INM</li> </ul>
3.	Udupi Kundapur and Karkala	Kota Hebri	Innanje Airody Pandeshwara Nalkur	6 months	Blackgram	<ul style="list-style-type: none"> <li>☞ Local varieties</li> <li>☞ Broad casting</li> <li>☞ Improper nutrient management</li> </ul>	<ul style="list-style-type: none"> <li>☞ High yielding varieties</li> <li>☞ Optimum spacing</li> <li>☞ INM</li> </ul>
4.	Udupi and Kundapur	Kota Byndoor	Kota Manure Nagoor Kambadakone	3 years	Groundnut	<ul style="list-style-type: none"> <li>☞ Low yielding varieties</li> <li>☞ Uneven spacing</li> <li>☞ Improper nutrient management</li> </ul>	<ul style="list-style-type: none"> <li>☞ Introduction of new varieties</li> <li>☞ Optimum Plant population,</li> <li>☞ Application of gypsum</li> </ul>
5.	Udupi Kundapur Karkala	Mandarti Shiroor	Senapura	1 year	Banana	<ul style="list-style-type: none"> <li>☞ Inadequate plant population</li> <li>☞ Improper nutrient management</li> <li>☞ Acidic soil</li> </ul>	<ul style="list-style-type: none"> <li>☞ Adoption of Recommended spacing maintenance</li> <li>☞ INM.</li> <li>☞ Micronutrient management</li> </ul>
6.	Udupi and Karkala	Kaup Karakala	Shankarapura Belve	3 years	Jasmine	<ul style="list-style-type: none"> <li>☞ White fly infestation</li> <li>☞ Leaf spot</li> </ul>	<ul style="list-style-type: none"> <li>☞ IPM</li> <li>☞ INM</li> </ul>

<i>Sl No.</i>	<i>Taluk</i>	<i>Name of the block</i>	<i>Name of the village</i>	<i>How long the village is covered under operational area of the KVK (specify the years)</i>	<i>Major crops &amp; enterprises</i>	<i>Major problem identified</i>	<i>Identified Thrust Areas</i>
			Innanje Belmannu			<ul style="list-style-type: none"> <li>☞ Improper nutrient management</li> <li>☞ Lack of know how on training and pruning</li> </ul>	<ul style="list-style-type: none"> <li>☞ IDM</li> <li>☞ Pruning techniques</li> </ul>
7.	Kundapura	Kundapur	Hemmadi Kirimanjeshwar	2 years	Chrysanthemum	<ul style="list-style-type: none"> <li>☞ Low yielding local cultivars</li> <li>☞ Imbalanced Nutrition</li> <li>☞ Insect pest menace</li> </ul>	<ul style="list-style-type: none"> <li>☞ Introduction of high yielding varieties</li> <li>☞ INM and IPM</li> </ul>
8.	Udupi Kundapur Karkala	Byndoor Vandse Ajekar	Teggarse Pethri Vandse Kenchanur Irgana Durga jarkala	2 years	Areca nut	<ul style="list-style-type: none"> <li>☞ Root grub infestation</li> <li>☞ Dieback of inflorescence</li> <li>☞ Mahali (Kole roga)</li> <li>☞ Improper nutrient management</li> <li>☞ Acidic soil</li> <li>☞ Low yielding varieties</li> </ul>	<ul style="list-style-type: none"> <li>☞ Integrated Root grub management</li> <li>☞ IDM</li> <li>☞ INM</li> <li>☞ Introduction of New varieties</li> <li>☞ Quality seedlings production</li> </ul>
9.	Karkala	Byndoor Vandse Karkala	Teggarse Irgana Durga jarkala	2 years	Coconut	<ul style="list-style-type: none"> <li>☞ Red palm weevil</li> <li>☞ Stem bleeding in coconut</li> <li>☞ Mite infestation</li> <li>☞ Improper nutrient management</li> <li>☞ Acidic soil</li> </ul>	<ul style="list-style-type: none"> <li>☞ INM</li> <li>☞ IDM</li> <li>☞ IPM</li> </ul>
10.	Udupi Kundapur	Udupi Kundapur	Mattu Basroor	3 years	Brinjal	<ul style="list-style-type: none"> <li>☞ Bacterial Wilt</li> <li>☞ Shoot and fruit borer</li> <li>☞ Whitefly</li> </ul>	<ul style="list-style-type: none"> <li>☞ IDM</li> <li>☞ IPM</li> <li>☞ Quality seedling production</li> </ul>
11.	Udupi Kundapur Karkala	Kota Karkala	saligram Kota Irgana Durga Jarkala	2 years	Agriculture / Horticulture	<ul style="list-style-type: none"> <li>☞ Acidic soils</li> <li>☞ Improper nutrient management</li> </ul>	<ul style="list-style-type: none"> <li>☞ Reclamation by liming</li> <li>☞ INM</li> </ul>

<i>Sl No.</i>	<i>Taluk</i>	<i>Name of the block</i>	<i>Name of the village</i>	<i>How long the village is covered under operational area of the KVK (specify the years)</i>	<i>Major crops &amp; enterprises</i>	<i>Major problem identified</i>	<i>Identified Thrust Areas</i>
12.	Udupi Kundapur Karkala	Uchila Brahmavar	Kottambailu Thenkanediyyur Kalyanapura Kukkude MuduKukkude	2 years	Human Nutrition	<ul style="list-style-type: none"> <li>☞ Balanced nutrition,</li> <li>☞ Inadequate consumption of</li> <li>☞ fruits and vegetables</li> </ul>	<ul style="list-style-type: none"> <li>☞ Balanced nutrition</li> <li>☞ Encouraging growing of</li> <li>☞ fruit crops in kitchen</li> <li>☞ garden</li> </ul>
13.	Udupi Kundapur Karkala	Uchila Brahmavar	Kottambailu Thenkanediyyur Kalyanapura Kukkude MuduKukkude	2 years	Value addition of foods	<ul style="list-style-type: none"> <li>☞ Lack of technical know how on value addition of</li> <li>☞ Cashew fruits</li> </ul>	<ul style="list-style-type: none"> <li>☞ Baking technology</li> <li>☞ Value addition for locally available fruits like jackfruit, Garcinia, Pineapple etc.</li> <li>☞ Value added products of fruits and vegetables</li> </ul>
14.	Udupi Kundapur Karkala	Hebri	Santhekatte, kannar, Amavase bailu	2 year	Fodder	<ul style="list-style-type: none"> <li>☞ Shortage of green fodder</li> <li>☞ Less fat in milk</li> <li>☞ High cost of production</li> <li>☞ Worm menace in animals</li> </ul>	<ul style="list-style-type: none"> <li>☞ Azolla as supplementary green fodder</li> <li>☞ Use of CO-4 fodder crop</li> <li>☞ De worming</li> </ul>
15.	Udupi Kundapur Karkala Udupi	Uppunda Petri Brahmavara	Petri Avarse Nitte Pethri Kenchnur Shiriyara	3 years	Fisheries	<ul style="list-style-type: none"> <li>☞ White spot disease in shrimp farming</li> <li>☞ Poor quality of dried sea fish,</li> <li>☞ weed menace in fish pond</li> </ul>	<ul style="list-style-type: none"> <li>☞ Scientific farming,</li> <li>☞ Better management practices</li> <li>☞ Culture of Grass carp</li> <li>☞ Culture of catfish</li> </ul>
16.	Udupi Kundapur Karkala	Karkala Brahmavara Kota	Karkala Brahmavara Avarse Mandarathi	2 year	Poultry	<ul style="list-style-type: none"> <li>☞ Low yield and survival</li> <li>☞ Egg damage</li> </ul>	<ul style="list-style-type: none"> <li>☞ Encouraging Backyard poultry farming with new breeds viz. Swarnadhara</li> </ul>

## 2.9 Priority thrust areas

<i>Sl. No.</i>	<i>Thrust Areas</i>
1.	Introduction of High Yielding Varieties (HYVs)
2.	Integrated Nutrient Management (INM)
3.	Integrated Farming system (IFS)
4.	Soil Reclamation
5.	Water Conservation and Management
6.	Organic Farming
7.	Integrated Pest and Disease Management (IPDM)
8.	Non Insecticidal Pest management (NIPM)
9.	Agro processing and value addition
10.	Drudgery reduction and Empowerment of women
11.	Employment generation activities through small scale industry
12.	Back yard poultry farming
13.	Disease management in Shrimp farming
14.	Inland fish farming
15.	Scientific dairy management
16.	Information Education Communication Tools



**PART III - TECHNICAL ACHIEVEMENTS**

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

OFT				FLD			
1				2			
Number of OFTs		Number of farmers		Number of FLDs		Number of farmers	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
4	4	26	26	14	14	138	138

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
63	70	1860	2314				

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
4.3	15.36	21100	21407

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
6020	1139		

**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		
1.	ICM	Groundnut	Low yielding varieties and low seed replacement	Assessment of Groundnut varieties	-	-	-	-	-	4	2.4	-	-	No.	Kg
2.	INM	Cucumber	Improper Nutrient Management	Integrated Nutrient Management in Cucumber	-	1	-	-	-	3	-	-	-	-	-
3.	ICM	Okra	Improper crop Management	Integrated crop management in Okra	-	1	-	-	-	5	0.01	-	-	-	-
4.		Polyculture of fish	Low production of fresh water fish species	Assessment of compatibility & survival rate of pungacius fish species		1	-	-	-	-	-	-	8000 fish fingerlings	-	-
5.	INM	Groundnut	Improper micronutrient management	-	Micro nutrient (zinc and boran) application in groundnut	-	-	-	-	4	-	-	-	-	-
6.	ICM	Blackgram	Low yield in local varieties	-	Popularization of Blackgram LBG-625 variety in coastal region	-	-	-	-	3	1	-	-	-	-
7.		Paddy	Shortage of labour and high labour cost		Mechanization in paddy	1	-	-	-	2	-	-	-	-	-
8.	ICM	Paddy	Improper	-	Integrated	1	-	-	-	3	-	-	-	-	-

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	
			nutrient management and soil acidity		crop management in paddy									
9.		Paddy	High acidic soils	-	Soil acidity management in paddy	1	-	-	4	-	-	-	-	-
10.	INM	Ridgegourd	Lack of potassium application leads to low productivity and poor keeping quality	-	Integrated Nutrient management in Ridge gourd	1	-	-	3	-	-	-	-	-
11.	INM	Watermelon	Lack of awareness of use of vegetable special	-	Popularization vegetable special in watermelon	2	-	-	7	-	-	-	-	-
12	INM	Ashgourd	Improper nutrient management	-	INM in Ashgourd	1	-	-	4	-	-	-	-	-
13.	IPDM	Okra	Crop loss due to yellow vein mosaic disease		Management of yellow vein mosaic in bhendi	1	-	-	2	400 gms bhendi seeds	-	-	-	-
14	INM	Banana	Leaching loss of nutrients	-	Banana bunch feeding with cowdung slurry and nutrient mixture	1	-	-	4	-	-	-	-	-
15		Fishery	Lack of knowledge on rearing of		Culture of individually high value	1	-	-	-	-	-	3645	-	-



### 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 Groundnut varieties	UAS(B), ICRISAT	Groundnut	1	-		Field day, Field visit, Group discussion meetings
2.	Integrated Nutrient Management in Cucumber	UAS(B), KAU, Thrissur	Cucumber	1	-	1	Field visit, Group discussion meetings
3.	Integrated crop management in Okra	UAS(B), KAU, Thrissur	Okra	1	-	1	Field day, Field visit, Group discussion meetings
4.	Assessment of compatibility & survival rate of pungacious fish species	KVAFSU, UAS(B)	Fishery	1	-	1	Field day, Field visit, Group discussion meetings
5.	Micro nutrient (zinc and boran) application in groundnut	UAS (B)	Groundnut	-	1		Field day, Field visit, Group discussion meetings
6.	Popularization of Blackgram LBG-625 variety in coastal region	UAS (B)	Blackgram	-	1		Field day, Field visit, Group discussion meetings
7.	Mechanization in paddy	UAS(B)	Paddy	-	1	1	Field day, Field visit, Group discussion meetings
8.	Integrated crop management in paddy	UAS (B)	Paddy	-	1	1	Field day, Field visit, Group discussion meetings
9.	Soil acidity management in paddy	UAS (B)	Paddy	-	1	1	Field day, Field visit, Group discussion meetings
10.	Integrated Nutrient management in Ridge gourd	IIHR, Bangalore	Ridge gourd	-	1	1	Field day, Field visit, Group discussion meetings
11.	Popularization vegetable special in watermelon	IIHR, Bangalore	Watermelon	-	1	2	Field day, Field visit, Group discussion meetings
12.	INM in Ashgourd	UASB	Ashgourd	-	1	1	Field day, Field visit, Group discussion meetings
13.	Management of yellow vein mosaic in bhendi	UASD	Bhendi	-	1	1	Field day, Field visit, Group discussion meetings
14.	Banana bunch feeding with cowdung slurry and nutrient mixture	IIHR, Bangalore	Banana	-	1	1	Field visit, Group discussion meetings

S.No	Title of Technology	Source of technology	Crop/enterprise	No. of programmes conducted			
				OFT	FLD	Training	Others (Specify)
15.	Culture of individually high value brackish water fish in cage culture system	CIBA	Fishery	-	1	1	Field day, Field visit, Group discussion meetings
16.	Culture of fresh water carps in farm ponds (Catla, Rohu and Common carp)	UAS, B	Fishery	-	1	1	Field day, Field visit, Group discussion meetings
17.	Integrated Management of Root grub in Arecanut	UASB	Arecanut	-	1	2	Field day, Field visit, Group discussion meetings
18.	Integrated Farming Systems		IFS	-	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
9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
19	2	3	1	90	26	8	4	1327	667	205	115	-	-	-	-



Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Farming System										
Seed / Plant production										
Value addition										
Drudgery Reduction										
Storage Technique										
Mushroom cultivation										
<b>Total</b>										

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

Thematic areas	Cattle	Poultry	Piggery	Rabbitry	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						
<b>TOTAL</b>					1	1

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

Thematic areas	Cattle	Poultry	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds						
Nutrition Management						
Disease of Management						
Value Addition						
Production and Management						
Feed and Fodder						
Small Scale income generating enterprises						
<b>TOTAL</b>						



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

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

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trail covering all the Technological Options)
Integrated Nutrient Management	Cucumber	Nutrient management in Cucumber	3	3	2.28
Varietal Evaluation	Groundnut	Assessment of Groundnut varieties	3	3	2.28
Integrated Pest Management					
Integrated Crop Management	Okra	Integrated crop management in Okra	10	10	2.00
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					

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trail covering all the Technological Options)
Mushroom cultivation					
<b>Total</b>			16	16	6.56

#### 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					

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha (Per trail covering all the Technological Options)
Seed / Plant production					
Value addition					
Drudgery Reduction					
Storage Technique					
Mushroom cultivation					
<b>Total</b>					

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

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds				
Nutrition management				
Disease management				
Value addition				
Production and management	Fishery	Assessment of compatibility & survival rate of pungacius fish species	4	4
Feed and fodder				
Small scale income generating enterprises				
<b>Total</b>			4	4

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

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds				
Nutrition management				
Disease management				
Value addition				

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Production and management				
Feed and fodder				
Small scale income generating enterprises				
<b>Total</b>				

#### 4.C1. Results of Technologies Assessed

##### Results of On Farm Trial

##### 1. Assessment of Groundnut varieties

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
Groundnut	Rainfed	Low yielding varieties and low seed replacement	Assessment of Groundnut varieties	3	Varietal trial	Height of plant No. of branches Pods/plant Yield and B:C ratio	Nos and qtls/ha	Varietal performance on yield	ICGV - 91114 was high yield and resistant to drought as compared to KCG-2 and KCG-6	-	-

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 (Farmer's practice) GPBD-4/TMV-2	Farmers practice	34	Q/ha	91000	2.3
Technology option 2- KCG- 2	UAS(B)	28	Q/ha	75000	2
Technology option 3- KCG- 6	UAS(B)	29	Q/ha	81400	2.1
Technology option 4- ICGV- 91114	ICRISAT	30	Q/ha	87600	2.2

**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 Groundnut varieties
2.	Problem Definition -	:	Low yielding varieties and low seed replacement
3.	Details of technologies selected for assessment	:	Technology option 1 (Farmer's practice) GPBD-4/TMV-2 Technology option 2- KCG- 2 Technology option 3- KCG- 6 Technology option 4- ICGV-91114
4.	Source of technology	:	UAS(B), ICRISAT
5.	Production system and thematic area	:	Rabi-Groundnut and varietal trial
6.	Performance of the Technology with performance indicators	:	Varietal trial in coastal alluvial soils were ICGV-91114 performed better than KCG-2 and KCG-6
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	:	ICGV -91114 was high yield and resistant to drought as compared to KCG-2 and KCG-6.
8.	Final recommendation for micro level situation	:	TMV-2 50 kg seed rate/ha
9.	Constraints identified and feedback for research	:	-
10.	Process of farmers participation and their reaction	:	Involved in cultivation of varieties, training programmes and field day

## 2. Integrated Nutrient Management in Cucumber

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
Cucumber	Irrigated	Improper Nutrient Management	Integrated Nutrient Management in Cucumber	8	Nutrient management	No of fruits /plant Average fruit wt., Yield /plant Fruit length Yield( q/ha) B:C Ratio	Number of yield/ha	Yield	Increase in yield and keeping quality of fruits was improved when recommended dose of fertilizers was added	-	-

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 (Farmer's practice) 125 kgs of (15:15:15) Suphala /ha.	Farmers practice	9.1	t/ha	88000	2.1
Technology option 2- Recommended dose of NPK kg/ha (60:50:80) (UAS, B)	UAS(B)	10.3	t/ha	119000	2.4
Technology option 3-(KAU, Thrissur)Recommended dose of NPK- kg/ha (70:25:25) half of the N to be applied at the time of planting and remaining N in 2 equal splits at vining and full blooming and FYM 25t/ha	KAU, Thrissur	11.4	t/ha	134400	2.6

**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	:	Integrated Nutrient Management in Cucumber
2.	Problem Definition -	:	Improper Nutrient Management
3.	Details of technologies selected for assessment	:	Technology option 1 (Farmer's practice)- Farmers' practice 125 kgs of (15:15:15) Suphala /ha. Technology option 2- Recommended dose of NPK kg/ha (60:50:80) (UAS, B) Technology option 3-(KAU, Thrissur)Recommended dose of NPK- kg/ha (70:25:25) half of the N to be applied at the time of planting and remaining N in 2 equal splits at vining and full blooming and FYM 25t/ha
4.	Source of technology	:	UAS(B), KAU, Thrissur
5.	Production system and thematic area	:	Rabi-Cucumber and Nutrient management
6.	Performance of the Technology with performance indicators	:	Number of fruits/plant, fruit yield kg/plant and yield kg/ha
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	:	Increase in yield and keeping quality of fruits was improved when recommended dose of fertilizers was added
8.	Final recommendation for micro level situation	:	KAU, Thrissur package
9.	Constraints identified and feedback for research	:	-
10.	Process of farmers participation and their reaction	:	Farmers participated in all activities

## 3. Integrated crop management in Okra

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
Vegetable crops	Rainfed	Improper crop Management	Integrated crop management in Okra	10	Assessment of crop production practices for coastal Karnataka	No of fruits /plant, weight of fruits /plant(kg), length of the fruit (cm) total yield (q/ha)	No., kg,cm, q/ha	Package of UAS(B) showed better performance compared to other two practices	Seed treatment with imidacloprid reduced incidence of yellow vein mosaic disease	-	-

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 - Application of suphala (15:15:15) @125 kg/ha	Farmers Practice	7.5	t/ha	53895	1.92
Technology option 2 - RDF of N:P:K of 125:75:63 kg/ha+25 Tonns FYM	UAS(B)	9.25	t/ha	74890	2.12
Technology option 3- RDF of N:P:K of 110:35:70 kg/ha+12 Tonns FYM	KAU (T/hrissur)	8.50	t/ha	65350	2.00



**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	:	Integrated crop management in Okra
2.	Problem Definition -	:	
3.	Details of technologies selected for assessment	:	Technology option 1 (Farmer's practice)- Application of suphala (15:15:15) @125 kg/ha Technology option 2- RDF of N:P:K of 125:75:63 kg/ha+25 Tonns FYM Technology option 3- RDF of N:P:K of 110:35:70 kg/ha+12 Tonns FYM Technology option 4- STCR
4.	Source of technology	:	UAS(B), KAU(Thrissur)
5.	Production system and thematic area	:	ICM
6.	Performance of the Technology with performance indicators	:	Package of UAS(B) showed better performance compared to other two practices. Incidence of yellow vein mosaic disease was negligible in plots seed treated with imidacloprid
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	:	Seed treatment with imidacloprid reduced incidence of yellow vein mosaic disease and split application of N has showed better results and found to be economical as compared to the earlier method where farmers used to apply suphala (15:15:15) as split application which added for higher cost of production
8.	Final recommendation for micro level situation	:	RDF of N:P:K of 125:75:63 kg/ha+25 Tonns FYM, seed treatment with imidacloprid 17.5 SL , 50% N, full dose of P & K as basal dose and remaining 50% N as split application on 30 days after sowing
9.	Constraints identified and feedback for research	:	
10.	Process of farmers participation and their reaction	:	Involved in demonstration of seed treatment, training and field days.

#### 4. Assessment of compatibility & survival rate of pungacius fish species

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
Polyculture of fish	Perennial	Low production of fresh water fish species	Assessment of compatibility & survival rate of pungacius fish species	4	Polyculture of fish with different stocking densities	Fish growth performance, Yield/ha	Kg/ha	On going			

#### 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 - Stocking of Common carp fish fingerlings	Farmers practice	On going			
Technology option 2 - Rearing of Pungasius catfish in Monoculture system	KVAFSU				
Technology option 3- Rearing of Pungasius catfish 70% & carp fingerlings 30% (Catla:Rohu: Common carp)	UAS(B)				

**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 compatibility & survival rate of pungacius fish species
2.	Problem Definition -	:	Low production of fresh water fish species
3.	Details of technologies selected for assessment	:	Technology option 1 (Farmer's practice)- Stocking of Common carp fish fingerlings Technology option 2- Rearing of Pungasius catfish in Monoculture system Technology option 3- Rearing of Pungasius catfish 70% & carp fingerlings 30% (Catla:Rohu: Common carp)
4.	Source of technology	:	KVAFSU, UAS(B)
5.	Production system and thematic area	:	On going
6.	Performance of the Technology with performance indicators	:	
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	:	
8.	Final recommendation for micro level situation	:	
9.	Constraints identified and feedback for research	:	
10.	Process of farmers participation and their reaction	:	

## 4.D1. Results of Technologies Refined –Nil-

**Results of On Farm Trial**

Crop/ enterprise	Farming situation	Problem definition	Title of OFT	No. of trials	Technology refined	Parameters of refined t	Data on the parameter	Results of refinement	Feedback from the farmer	Details of refinement done
1	2	3	4	5	6	7	8	9	10	11

**Contd..**

Technology Refined	Source of Technology for Technology Option1 / Justification for modification of assessed Technology Option 1	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13		14	15	16	17
Technology Option 1 (best performing Technology Option in assessment)					
Technology Option 2 (Modification over Technology Option 1)					
Technology Option 3 (Another Modification over Technology Option 1)					

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

<b>1.</b>	Title of Technology Assessed	:	
<b>2.</b>	Problem Definition -	:	
<b>3.</b>	Details of technologies selected for assessment	:	
<b>4.</b>	Source of technology	:	
<b>5.</b>	Production system and thematic area	:	
<b>6.</b>	Performance of the Technology with performance indicators	:	
<b>7.</b>	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	:	
<b>8.</b>	Final recommendation for micro level situation	:	
<b>9.</b>	Constraints identified and feedback for research	:	
<b>10.</b>	Process of farmers participation and their reaction	:	

**PART V - FRONTLINE DEMONSTRATIONS**

**5.A. Summary of FLDs implemented during 2013-14**

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	
	Oilseeds													
1.		Rainfed	Rabi 2014	Groundnut	GPBD-4	-	Micronutrient management	Micro nutrient ( Zinc and Boron) Application in Groundnut	4	4	-	10	10	-
	Pulses													
2.		Rainfed	Rabi 2014	Blackgram	LBG-625	-	ICM	Popularization of black gram LBG-625 variety in coastal region	5	5	-	10	10	-
	Cereals													
3.		Rainfed	Kharif 2013	Paddy	MO-4	-	Paddy mechanization	Mechanization in paddy	4	4	-	10	10	
4.		Rainfed	Kharif 2013	Paddy	MO-4	-	ICM	Integrated crop management in paddy	2	2	-	10	10	
5.		Rainfed	Kharif 2013	Paddy	MO-4	-	Soil acidity manage	Soil acidity management in paddy	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	
	condiments													
	Commercial													
	Medicinal and aromatic													
	Fodder													
	Plantation													
		Perennial	Throughout the year – 2013-14-Contd.	Arecanut	Local	Mohit nagar	IPM	Integrated management of Root Grub in Arecanut	4	4	-	10	10	-
	Dairy													
		Perennial	2013-14	Seabass	<i>Lates calcarifer</i>	-	Cage culture of Asian Seabass	Culture of Individually high value brackish water fish in cage culture system	12 m <sup>2</sup>	12 m <sup>2</sup>	-	4	4	-
		Perennial	2013-14	Fisheries	<i>Catla catla, Labeo rohita, Cyprinus carpio</i>	-	Polyculture of fresh water carps	Culture of fresh water carps in farm ponds Catla:Rohu: common carp (4:3:3)	1	1	-	9	9	















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										
Commercial																			
Fibre crops like cotton																			
Medicinal and aromatic																			
Fodder																			
Plantation																			
	Integrated management of Root Grub in Arecanut	Local	Mohitnagar	Perennial	10	4	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 <sup>2</sup> )	Yield (q/ha)			% Increase	*Economics of demonstration Rs./unit) or (Rs./m2)				*Economics of check Rs./unit) or (Rs./m2)				
					Demo				Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR	
					H	L	A										
Catla,Rohu and common carp	Culture of fresh water carps in farm ponds Catla:Rohu: common carp (4:3:3)	Catla,Rohu and common carp	9	1 ha	On going												
Asian Sea bass	Culture of Individually high value brackish water fish in cage culture system	<i>Lates calcarifer</i>	4	12m <sup>2</sup>	On going												
Mussels																	
Ornamental fishes																	
Others (pl.specify)																	

\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

H-High L-Low, A-Average



### RESULTS OF ON – GOING OFTs AND FLDs

#### Observations of Ongoing OFTs- Assessment of compatibility & survival rate of *Pungacius* fish species

Observations								
Fish Variety or breed	Initial length (cms)	Initial weight (gms)	2 <sup>nd</sup> Month observation		4 <sup>nd</sup> Month observation		7 <sup>th</sup> Month observation	
			Length (cms)	Weight (gms)	Length (cms)	Weight (gms)	Length (cms)	Weight (gms)
Pungacius	7.5	4.8	13.92	100.58	20.34	196.36	30	340
Catla	4.1	7.5	11.22	109.64	18.34	211.78	29	365
Rohu	4.3	8.0	10.22	85.72	16.14	163.44	25	280
Common carp	2.8	1.7	6.0	44.08	9.2	86.46	14	150

FLD: Integrated Management of Root grubs in Arecanut ( On- going)  
 Observation on Root grub population (No. of grubs/ palm)

Parameters- No. of Grubs/ Palm	Demonstration	Check
Before Treatment	8.8 grubs/tree	7.4 grubs/tree
20DAT	4.3 grubs/tree	6.3 grubs/tree
40DAT	1.3 grubs/tree	7.9 grubs/tree
60DAT	2.3grubs/tree	6.5 grubs/tee
80DAT	2.9 grubs/tree	8.2 grubs/tree

**Appearance of the palm:** There is not much difference between treated and untreated palm

**Observations of Ongoing FLD- Culture of fresh water carps in farm ponds Catla:Rohu: common carp (4:3:3)**

Observations								
Fish Variety or breed	Initial length (cms)	Initial weight (gms)	2 <sup>nd</sup> Month observation		4 <sup>th</sup> Month observation		7 <sup>th</sup> Month observation	
			Length (cms)	Weight (gms)	Length (cms)	Weight (gms)	Length (cms)	Weight (gms)
Catla	4.1	7.5	11.5	111.06	18.9	214.62	30	370
Rohu	4.3	8.0	10.78	91.42	17.26	133.13	27	300
Common carp	2.8	1.7	6.28	46.92	9.76	92.14	15	160

**Observations of Ongoing FLD -Culture of Individually high value brackish water fish in cage culture system**

Observations								
Fish Variety or breed	Initial length (cms)	Initial weight (gms)	2 <sup>nd</sup> Month observation		4 <sup>th</sup> Month observation		5 <sup>th</sup> Month observation	
			Length (cms)	Weight (gms)	Length (cms)	Weight (gms)	Length (cms)	Weight (gms)
Asian Sea bass	4.2	12	9.52	91.2	14.84	170.4	17.5	210

**5.B.4. Other enterprises –Nil-**

Enterprise	Name of the technology demonstrated	Variety/ species	No. of Demo	Units/ Area {m <sup>2</sup> }	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	6	240	
2	Farmers Training	65	2154	
3	Media coverage	63	-	
4	Training for extension functionaries	5	160	
5	Others (Please specify)			



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

H-High L-Low, A-Average

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













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)										
<b>Capacity Building and Group Dynamics</b>										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
<b>Agro-forestry</b>										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
<b>TOTAL</b>	<b>29</b>	<b>608</b>	<b>314</b>	<b>922</b>	<b>90</b>	<b>46</b>	<b>136</b>	<b>698</b>	<b>360</b>	<b>1058</b>













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)										
<b>Capacity Building and Group Dynamics</b>										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
<b>Agro-forestry</b>										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
<b>TOTAL</b>	21	374	151	525	23	12	35	397	165	560







**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	3	67	6	73	29	5	34	96	11	107
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	1	-	30	30	-	2	2	-	32	32
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	1	14	2	16	4	1	5	18	3	21
<b>Total</b>	<b>5</b>	<b>81</b>	<b>38</b>	<b>119</b>	<b>33</b>	<b>8</b>	<b>41</b>	<b>114</b>	<b>46</b>	<b>160</b>



## 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	2	28	12	40	3	2	5	31	14	45		
1.b.	Commercial production of vegetables												
2	Production and value addition												
2.a.	Fruit Plants												
2.b.	Ornamental plants												
2.c.	Spices crops	1	13	12	25	-	-	-	13	12	25		
3.	Soil health and fertility management	1	25	16	41	2	1	3	27	17	44		
4	Production of Inputs at site												
5	Methods of protective cultivation												
6	Others (pl.specify)												
7	Post harvest technology and value addition												
7.a.	Processing and value addition												
7.b.	Others (pl.specify)												
8	Farm machinery												
8.a.	Farm machinery, tools and implements												
8.b.	Others (pl.specify)												
9.	Livestock and fisheries												
10	Livestock production and management	1	29	72	101	25	35	60	54	107	161		
10.a.	Animal Nutrition Management												
10.b.	Animal Disease Management												
10.c.	Fisheries Nutrition												
10.d.	Fisheries Management												
10.e.	Others (pl.specify)												
11.	Home Science												
11.a.	Household nutritional security												
11.b.	Economic empowerment of women												
11.c.	Drudgery reduction of women												
11.d.	Others (pl.specify)												
12	Agricultural Extension												
12.a.	Capacity Building and Group Dynamics												
12.b.	Protection of plant varieties and farmers right act-2001	1	58	29	87	10	7	17	68	36	104		
	Total	6	153	141	294	40	45	85	193	186	379		

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

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
<b>1</b>	<b>Crop production and management</b>										
1.a.	Commercial floriculture										
1.b.	Commercial fruit production										
1.c.	Commercial vegetable production										
1.d.	Integrated crop management										
1.e.	Organic farming										
1.f.	Others (pl.specify)										
<b>2</b>	<b>Post harvest technology and value addition</b>										
2.a.	Value addition	1	15	4	19	6	2	8	21	6	27
2.b.	Others (pl.specify)										
<b>3.</b>	<b>Livestock and fisheries</b>										
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	1	27	2	29	6	1	7	33	3	36
<b>4.</b>	<b>Income generation activities</b>										
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	1	13	6	19	4	2	6	17	8	25
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	1	47	5	52	-	1	1	47	6	53
<b>5</b>	<b>Agricultural Extension</b>										
5.a.	Capacity building and group dynamics										
5.b.	Others (pl.specify)										
	<b>Grand Total</b>	<b>4</b>	<b>102</b>	<b>17</b>	<b>119</b>	<b>16</b>	<b>6</b>	<b>22</b>	<b>118</b>	<b>23</b>	<b>141</b>



**PART VIII – EXTENSION ACTIVITIES****Extension Programmes (including extension activities undertaken in FLD programmes)**

Nature of Extension Programme	No. of Programmes	No. of Participants (General)			No. of Participants SC / ST			No. of extension personnel		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Field Day	6	106	107	213	20	7	27	-	-	-
Kisan Mela	4	1700	300	2000	-	-	-	-	-	-
Kisan Ghosthi	-									
Exhibition	12	1500	500	2000	1000	500	1500	50	20	70
Film Show	5	160	100	260	100	140	240			
Method Demonstrations	15	100	100	200	150	10	160	7	2	9
Farmers Seminar	3									
Workshop	1	15	5	20	5	4	9	1	-	1
Group meetings	39	300	150	450	50	-	50	10	2	12
Lectures delivered as resource persons	24	300	150	450	150	50	200	12	3	15
Newspaper coverage	58									
Radio talks	5									
TV talks	2									
Popular articles	7									
Extension Literature	5									
Advisory Services	841	700	44	744	97	-	97			
Scientific visit to farmers field	62	123	80	203	107	30	137			
Farmers visit to KVK	823	760	40	800	17	6	23			
Diagnostic visits	42	27	4	31	7	4	11	-	-	-
Exposure visits	6	67	35	102	13	5	18	-	-	-
Ex-trainees Sammelan										
Soil health Camp										
Animal Health Camp	1	30	-	30	-	-	-	-	-	-
Agri mobile clinic										
Soil test campaigns										
Farm Science Club Conveners meet										
Self Help Group Conveners meetings										
Mahila Mandals Conveners meetings										
Celebration of important days	10	337	31	368	58	9	67			
Any Other (Specify)										
Total	1971	6225	1646	7871	1774	765	2539	80	27	107

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

<b>Crop category</b>	<b>Name of the crop</b>	<b>Variety</b>	<b>Hybrid</b>	<b>Quantity of seed (qtl)</b>	<b>Value (Rs)</b>	<b>Number of farmers to whom provided</b>
Cereals (crop wise)						
Oilseeds						
Pulses						
Commercial crops	Bhendi (Lady finger) Cashew grafts	White velvet Ullal-1		0.36 qtl 11716 Nos	36255 234320	726 1073
Vegetables						
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						
Others (specify)	Paddy bulk	MO-4		15 qtl	18000	
<b>Total</b>					<b>270575</b>	<b>1799</b>

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

<b>Crop category</b>	<b>Name of the crop</b>	<b>Variety</b>	<b>Hybrid</b>	<b>Number</b>	<b>Value (Rs.)</b>	<b>Number of farmers to whom provided</b>
Commercial						
Vegetable seedlings	Drumstick	Bhagya		335	5025	116
Fruits	Papaya	Thaiwan Red Lady		2208	33120	273
Ornamental plants						
Medicinal and Aromatic						
Plantation	Coconut	WCT COD		655 253	32750 17710	223 176
Spices						
Fodder crop saplings	Fodder	CO-4		900	4500	321
Forest Species						
Others(specify)						
<b>Total</b>				<b>4351</b>	<b>93105</b>	<b>1109</b>

## 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)				
<b>Total</b>				

## 9.D. Production of livestock materials

<i>Particulars of Live stock</i>	<i>Name of the breed</i>	<i>Number</i>	<i>Value (Rs.)</i>	<i>Number of farmers to whom provided</i>
<b>Dairy animals</b>				
Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
<b>Poultry</b>				
Broilers	Giriraja	1121 Nos	89680	350
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
<b>Piggery</b>				
Piglet				
Others (Pl. specify)	Rabbit	18 Nos	6300	13
<b>Fisheries</b>				
Fingerlings				
Others (Pl. specify)				
<b>Total</b>			<b>95980</b>	<b>363</b>

**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	Effect of growth regulators and fruit picking on seed yield and seed quality attributes of Okra in coastal Karnataka	Mr. H.S. Chaitanya	-
	Adoption and evaluation of Integrated farming systems in Udupi District, Karnataka	Dr. Jayalaxmi N. Hegde	-
	Field detection of Nutrient disorder of black pepper in Arecanut garden in Malnad regions of Coastal Karnataka	Mr. H.S. Chaitanya	-
Technical reports			
News letters	Karavali Krushi	PC & 6 SMSs	500
Technical bulletins	Protection of plant varieties and farmers rights	PC & 6 SMSs	1000
	Beekeeping		2000
Popular articles	Major pest and disease in coconut and its management	Dr. Jayalaxmi N. Hegde	
	Pest and disease management in Udupi Jasmine in coastal Karnataka	Dr. Jayalaxmi N. Hegde	
	Root grub infestation in Arecanut and its management	Dr. Jayalaxmi N. Hegde	
	Use of Bordeaux mixture in control of foot rot disease in Arecanut	Dr. Jayalaxmi N. Hegde	
	Friends of coconut tree	Mr. Sanjeev Kyathappanavar	
	Management of Koleroga in Arecanut-precautions to be taken	Dr. Jayalaxmi N. Hegde	
Training manual	Propagation techniques in horticulture crops	Mr. H.S. Chaitanya	25
	Friends of coconut tree manual	PC & 6 SMSs	160
	IPDM and use of bio control agents in pest management in coastal crops	Dr. Jayalaxmi N. Hegde	30

	IPDM in coastal crops	Dr. Jayalaxmi N. Hegde	30
Extension literature	Scientific cultivation of jack and value addition	PC & 6 SMSs	2000
	Vanamahotsava and agro forestry	Mr. Sanjeev Kyatappanavar	500
	Neem and its use in agriculture	Dr. Jayalaxmi N. Hegde	1000
	Vermi composting	Mr. Jayaprakash R,	500
	Stall fed goat rearing	Mr. Shrinivas Hulkoti	500
Others (Pl. specify)			
<b>TOTAL</b>			

#### 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).

Udupi district has a coast line of 50 kms on the Arabian Sea. Three major groups of soils namely laterites, red and aluvial soils are met with in this area. Many of the soils in this eco system are acidic and fragile. Miss management can rapidly erode whatever capability they have for sustained productivity. Therefore it is critical that we increase our understanding of soil nutrient status in relation to soil acidity to control nutrient availability. An attempt has been made by Krishi Vigyan Kendra, Brahmavara to manage acidic soils of Chitrapady village of Udupi District under Front Line Demonstrations titled soil acidity management in paddy for the year 2013 in kharif season . Total 10 farmers from the above mentioned village were selected comprising of 10 acres of area and adequate training has been imparted to the farmers to mitigate soil acidity and special focus was given to time and quantity of lime application. Farmers were distributed lime based on soil test lime requirement method and yields were increased in the front line demonstrations plots as compared to non liming plots. Based on soil analysis it was observed that soil nutrient status increased because of the lime application. The farmers expressed that t liming increased the paddy yield upto 25- 29% as compared to their old practice and they told that they will adopt this in future also. Shri Ramesh Herale, one of the demonstrators says that this lime application technology has really helped our farmer to overcome the soil acidity problem. In future, they continue with this technology.

## SUCCESS STORY- 2

### **BANANA BUNCH FEEDING WITH COWDUNG SLURRY AND NUTRIENT MIXTURE IN UDUPI DISTRICT.**

#### SUCCESS STORY ON BANANA BUNCH FEEDING WITH COWDUNG SLURRY AND NUTRIENT MIXTURE IN UDUPI DISTRICT.

Farmer by name Mr. Arun Kumar Shetty of Gudmadi village of Kundapura Tq. was motivated by training programme on ICM in banana held at Krishi Vigyan Kendra, Brahmavar and took up banana cultivation in his land. He planted 530 yellaki banana in his farm as per the scientific guidance given by scientists of KVK, Brahmavar. Nutritional, water and weed management was carried out as per schedule. Soil application of N, P, K was given in split application every two months upto 6 months. Only one sucker per plant was maintained upto 7 months till the flower initiated. After 8 months when all the fruits were set, feeding of nutrients through the distal end of the bunch was given as per the recommendations given by IIHR, Bangalore. Out of 530 banana plants 280 bunches were randomly selected for bunch feeding with nutrients. Average weight of the bunches treated with nutrients weighed 13.65 kg and untreated bunches weighed 11.20 kg. An average increase of 2.45 kg was recorded which fetched additional income of Rs 86 (Rs 86 X 280 Bunches= Rs 24,080/-) per bunch by spending additional cost of Rs 3.50 per bunch.

## SUCCESS STORY-3

After surveying in Halavalli village of Udupi taluk about the root grub menace, Front line demonstration (FLD's) on "INTEGRATED MANAGEMENT OF ROOT GRUB" was taken in that village. Shri Subrahmanya Bhat, one of the beneficiaries is cultivating arecanut in 3 acres land. Since three years he was facing the problems of root grub. He was not following the integrated root grub management technologies, hence he had lost many arecanut trees.

After, adopting the Integrated management of Root Grub i.e. mechanical destruction of root grub stages, application on neem and spraying of chloropyriphos has helped him to tackle the root grub problem. He along with his wife came to KVK and told this success and expressed that he could save arecanut plot where he has completely implemented this root grub management technologies. He told that all the trees in are healthy and has recovered from root grub damage.

## SUCCESS STORY-4

Mr. Krishna Kulal is a farmer owning 4.5 acres of land. Since many years he was doing agriculture with age old practices. He was introduced the Integrated Farming System importance through training and also by demonstration by giving some technical inputs. After the KVK intervention he says the use of Bio-organic Manure boosted the cucurbits yield 25-30%. He has increased the dairy milk production 3-3.5 lts/cow/ day after the introduction of CO- 4 Fodder and Mineral Mixture. Technology on subsidiary occupation in his farm with Vermicomposting increased the farm income and helped to recycle the farm waste. Adoption of bee keeping and fishery as subsidiary occupation has added to farm income. The good knowledge on marketing linkages has motivated him for better marketing of the produce in turn helped him to market the fresh produce in time and good market price good income. Earlier farmer was earning Rs. 22,000/- with local poultry birds, after introduction of Giriraja Poultry birds, Krishna Kulala is earning Rs. 38,000/-. He says by the adoption of new and innovative technologies especially IFS components, he could able to establish good farming system and could harvest quality and increased farm produce. Overall Success of Krishna Kulala is he earns a net annual income of about Rs. 5.1 lakhs as compared to that of Rs.2.85lakh before intervention of KVK with Integrated Farming System.

### SUCCESS STORY- 5

Mr. Ragavendra of Kunjal, Aroor village who was un-employed youth, has taken the coconut climbing - Friends of Coconut skill from KVK, Brahmavar. Under Innovative programme, he was further trained with the skills and was bagged with KVK badge and uniforms. He has now started earning his livelihood by climbing the coconut trees, he says in an interview by KVK that “He belongs to very poor family, the life of the family depends on the labor wages earned by his father. Earlier before taking this as an employment; he was not having any work and was having no earnings, after taking coconut climbing as an entrepreneur for his life, he is earning Rs. 8000-10,000/ Month. His family is happy with the additional income of Mr. Raghavendra.

#### 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)

<i>S. No.</i>	<i>Crop / Enterprise</i>	<i>ITK Practiced</i>	<i>Purpose of ITK</i>
1.	Paddy, Jasmine, Vegetables etc+	Lakki (Nekki) soppu, kirathakaddy soppu, kasarka (kasana) soppu, beedi soppu, Tulsi soppu.  <ul style="list-style-type: none"> <li>• Mix all the above botanicals in equal proportions (2 kg each)</li> <li>• Dip the above mixture for 15 days in water</li> <li>• Mix the above 1 L. of extract in 4 L. of water use it to all the crops</li> </ul>	To control pests like White flies, Case worm, Army worm and other insects  To manage root grubs along with the extract use lime and neem cake
2.	Jasmine	Mixture of wild plants extracts Viz., Kasaraka , kamti, beedi, kirathaka and Aadusoge soppu	To combat the Sucking pest menace in Jasmine
3	Jeevamrutha	Bengal gram flour -2 kg	If it is used once in a month

		Jaggery - 2 kg Cowdung - 5 kg Cow urine (local) – 5 L. Top soil – 2 kg Groundnut cake – 2 kg Sour butter milk – 2 L. Mix it well in copper container and leave it for 5-7 days Filter it and spray to any crops	we can get good crop yield
4	Milch animals	Black pepper, Mangana balli, Kudasana togate, Garlic, Jeerige, Chilli, Onion, Ginger, wild ginger, Ane moogina thogate, Jaggery, Vante huli mix the above botanics and grind it	Cough, fever, cold gastric and diseases related to tail can be managed

**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
- Rural Youth
- Inservice personnel- Need analysis and Scientist and officers interaction meeting

**10.G. Field activities**

- i. Number of villages adopted-8
- ii. No. of farm families selected -50
- iii. No. of survey/PRA conducted-18



### 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 :

<i>Sl. No</i>	<i>Name of the Equipment</i>	<i>Qty.</i>	<i>Cost</i>
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
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	2662	2600	1540	79860.00
Water Samples	390	350	332	23400.00
Plant samples				
Manure samples				
Others (specify)				
<b>Total</b>	<b>3052</b>	<b>2950</b>	<b>1872</b>	<b>103260</b>

**Details of samples analyzed during the 2013-14 :**

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	162	100	40	4860
Water Samples	80	40	22	4800
Plant samples				
Manure samples				
Others (specify)				
<b>Total</b>	<b>242</b>	<b>140</b>	<b>62</b>	<b>9660</b>

**10.I. Technology Week celebration during 2013-14 Yes/No, If Yes**

Period of observing Technology Week: From 10.12.2013 to 14.12.2013

Total number of farmers visited : 181

Total number of agencies involved : 5

Number of demonstrations visited by the farmers within KVK campus : 10

Other Details

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Gosthies			
Lectures organized	12	181	<ul style="list-style-type: none"> <li>❖ Paddy and paddy based cropping system,</li> <li>❖ Cashew and other horticulture crops,</li> <li>❖ Dairy management,</li> <li>❖ Jasmine and Vegetable cultivation</li> <li>❖ Soil health management</li> </ul>
Exhibition	-	-	-

Types of Activities	No. of Activities	Number of Farmers	Related crop/livestock technology
Film show	3	112	❖ Soil Health ❖ Propagation techniques ❖ Ornamental fish farming ❖ Bee keeping
Fair	-	-	-
Farm Visit	82	104	Paddy, Swarnadhara poultry, vegetable crops, horticulture crops,
Diagnostic Practical's	4	14	Watermelon, groundnut
Supply of Literature (No.)	5	154	Scientific cultivation of jack and value addition, Vanamahotsava and agro forestry Neem and its use in agriculture, Vermi composting, Stall fed goat rearing
Supply of Seed (q)	-	-	-
Supply of Planting materials (No.)			
Bio Product supply (Kg)	-	-	-
Bio Fertilizers (q)	-	-	
Supply of fingerlings	12	20	Catla, common carp and mrigal fingerlings
Supply of Livestock specimen (No.)	1	56	Giriraja poultry birds
	1	9	Rabbit(Newzeland white and Russain grey giant)
Total number of farmers visited the technology week	6	306	❖ Paddy and paddy based cropping system, ❖ Cashew and other horticulture crops, ❖ Dairy management, ❖ Jasmine and Vegetable cultivation ❖ Soil health management

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

A. Introduction of alternate crops/varieties

State	Crops/cultivars	Area (ha)	Number of beneficiaries

B. Major area coverage under alternate crops/varieties

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



**PART XI. IMPACT**

**11.A. Impact of KVK activities (Not to be restricted for reporting period).**

<i>Name of specific technology/skill transferred</i>	<i>No. of participants</i>	<i>% of adoption</i>	<i>Change in income (Rs.)</i>	
			<i>Before (Rs./Unit)</i>	<i>After (Rs./Unit)</i>
Popularization of GPBD-4 groundnut variety	100	60 %	30,011	42,396
Mechanization in paddy	50	45 %	26750	33000
Popularization of vegetable special in watermelon	25	45%	150750	170000
Popularization of banana special and banana bunch feeding to increase bunch size	30	34%	205000	242000
Popularization of CO-4 fodder in coastal region	150	45%	45850	65140
Management of Koleroga in Arecanut	50	65%	59635	76100
Improved breeds of Giriraja and Swarnadhara Back yard poultry farming	350	50%	1250	2450
Cashew apple syrup	150	25 %	250.00	3,500.00

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**

<i>Name of organization</i>	<i>Nature of linkage</i>
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
SIRD, Manipal	Training Programme

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**

<b>Name of the scheme</b>	<b>Role of KVK</b>	<b>Date/ Month of initiation</b>	<b>Funding agency</b>	<b>Amount (Rs.)</b>
Friends of coconut	Training and capacity building	December 2012	Coconut Development Board, Bangalore	447625
IFSD (Govt. of Karnataka)	Training, Demonstration and distribution of critical inputs	May 2011	Govt. of Karnataka	<b>4126198</b>
DCCD (Directorate of Cashew and Coco Development, Kerala)	Conducting training programme on cashew apple value addition	April 2012	DCCD, Kochi	66500

**12.C. Details of linkage with ATMA**

a) Is ATMA implemented in your district Yes/ No-Yes

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

Initiation has taken in preparation of SREP and one of the SMS has been trained as master trainer

**Coordination activities between KVK and ATMA during 2013-14-Nil-**

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	<b>Meetings</b>				
02	<b>Research projects</b>				
03	<b>Training programmes</b>		5		
04	<b>Demonstrations</b>				
05	<b>Extension Programmes</b>				
	Kisan Mela	<b>State Level Jack Mela-2013</b>			
	Technology Week				
	Exposure visit				
	Exhibition				
	Soil health camps				
	Animal Health Campaigns				
	Others (Pl. specify)				
06	<b>Publications</b>				
	Video Films				
	Books				
	Extension Literature				
	Pamphlets				
	Others (Pl. specify)				
07	<b>Other Activities (Pl. specify)</b>				
	Watershed approach				
	Integrated Farm Development				
	Agripreneurs development				

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

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Constraints if any
1	1	Establishment of small scale nursery to produce 50000 planting materials / year	6.25 lakhs	Nil	Nil

**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



## 12. G Kisan Mobile Advisory Services

<i>Month</i>	<i>No. of SMS sent</i>	<i>No. of farmers to which SMS was sent</i>	<i>No. of feedback / query on SMS sent</i>
<b>April -2013 May -2013 June -2013</b>	5	Battada Neji natige 2 dina munche D.A.P 2% mattu manocrotophos keeta nashakavannu 2 ml prati litarige beresi simpadisi (45)	-
		Mungaru maleyalli adikeyalli baruva koleroga niyantranakke bordodranavannu simpadisabeku(39)	
		Battha natige gadde tayarisuva samayadalli hattigobbarda jotege ekarege 200 kg sunnavannu gaddege hakuvudu(47)	
		Keregalalli meenu mari biduvudakke July-August tingalu sookta kalavagiddu. belraludda gatrada 4000 marigalu 1 ekare kerege bidabeku (45)	
		Karavali pradeshakke puttabale, rasabale, nendra bale taligala antara 2x2 meter dalli natimaduvudakke july tingalu sookta (50)	
<b>July -2013</b>	5	Karavaliyalli bhendi bittane maduvudakke july tingalu sookta. NPK 125:75:63 kg/ha hakabeku(47)	-
		Battadalli benki rogada nivaranege gomutravannu (1 baga gomutra 9 baga nirannu simpadisi(52)	
		Tengina rhinoceros dumbiya hatotige dumbigalannu tegedu phorate 10G-10gm samapramanada maralina jote mishra madi prati marada sulige haki(39)	
		Bendi beleyalli haladi nanju roga da nivaranege bittane bijavannu imidacloprid 60 FS @ 5 ml/kg inda upacharisi bittane madi(47)	
		Keregalalli meenu mari biduvudakke July-August tingalu sookta kalavagiddu. beraludda gatrada 4000 marigalu 1 ekare kerege bidabeku(48)	
<b>August-2013 September -2013</b>	3	ಉಡುಪಿ ಮಲ್ಲಿಗೆ ಬೆಳೆಯಲ್ಲಿ ಮೊಗ್ಗು ಕೊರೆಯುವ ಕೀಟಗಳ ಹತೋಟಿಗೆ ಮಾನೋಕ್ರೋಟೊಫಾಸ್ 1	-

<b>October -2013</b>		<p>ಮಿಲಿ/ಲೀ ಸಿಂಪಡಿಸಿ(80)</p> <p>ಅಡಿಕೆಯಲ್ಲಿ ಬೇರು ಹುಳುಗಳ ಹತೋಟಿಗೆ ಭೂಮಿಯನ್ನು ಆಗೇದು ಹುಳುಗಳನ್ನು ಆರಿಸಿ ಸಾಯಿಸಬೇಕು ಹಾಗೂ ಶೇ.4 ಕ್ಲೋರೋಪೈರಿಫಾಸ್ ಗಿಡದ ಬುಡಕ್ಕೆ 2 ಲೀಟರ್ ನಂತೆ ಸುರಿಯಬೇಕು(119)</p> <p>ಬೆಂಡೆ ಬೆಳೆಯಲ್ಲಿ ಹಳದಿ ನಂಜು ರೋಗದ ನಿವಾರಣೆಗೆ ಬಿತ್ತನೆ ಬೀಜವನ್ನು ಇಮಿಡಕ್ಲೋಪ್ರಿಡ್ 60 ಎಪ್. ಎಸ್ @ 5 ಮಿಲಿ/ಕೆಜಿ ಇಂದ ಉಪಚರಿಸಿ ಬಿತ್ತನೆ ಮಾಡಿ(85)</p>	
<b>November -2013</b>	3	<p>ಉಡುಪಿ ಮಲ್ಲಿಗೆಯಲ್ಲಿ ಎಲಿಚುಕ್ಕೆ ರೋಗದ ಹತೋಟಿಗೆ 1 ಗ್ರಾಂ ಬೆವೆಸ್ಟಿನ್ 1 ಲೀಟರ್ ನೀರಿಗೆ ಬೆರೆಸಿ ಸಿಂಪಡಿಸಿ(113)</p> <p>ತೆಂಗಿನ ರೈನೋಸೆರೋಸ್ ದುಂಬಿಯ ಹತೋಟಿಗೆ ದುಂಬಿಗಳನ್ನು ತೆಗೆದು ಫೋರೇಟ್ 10g -10 ಗ್ರಾಂ ಸಮಪ್ರಮಾಣದ ಮರಳಿನ ಜೊತೆ ಮಿಶ್ರ ಮಾಡಿ ಪ್ರತಿ ಮರದ ಸುಲಿಗೆ ಹಾಕಿ(127)</p> <p>ತೆಂಗಿನ ನುಸಿ ಬಾದೆ ಕಡಿಮೆ ಮಾಡಲು ಪ್ರತಿ ಮರಕ್ಕೆ 5 ಕೆ. ಜಿ. ಬೇವಿನ ಹಿಂಡಿ, 1 ಕೆ.ಜಿ. ಪೊಟಾಷ್ ಹಾಕಿ(97)</p>	-
<b>December -2013</b>	4	<p>ಅಡಿಕೆ ಮರದ ಬುಡದಿಂದ ಮೂರು ಅಡಿ ದೂರದಲ್ಲಿ ಪ್ರತಿ ಮರಕ್ಕೆ 250 ಗ್ರಾಂ ಸುಣ್ಣ ಹಾಕಿದ 15 ದಿನದ ನಂತರ 100 ಗ್ರಾಂ ಸಾರಜನಕ, 40 ಗ್ರಾಂ ರಂಜಕ, 140 ಗ್ರಾಂ ಪೊಟಾಷ್ ಜೊತೆಗೆ ಹೆಚ್ಚಿ ಗೊಬ್ಬರವನ್ನು 10 ಕೆ.ಜಿ ಯಷ್ಟು ಸೆಪ್ಟೆಂಬರ್, ಅಕ್ಟೋಬರ್ ತಿಂಗಳಲ್ಲಿ ಕೊಡಬೇಕು(87)</p> <p>ದ್ವಿದಳ ಧಾನ್ಯ ಬೆಳೆಗಳಾದ ಉದ್ದು ಮತ್ತು ಹೆಸರನ್ನು ಬತ್ತದ ಕಟಾವಿನ ನಂತರ ಎಕರೆಗೆ 8-10 ಕೆ.ಜಿ. ಬಿತ್ತನೆ ಮಾಡಿ(117)</p> <p>ಎಕರೆಗೆ 200 ಕೆ.ಜಿ. ಜಿಪ್ಸಂ ನ್ನು ಬಿತ್ತನೆಗೆ ಮುನ್ನ ನೀಡಿ ನೆಲಗಡಲೆ ಬಿತ್ತಿದರೆ ಅಧಿಕ ಇಳುವರಿ ಪಡೆಯಬಹುದು(109)</p> <p>ಬತ್ತದ ಕಟಾವಿನ ನಂತರ ಉದ್ದು ಅಥವಾ ಹಸಿರೆಲೆ ಬೆಳೆಗಳನ್ನು ಬೆಳೆದು ಮಣ್ಣಿನ ಫಲವತ್ತತೆ ಹೆಚ್ಚಿಸಿ(87)</p>	-

<b>January 2014</b>			
<b>February -2014</b>	2	<p>ಉಡುಪಿ ಮಲ್ಲಿಗೆಯಲ್ಲಿ ಎಲೆಚುಕ್ಕೆ ರೋಗದ ಹತೋಟಿಗೆ 1 ಗ್ರಾಂ ಬೆವೆಸ್ಟಿನ್ 1 ಲೀಟರ್ ನೀರಿಗೆ ಬೆರೆಸಿ ಸಿಂಪಡಿಸಿ(183)</p> <p>ಹುಳಿ ಮಣ್ಣಿನ ನಿರ್ವಹಣೆಗೆ ಮಣ್ಣು ಪರೀಕ್ಷೆ ಆಧಾರದ ಮೇಲೆ ಸುಣ್ಣವನ್ನು ಕೊಡಬೇಕು ಮತ್ತು ಮಣ್ಣು ಪರೀಕ್ಷೆಯನ್ನು ಕಡ್ಡಾಯವಾಗಿ ಎರಡು ವರ್ಷಕ್ಕೊಮ್ಮೆ ಮಾಡಿಸಬೇಕು (ಕೆ.ವಿ.ಕೆ. ಬ್ರಹ್ಮಾವರ)(78)</p>	-
<b>March 2014</b>	11	<p>ತೆಂಗಿನ ರೈನೋಸೆರೋಸ್ ದುಂಬಿಯ ಹತೋಟಿಗೆ ದುಂಬಿಗಳನ್ನು ತೆಗೆದು ಫೋರೇಟ್ 10g -10 ಗ್ರಾಂ ಸಮಪ್ರಮಾಣದ ಮರಳಿನ ಜೊತೆ ಮಿಶ್ರ ಮಡಿ ಪ್ರತಿ ಮರದ ಸುಲಿಗೆ ಹಾಕಿ (151)</p> <p>ತೆಂಗಿನ ನುಸಿ ಬಾದೆ ಕಡಿಮೆ ಮಾಡಲು ಪ್ರತಿ ಮರಕ್ಕೆ 5 ಕೆ. ಜಿ. ಬೇವಿನ ಹಿಂಡಿ, 1 ಕೆ.ಜಿ. ಪೊಟಾಷ್ ಹಾಕಿ (ಕೆ.ವಿ.ಕೆ. ಬ್ರಹ್ಮಾವರ)(89)</p> <p>ಅಡಿಕೆಯಲ್ಲಿ ಬೇರು ಹುಳುಗಳ ಹತೋಟಿಗೆ ಬೂಮಿಯನ್ನು ಅಗೆದು ಹುಳುಗಳನ್ನು ಆರಿಸಿ ಸಾಯಿಸಬೇಕು ಹಾಗೂ ಶೆ.ಳಿ ಕ್ಲೋರೋಫೈರಿಫಾಸ್ ಗಿಡದ ಬುಡಕ್ಕೆ ೨ ಲೀಟರ್ ನಂತೆ ಸುರಿಯಬೇಕು (99)</p> <p>ಅಡಿಕೆ ಮರದ ಬುಡದಿಂದ ಮೂರು ಅಡಿ ದೂರದಲ್ಲಿ ಪ್ರತಿ ಮರಕ್ಕೆ 250 ಗ್ರಾಂ ಸುಣ್ಣ ಹಾಕಿದ 15 ದಿನದ ನಂತರ 100 ಗ್ರಾಂ ಸಾರಜನಕ, 40 ಗ್ರಾಂ ರಂಜಕ, 140 ಗ್ರಾಂ ಪೊಟಾಷ್ ಜೊತೆಗೆ ಹಟ್ಟಿ ಗೊಬ್ಬರವನ್ನು 10 ಕೆ.ಜಿ ಯಷ್ಟು ಸೆಪ್ಟೆಂಬರ್, ಅಕ್ಟೋಬರ್ ತಿಂಗಳಲ್ಲಿ ಕೊಡಬೇಕು (ಕೆ.ವಿ.ಕೆ. ಬ್ರಹ್ಮಾವರ)(177)</p>	-

		<p>ಬೆಂಜೆ ಬೆಳೆಯಲ್ಲಿ ಹಳದಿ ನಂಜು ರೋಗದ ನಿವಾರಣೆಗೆ ಬಿತ್ತನೆ ಬೀಜವನ್ನು ಇಮಿಡಕ್ಲೋಪ್ರಿಡ್ 60 ಎಪ್. ಎಸ್ @ 5 ಮಿಲಿ/ಕೆಜಿ ಇಂದ ಉಪಚರಿಸಿ ಬಿತ್ತನೆ ಮಾಡಿ(99)</p>	
		<p>ಬೇಸಿಗೆಯಲ್ಲಿ ತೇವಾಂಶವನ್ನು ಸಂರಕ್ಷಿಸಲು ತೆಂಗಿನ ಬುಡದಲ್ಲಿ ತೆಂಗಿನ ನಾರಿನ ಹುಡಿ ಅಥವಾ ತೆಂಗಿನ ಎಲೆಗಳನ್ನು ಹರಡಬೇಕು(78)</p>	
		<p>ತೆಂಗಿನ ಬೆಳೆಯಲ್ಲಿ ಹನಿ ನೀರಾವರಿ ಆಳವಡಿಸುವುದರಿಂದ ಶೇ 25 ರಷ್ಟು ಬೇರಿನ ವಲಯ ನೀರನ್ನು ಪಡೆದು ಮರದ ಬೆಳವಣಿಗೆ ಹಾಗೂ ಇಳುವರಿಯನ್ನು ಹೆಚ್ಚಿಸುತ್ತದೆ (ಕೆ.ವಿ.ಕೆ. ಬ್ರಹ್ಮಾವರ) (78)</p>	
		<p>ಅಡಿಕೆ ಮರಗಳಿಗೆ ಹನಿ ನೀರಾವರಿ ಮುಖಾಂತರ ನೀರನ್ನು ಹಾಯಿಸುವಾಗ ಪ್ರತಿ ಮರಕ್ಕೆ 20 ಲೀಟರ್ ನಷ್ಟು ನೀರು ಬಿಡಬೇಕಾಗುತ್ತದೆ(85)</p>	
		<p>ಅಡಿಕೆ ಮತ್ತು ಕೊಕ್ಕೂ ಮಿಶ್ರ ಬೆಳೆಯಲ್ಲಿ ಹನಿ ನೀರಾವರಿ ಪದ್ಧತಿಯಲ್ಲಿ ನೀರುಣಿಸುವಾಗ ಎರಡೂ ಬೆಳೆಗಳ ನೀರಿನ ಅವಶ್ಯಕತೆ ಒಂದೇ ಆಗಿರುತ್ತದೆ (78)</p>	
		<p>ಅಡಿಕೆ ಮಿಶ್ರ ಬೆಳೆ ಪದ್ಧತಿಯಲ್ಲಿ ಮೆಣಸು, ಬಾಳೆ ಮತ್ತು ಕೊಕ್ಕೂ ಇರುವ ಪದ್ಧತಿಯು ಉತ್ತಮವೆಂದು ತಿಳಿದು ಬಂದಿದೆ(85)</p>	
		<p>ಹಸಿರು ಗೊಬ್ಬರವನ್ನು ಮಣ್ಣಿಗೆ ಸೇರಿಸುವುದರಿಂದ ಮಣ್ಣಿನಲ್ಲಿರುವ ಸಾವಯವ ಅಂಶ ಹೆಚ್ಚಾಗಿ ಮಣ್ಣಿನ ಫಲವತ್ತತೆ ಹೆಚ್ಚಾಗುತ್ತದೆ ಹಾಗೂ ಮಣ್ಣು ಹೆಚ್ಚು ಪೋಷಕಾಂಶಗಳಿಂದ ಕೂಡಿರುತ್ತದೆ(85)</p>	
<b>Total for the year 2013-14</b>	<b>33</b>		







**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	172871- 173629	000015000	CNRB 0000466

**14.B. Utilization of KVK funds during the year 2013-14 (Rs. in lakh)**

S. No.	Particulars	Sanctioned	Released	Expenditure
<b>A. Recurring Contingencies</b>				
1	<b>Pay &amp; Allowances</b>	42,00,000.00	52,00,000.00	52,246,34.00
2	<b>Traveling allowances</b>	1,75,000.00	1,10,000.00	1,56,074.00
3	<b>Contingencies</b>			
<i>A</i>	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	2,40,000.00	2,60,000.00	2,59,690.00
<i>B</i>	POL, repair of vehicles, tractor and equipments	2,00,000.00	2,13,000.00	2,12,965.00
<i>C</i>	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	90,000.00	90,000.00	88,950.00
<i>D</i>	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	80,000.00	60,000.00	60,000.00
<i>E</i>	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	4,00,000.00	2,94,000.00	2,93,886.00
<i>F</i>	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	1,00,000.00	56,000.00	55,538.00
<i>G</i>	Training of extension functionaries	25,000.00	23,000.00	22,892.00
<i>H</i>	Maintenance of buildings	80,000.00	80,000.00	79,122.00
<i>I</i>	Establishment of Soil, Plant & Water Testing Laboratory			
<i>J</i>	Library	5,000.00	5,000.00	4,755.00
<i>K</i>	Extension activities	50,000.00	44,000.00	43,439.00
<i>L</i>	Farmers Field School	30,000.00	25,000.00	24,235.00



<b>TOTAL (A)</b>		<b>56,75,000.00</b>	<b>64,60,000</b>	<b>65,26,180.00</b>
<b>B. Non-Recurring Contingencies</b>				
1	<b>Works</b>			
2	<b>Equipments including SWTL &amp; Furniture</b>			
3	<b>Vehicle</b> (Four wheeler/Two wheeler, please specify)			
4	<b>Library</b> (Purchase of assets like books & journals)			
<b>TOTAL (B)</b>				
<b>C. REVOLVING FUND</b>				
<b>GRAND TOTAL (A+B+C)</b>		<b>56,75,000.00</b>	<b>64,60,000</b>	<b>65,26,180.00</b>

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

<b>Year</b>	<b>Opening balance as on 1<sup>st</sup> April</b>	<b>Income during the year</b>	<b>Expenditure during the year</b>	<b>Net balance in hand as on 1<sup>st</sup> April of each year</b>
April 2011 to March 2012	448445	382656	484076	347025
April 2012 to March 2013	347025	250229	300833	296421
April 2013 to March 2014	296421	813171	814114	295478

**15. Details of HRD activities attended by KVK staff during 2013-14**

<b>Name of the staff</b>	<b>Designation</b>	<b>Title of the training programme</b>	<b>Institute where attended</b>	<b>Dates</b>
Mr. H.S. Chaitanya	SMS (Horticulture)	Induction training programme	Staff training unit, UAS, Bangalore	15 <sup>th</sup> June, 2013
Mr. Jayaprakash R.	SMS (Soil Science)	Induction training programme	Staff training unit, UAS, Bangalore	15 <sup>th</sup> June, 2013
Mr. H.S. Chaitanya	SMS (Horticulture)	Training on revisiting of SREP	MANAGE, Hyderabad	15 <sup>th</sup> July, 2013
Mr. Shrinivas H. Hulkoti Dr. Satheesh N. Dr. Ganesh Prasad T.	SMS(Animal Science) SMS(Home Science) SMS(Agril Extn.)	Orientation programme	UAS, Bangalore	27-29 <sup>th</sup> December, 2013

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Mr. Shrinivas H. Hulkoti	SMS(Animal Science)	Extension approaches for sealing out recent development in livestock production technologies	Veterinary College, Shimoga	7-9 January 2014
Mr. Shrinivas H. Hulkoti	SMS(Animal Science)	Integrated fish farming	Veterinary College, Hebbal, Bangalore	29-31 <sup>st</sup> January, 2014
Mr. Shrinivas H. Hulkoti	SMS(Animal Science)	Foot and mouth disease	ZPD Office, Bangalore	1st February, 2014
Mr. Shrinivas H. Hulkoti	SMS(Animal Science)	Strategies for bridging the yield gap in fisheries and aquaculture	College of fisheries, Mangalore	24-25 <sup>th</sup> March, 2014
Mrs Shailaja	Programme Assistant (Computer)	Enhancement of programming skill development [(Structured Query Languages), Visual Studio.Net Programming (C#) with SQL (Structured Query Languages) & Use of Asynchronous JavaScript XML (AJAX)]	Directorate of Extension, UAS, Dharwad	18-30 August, 2013

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

# SUMMARY FOR 2013-14

## I. TECHNOLOGY ASSESSMENT

### Summary of technologies assessed under various crops

Thematic areas	Crop	Name of the technology assessed	No. of trials
Integrated Nutrient Management	Cucumber	Nutrient management in Cucumber	3
Varietal Evaluation	Groundnut	Assessment of Groundnut varieties	3
Integrated Pest Management			
Integrated Crop Management	Okra	Integrated crop management in Okra	10
Integrated Disease Management			
Small Scale Income Generation Enterprises			
Weed Management			
Resource Conservation Technology			
Farm Machineries			
Integrated Farming System			
Seed / Plant production			
Value addition			
Drudgery Reduction			
Storage Technique			
Others (Pl. specify)			
<b>Total</b>			<b>16</b>

**Summary of technologies assessed under livestock**

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials
Disease Management			
Evaluation of Breeds			
Feed and Fodder management			
Nutrition Management			
Production and Management	Fishery	Assessment of compatibility & survival rate of pungacius fish species	4
Others (Pl. specify)			
<b>Total</b>			4

•  
**Summary of technologies assessed under various enterprises- Nil-**

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

**Summary of technologies assessed under home science- Nil-**

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

## II. TECHNOLOGY REFINEMENT

### Summary of technologies refined under various crops-Nil-

Thematic areas	Crop	Name of the technology refined	No. of trials
Integrated Nutrient Management			
Varietal Evaluation			
Integrated Pest Management			
Integrated Crop Management			
Integrated Disease Management			
Small Scale Income Generation Enterprises			
Weed Management			
Resource Conservation Technology			
Farm Machineries			
Integrated Farming System			
Seed / Plant production			
Value addition			
Drudgery Reduction			
Storage Technique			
Others (Pl. specify)			
<b>Total</b>			

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

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

**Summary of technologies refined under various enterprises –Nil-**

<b>Thematic areas</b>	<b>Enterprise</b>	<b>Name of the technology assessed</b>	<b>No. of trials</b>

**Summary of technologies refined under home science –Nil-**

<b>Thematic areas</b>	<b>Enterprise</b>	<b>Name of the technology assessed</b>	<b>No. of trials</b>

### III. FRONTLINE DEMONSTRATION

#### Crops

Crop	Thematic area	Name of the technology demonstrated	No. of KVKs	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
						Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Cereals																		
Paddy	Mechanization	Mechanization in paddy		10	4	58	55	5.4			29000	60000	31000	2.0	30590	58173	27583	1.9
Paddy	ICM	Integrated crop management in paddy		10	2	63	51	24			30360	69470	39110	2.2	27860	58174	30314	2
Paddy	Soil acidity management	Soil acidity management in paddy		10	2	64	52	23			31370	68460	37090	2.1	29591	57185	27594	1.9
Millets																		
Oilseeds																		
Groundnut	INM	Micro nutrient ( Zinc and Boron) Application in Groundnut		10	4	25	19	31.5			24000	105000	81000	4.3	21859	79625	57766	3.6
Pulses																		
Blackgram	ICM	Popularization of black gram LBG-625 variety in coastal region		16	5	7.1	5.6	26			10000	22000	12000	2.2	8000	19250	11250	2.4
Vegetables																		
Ridgegourd	INM	Integrated Nutrient Management in Ridgegourd		10	4	58	50	16			60000	126000	66000	2.1	50000	80000	30000	1.6





Crop	Thematic area	Name of the technology demonstrated	No. of KVKs	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
						Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
<b>Arecanut</b>	IPM	Integrated management of Root Grub in Arecanut		10	4	<b>On going</b>												
<b>Fibre</b>																		
<b>Others (pl.specify)</b>																		

\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

#### 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																		
<b>Rabbitry</b>																		
<b>Pigerry</b>																		
<b>Sheep and goat</b>																		
<b>Duckery</b>																		
<b>Others (pl.specify)</b>																		
	<b>Total</b>																	

\* 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

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																			
Catla,Rohu and common carp		Culture of fresh water carps in farm ponds Catla:Rohu: common carp (4:3:3)		9	1 ha														
Mussels																			
Ornamental fishes																			
Others (pl.specify)																			
Asian Sea bass		Culture of Individually high value brackish water fish in cage culture system		4	12m <sup>2</sup>														
		<b>Total</b>		<b>13</b>															

\* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

\*\* BCR= GROSS RETURN/GROSS COST

## RESULTS OF ON – GOING OFTs AND FLDs

### Observations of Ongoing OFTs- Assessment of compatibility & survival rate of *Pungacius* fish species

<i>Observations</i>								
<i>Fish Variety or breed</i>	<i>Initial length (cms)</i>	<i>Initial weight (gms)</i>	<i>2<sup>nd</sup> Month observation</i>		<i>4<sup>nd</sup> Month observation</i>		<i>7<sup>th</sup> Month observation</i>	
			<i>Length (cms)</i>	<i>Weight (gms)</i>	<i>Length (cms)</i>	<i>Weight (gms)</i>	<i>Length (cms)</i>	<i>Weight (gms)</i>
Pungacius	7.5	4.8	13.92	100.58	20.34	196.36	30	340
Catla	4.1	7.5	11.22	109.64	18.34	211.78	29	365
Rohu	4.3	8.0	10.22	85.72	16.14	163.44	25	280
Common carp	2.8	1.7	6.0	44.08	9.2	86.46	14	150

FLD: Integrated Management of Root grubs in Arecanut ( On- going)  
 Observation on Root grub population (No. of grubs/ palm)

Parameters- No. of Grubs/ Palm	Demonstration	Check
Before Treatment	8.8 grubs/tree	7.4 grubs/tree
20DAT	4.3 grubs/tree	6.3 grubs/tree
40DAT	1.3 grubs/tree	7.9 grubs/tree
60DAT	2.3grubs/tree	6.5 grubs/tee
80DAT	2.9 grubs/tree	8.2 grubs/tree

**Appearance of the palm:** There is not much difference between treated and untreated palm

**Observations of Ongoing FLD- Culture of fresh water carps in farm ponds Catla:Rohu: common carp (4:3:3)**

<i>Observations</i>								
<i>Fish Variety or breed</i>	<i>Initial length (cms)</i>	<i>Initial weight (gms)</i>	<i>2<sup>nd</sup> Month observation</i>		<i>4<sup>nd</sup> Month observation</i>		<i>7<sup>th</sup> Month observation</i>	
			<i>Length (cms)</i>	<i>Weight (gms)</i>	<i>Length (cms)</i>	<i>Weight (gms)</i>	<i>Length (cms)</i>	<i>Weight (gms)</i>
Catla	4.1	7.5	11.5	111.06	18.9	214.62	30	370
Rohu	4.3	8.0	10.78	91.42	17.26	133.13	27	300
Common carp	2.8	1.7	6.28	46.92	9.76	92.14	15	160

**Observations of Ongoing FLD -Culture of Individually high value brackish water fish in cage culture system**

<i>Observations</i>								
<i>Fish Variety or breed</i>	<i>Initial length (cms)</i>	<i>Initial weight (gms)</i>	<i>2<sup>nd</sup> Month observation</i>		<i>4<sup>nd</sup> Month observation</i>		<i>5<sup>th</sup> Month observation</i>	
			<i>Length (cms)</i>	<i>Weight (gms)</i>	<i>Length (cms)</i>	<i>Weight (gms)</i>	<i>Length (cms)</i>	<i>Weight (gms)</i>
Asian Sea bass	4.2	12	9.52	91.2	14.84	170.4	17.5	210

**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)																		
<b>Total</b>																		

\* 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
<b>Women</b>						
Pregnant women						
Adolescent Girl						
Other women						
<b>Children</b>						
Neonats						
Infants						
Children						

















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)										
<b>Capacity Building and Group Dynamics</b>										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
<b>Agro-forestry</b>										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
<b>TOTAL</b>	<b>29</b>	<b>608</b>	<b>314</b>	<b>922</b>	<b>90</b>	<b>46</b>	<b>136</b>	<b>698</b>	<b>360</b>	<b>1058</b>













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)										
<b>Capacity Building and Group Dynamics</b>										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
<b>Agro-forestry</b>										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
<b>TOTAL</b>	<b>21</b>	<b>374</b>	<b>151</b>	<b>525</b>	<b>23</b>	<b>12</b>	<b>35</b>	<b>397</b>	<b>165</b>	<b>560</b>







**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	3	67	6	73	29	5	34	96	11	107
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	1	-	30	30	-	2	2	-	32	32
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	1	14	2	16	4	1	5	18	3	21
<b>Total</b>	<b>5</b>	<b>81</b>	<b>38</b>	<b>119</b>	<b>33</b>	<b>8</b>	<b>41</b>	<b>114</b>	<b>46</b>	<b>160</b>





## Sponsored training programmes

S.No.	Area of training	No. of Courses	No. of Participants									
			General			SC/ST			Grand Total			
			Male	Female	Total	Male	Female	Total	Male	Female	Total	
<b>1</b>	<b>Crop production and management</b>											
1.a.	Increasing production and productivity of crops	<b>2</b>	<b>28</b>	<b>12</b>	<b>40</b>	<b>3</b>	<b>2</b>	<b>5</b>	<b>31</b>	<b>14</b>	<b>45</b>	
1.b.	Commercial production of vegetables											
<b>2</b>	<b>Production and value addition</b>											
2.a.	Fruit Plants											
2.b.	Ornamental plants											
2.c.	Spices crops	<b>1</b>	<b>13</b>	<b>12</b>	<b>25</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>13</b>	<b>12</b>	<b>25</b>	
<b>3.</b>	<b>Soil health and fertility management</b>	<b>1</b>	<b>25</b>	<b>16</b>	<b>41</b>	<b>2</b>	<b>1</b>	<b>3</b>	<b>27</b>	<b>17</b>	<b>44</b>	
<b>4</b>	<b>Production of Inputs at site</b>											
<b>5</b>	<b>Methods of protective cultivation</b>											
<b>6</b>	<b>Others (pl.specify)</b>											
<b>7</b>	<b>Post harvest technology and value addition</b>											
7.a.	Processing and value addition											
7.b.	Others (pl.specify)											
<b>8</b>	<b>Farm machinery</b>											
8.a.	Farm machinery, tools and implements											
8.b.	Others (pl.specify)											
<b>9.</b>	<b>Livestock and fisheries</b>											
<b>10</b>	<b>Livestock production and management</b>	<b>1</b>	<b>29</b>	<b>72</b>	<b>101</b>	<b>25</b>	<b>35</b>	<b>60</b>	<b>54</b>	<b>107</b>	<b>161</b>	
10.a.	Animal Nutrition Management											
10.b.	Animal Disease Management											
10.c.	Fisheries Nutrition											
10.d.	Fisheries Management											
10.e.	Others (pl.specify)											
<b>11.</b>	<b>Home Science</b>											
11.a.	Household nutritional security											
11.b.	Economic empowerment of women											
11.c.	Drudgery reduction of women											
11.d.	Others (pl.specify)											
<b>12</b>	<b>Agricultural Extension</b>											
12.a.	Capacity Building and Group Dynamics											
12.b.	Protection of plant varieties and farmers rights act-2001	<b>1</b>	<b>58</b>	<b>29</b>	<b>87</b>	<b>10</b>	<b>7</b>	<b>17</b>	<b>68</b>	<b>36</b>	<b>104</b>	
	<b>Total</b>	<b>6</b>	<b>153</b>	<b>141</b>	<b>294</b>	<b>40</b>	<b>45</b>	<b>85</b>	<b>193</b>	<b>186</b>	<b>379</b>	

**Details of Vocational Training Programmes carried out for rural youth**

S.No.	Area of training	No. of Courses	No. of Participants									
			General			SC/ST			Grand Total			
			Male	Female	Total	Male	Female	Total	Male	Female	Total	
<b>1</b>	<b>Crop production and management</b>											
1.a.	Commercial floriculture											
1.b.	Commercial fruit production											
1.c.	Commercial vegetable production											
1.d.	Integrated crop management											
1.e.	Organic farming											
1.f.	Others (pl.specify)											
<b>2</b>	<b>Post harvest technology and value addition</b>											
2.a.	Value addition	<b>1</b>	<b>15</b>	<b>4</b>	<b>19</b>	<b>6</b>	<b>2</b>	<b>8</b>	<b>21</b>	<b>6</b>	<b>27</b>	
2.b.	Others (pl.specify)											
<b>3.</b>	<b>Livestock and fisheries</b>											
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	<b>1</b>	<b>27</b>	<b>2</b>	<b>29</b>	<b>6</b>	<b>1</b>	<b>7</b>	<b>33</b>	<b>3</b>	<b>36</b>	
<b>4.</b>	<b>Income generation activities</b>											
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	<b>1</b>	<b>13</b>	<b>6</b>	<b>19</b>	<b>4</b>	<b>2</b>	<b>6</b>	<b>17</b>	<b>8</b>	<b>25</b>	
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	<b>1</b>	<b>47</b>	<b>5</b>	<b>52</b>	<b>-</b>	<b>1</b>	<b>1</b>	<b>47</b>	<b>6</b>	<b>53</b>	
<b>5</b>	<b>Agricultural Extension</b>											
5.a.	Capacity building and group dynamics											
5.b.	Others (pl.specify)											
	<b>Grand Total</b>	<b>4</b>	<b>102</b>	<b>17</b>	<b>119</b>	<b>16</b>	<b>6</b>	<b>22</b>	<b>118</b>	<b>23</b>	<b>141</b>	

### V. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services	841	841	-	841
Diagnostic visits	42	42	-	42
Field Day	6	240		240
Group discussions	39	500	12	512
Kisan Ghosthi	-	-	-	-
Film Show	5	500	-	500
Self -help groups	-	-	-	-
Kisan Mela	4	2000	-	2000
Exhibition	12	3500	70	3570
Scientists' visit to farmers field	62	340	-	340
Plant/animal health camps	1	30		30
Farm Science Club	-	-		-
Ex-trainees Sammelan	-	-		-
Farmers' seminar/workshop	1	29	1	30
Method Demonstrations	15	440	9	449
Celebration of important days	10	435	-	435
Special day celebration				
Exposure visits	6	120	-	120
Others (pl.specify)				
<b>Total</b>	<b>1044</b>	<b>9017</b>	<b>92</b>	<b>9109</b>

**Details of other extension programmes**

Particulars	Number
Electronic Media	-
Extension Literature	5
News Letter	4
News paper coverage	58
Technical Articles	-
Technical Bulletins	2
Technical Reports	-
Radio Talks	5
TV Talks	2
Animal health amps (Number of animals treated)	1
Others (pl.specify)	
Total	

**VI. PRODUCTION OF SEED/PLANTING MATERIAL****Production of seeds by the KVKs**

Crop category	Name of the crop	Name of the variety (if hybrid pl. specify)	Quantity of seed (qtl)	Value (Rs)	Number of farmers
Cereals (crop wise)					
Oilseeds					
Pulses					
Commercial crops	Bhendi (Lady finger) Cashew grafts	White velvet Ullal-1	0.36 qtl 11716 Nos	36255 234320	726 1073
Vegetables					
Flower crops					
Spices					
Fodder crop seeds					
Fiber crops					
Forest Species					
Others (specify)	Paddy bulk	MO-4	15 qtl	18000	
<b>Total</b>				<b>270575</b>	<b>1749</b>

**Production of planting materials by the KVK**

<i>Crop category</i>	<i>Name of the crop</i>	<b>Name of the variety (if hybrid pl. specify)</b>	<i>Number</i>	<i>Value (Rs.)</i>	<i>Number of farmers</i>
Commercial					
Vegetable seedlings	Drumstick	Bhagya	335	5025	116
Fruits	Papaya	Thaiwan Red Lady	2208	33120	273
Ornamental plants					
Medicinal and Aromatic					
Plantation	Coconut	WCT	655	32750	223
		COD	253	17710	176
Spices					
Tuber					
Fodder crop saplings	Fodder	CO-4	900	4500	321
Forest Species					
Others(specify)					
<b>Total</b>				<b>93105</b>	<b>1109</b>

**Production of Bio-Products-Nil-**

<b>Bio Products</b>	<b>Name of the bio-product</b>	<b>Quantity</b>	<b>Value (Rs.)</b>	<b>No. of Farmers</b>
		<b>Kg</b>		
Bio Fertilizers				
Bio-pesticide				
Bio-fungicide				
Bio Agents				
Others				
<b>Total</b>				

**Production of livestock and related enterprise materials**

<i>Particulars of Live stock</i>	<i>Name of the breed</i>	<i>Number</i>	<i>Value (Rs.)</i>	<i>Number of farmers</i>
<b>Dairy animals</b>				
Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
<b>Poultry</b>				
Broilers	Giriraja	1121 Nos	89680	350
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
<b>Piggery</b>				
Piglet				
Others (Pl. specify)	Rabbit	18 Nos	6300	13
<b>Fisheries</b>				
Fingerlings				
Others (Pl. specify)				
<b>Total</b>			<b>95980</b>	<b>363</b>

### VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS 2013-14

Samples	No. of Samples	No. of Farmers	No. of Villages	Amount realized (Rs.)
Soil	162	100	40	4860
Water	80	40	22	4800
Plant				
Manure				
Others (pl.specify)				
<b>Total</b>	242	140	62	9660

### VIII. SCIENTIFIC ADVISORY COMMITTEE

Number of SACs conducted – Nil-

### IX. NEWSLETTER

Number of issues of newsletter published - 4

### X. RESEARCH PAPER PUBLISHED

Number of research paper published - 3

### 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.)

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