ANNUAL REPORT 2011-12

(FOR THE PERIOD APRIL 2011 TO MARCH 2012)

KRISHI VIGYAN KENDRA, DAKSHINA KANNADA DISTRICT

KARNATAKA VETERINARY, ANIMAL & FISHERIES SCIENCES UNIVERSITY, BIDAR

KRISHI VIGYAN KENDRA (D.K)

P.B. No.515, Kankanady, Mangalore -575002
☎: 0824: 2431872
e-mail: kvkdk@rediffmail.com

No. KVK (D.K.)/ Annual Report/ 2012 -13 Date: 30-04-2012

To,

The Zonal Project Director
Zonal Project Directorate
Zone VIII, ICAR (TOT)
H.A. Farm Post, Hebbal,
Bangalore – 560 0024.

Sir,

Sub: Submission of Annual Report for 2011-12 of Krishi Vigyan Kendra (D.K), Kankanady, Mangalore-reg.
Ref: 1. ARM 2011-12/ZPD VIII/19th April 2012

***

With reference to the above subject, I am herewith submitting Annual Report Krishi Vigyan Kendra (D.K), Kankanady, Mangalore for the period from April 2011 to March 2012 for your kind information and needful.

Thanking you,

Yours faithfully,

Programme Coordinator

Copy submitted to:
The Director of Extension, KVAFSU, Nandinagar, Bidar-585 401.

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 (D.K), Kankanady, Mangalore-575002.	Office: 0824-2431872	Fax: 0824-2430060	kvkdk@rediffmail.com	-

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

Address	Telephone		E mail	Web Address
	Office	Fax		
Vice Chancellor Karnataka Veterinary Animal & Fisheries Sciences University Nandinagar ,P.B.No.-6, Bidar-585 401	08482-245264	08482-245107	vckvafsu@yahoo.co.in dekvafsu@gmail.com	www.kvafsu.kar.nic.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. H. Hanumanthappa	0824-2430716	9731845804	hhanumanthappa@rediffmail.com

1.4. Year of sanction: 2004

1.5. Staff Position (as 31st March 2012)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M/F	Discipline	Highest Qualification (for PC, SMS and Prog. Asstt.)	Pay Scale	Basic pay	Date of joining KVK	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Programme Coordinator	Dr. H. Hanumanthappa	Programme coordinator	M	Fisheries	Ph D	37400-67000	59610/-	21-01-2006	Permanent	SC
2	SMS	Shashikanth	SMS	M	Horticulture	M.Sc(Agri)	-	23000/- consolidated	02-06-2011	Work contract basis	SC
3	SMS	Punitha. B.C	SMS	F	Soil Science	M.Sc(Agri)	-		03-11-2011	Work contract basis	SC
4	SMS	Ashokkumar Bennur	SMS	M	Agril. Extension	M.Sc(Agri)	-		04-11-2011	Work contract basis	OBC
5	SMS	Prabhakar.A	SMS	M	Entomology	M.Sc(Agri)	-		05-01-2012	Work contract basis	OBC
6	SMS	Shweta. B .K	-	F	Home Science	M.H Sc.	-		08-11-2011	Work contract basis	General
7	SMS	-	-	-	Fisheries-	Vacant	-	-	-	Vacant	
8	Programme Assistant(Lab Tech.)/T-4	Mr. Harish Shenoy	Tech. Assistant	M	-	M.sc. (Agri.)Agronomy	5500-9000 Pre revised Scale	5500/-	11-11-2010	Permanent	General
9	Programme Assistant (Computer)/ T-4	Mr. Sathisha Naik K.	Prog.Assistant (Computer)	M	-	B.Com., ADCST (Computer)	5500-9000 Pre revised Scale	5500/-	24-01-2011	Permanent	ST
10	Programme Assistant/ Farm Manager	--	Farm Manager	F	Vacant		-	-	-	-	-
11	Assistant	Bhavya	Assistant	F	-	B.Com.	-	7900/- consolidated	26.10.2011	Work contract basis	OBC
12	Jr. Stenographer	Deepa	Stenographer	F	-	B.Com.	-		02-11-2011	Work contract basis	OBC
13	Driver	Mr. Keshava	Jeep Driver	M	-	SSLC	-	5700/- consolidated	28-11-2011	Work contract basis	OBC
14	Driver	-	Tractor Driver	-	Vacant	-	-	-	-	-	-
15	Supporting staff	Mr. Ashwith	-	M	-	SSLC	-	5100/- consolidated	22-10-2011	Work contract basis	OBC
16	Supporting staff	-	-	-	Vacant	-	-	-	-	-	-

1.6. Total land with KVK (in ha) : 25.99ha.

S. No.	Item	Area (ha)
1	Under Buildings	2.0
2.	Under Demonstration Units	0.11
3.	Under Crops	6.89
4.	Orchard/Agro-forestry	-
5.	Others	16.99
	Total	**25.99**

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.in lakhs)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	24-11-2007	550	42.25	-	-	-
2.	Farmers Hostel	ICAR	24-11-2007	300	35.72	-	-	-
3.	Staff Quarters (06)	ICAR	24-11-2007	400	32.35	-	-	-
	1							
	2							
	3							
	4							
	5							
	6							
4.	Demonstration Units							
	1. Fisheries	ICAR	20-02-2007	80	1.75	-	-	-
	2. Horticulture	ICAR	12-05-2008	260	2.0	-	-	-
	3 -							
	4 -							
5	Fencing	-	-	-	-	-	-	-
6	Rain Water harvesting system	-	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-

B) Vehicles AS ON 31-03-2012

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero DI Jeep	2004	5,00,000	1,99,124 kms.	Good condition
M.F. Tractor 1035	2005	5,00,000	287 hrs.	Good condition
Hero Honda (Bike)	2006	40,000	24293 kms.	Good condition
Aviator	2009	50,000	13418 kms.	Good condition

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Sprayers	2005	2,640.00	Good
Power sprayer	2008	4,800.00	Good
Drum Seeder & Cona weeder	2005	2,600.00	Good
Paddy Planting Marker	2005	1,350.00	Good
Xerox Machine	2006	75,000.00	Good
Computer & Accessories	2006-07	98,890.00	Good
Weed cutter	2008	13,000.00	Good
Generator	2011	99,955.00	Good
EPBX	2011	49,455.00	Good
Power tiller	2011	1,50,000.00	Good
AV aids			
Digital Camera	2006	20,000.00	Good
Magnetic White Board	2008	3,800.00	Good
Desktop HP-Pavilion 6710in INTEL DUAL CORE	2011	30,900.00	Good
LAPTOP HP PAVILION DV6-3120TX	2011	37500.00	Good
UPS Frontech 800 Va.	2011	3000.00	Good

1.8. Details SAC meeting conducted in 2011-12:

Sl.No.	Date	Number of Participants	No. of absentees	Salient Recommendations	Action taken
1.	19-7-2011	39	0	Organize training programmes on Agro processing and marketing in collaboration with APMC and marketing boards.	One training programme was conducted on paddy processing in collaboration with State Marketing Board and APMC Belthangady and more number of programmes are planned in this year
2				Popularize the banana special and vegetable special developed by developed by IIHR Bangalore. in this district	These are included in the Technology Interventions of Action plan 2012-13
3				Conduct more number of trainings on Integrated Farming Systems for farmers and also create awareness among school children on agriculture.	Already Five programmes involving school children has been conducted during 2011-12
4				Involve concerned Development Department officers while organizing FLD & OFT programmes for effective popularization	The development dept officials are regularly informed about FLDs and OFTs conducted during meetings and bi monthly workshops.
5				Conduct training cum demonstration on preparation of value added products from Ragi including Ragi malt.	Already Two training programmes for SHG group is conducted during 2011-12
6				Educate and demonstrate about the IFSDA models suited for Dakshina Kannada	IFS is proposed and included in the Action Plan 2012-13
7				Conduct demonstration on mechanized paddy cultivation on a larger scale and create awareness in the farmers about mechanized farming.	FLD is conducted on 5 ha in 2011-12 and it is proposed for 8 ha in 2012-13 duly supplemented with trainings and method demonstrations.
8				Organize training programmes on advances in dairy technologies.	It is proposed to conduct training programmes in collaboration with KMF and Animal Husbandry Dept in the training calendar of KVK for the year 2012-13
9				Organize training programmes on preparation of value added products from prawn for the benefit of SHGs and motivate them to take up as a self employment	it is proposed to conduct training programmes by availing the services of specialist from College of Fisheries Mangalore
10				Organize more number of training programmes related to animal husbandry and veterinary aspects in collaboration with the department.	It is proposed to conduct training programmes in collaboration with Animal Husbandry Dept for the year 2012-13
11				Initiate educational programme on control of yellow leaf disease in Arecanut.	It is proposed to conduct training programme in collaboration with CPCRI Vittal and Kasargod for the year 2012-13
12				Suggested to organize training programme on roof garden and kitchen gardening for the benefit of the urban population & urban waste recycling technologies.	Such training programmes are already included in the KVK training Calendar 2012-13 for the benefit of urban dwellers

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.	Cereals	:	Paddy
	Pulses	:	Black gram, Green gram, Cowpea and Horse gram
	Oil Seeds	:	Sesamum
	Vegetables	:	Brinjal, Bhendi, Vegetable cowpea, Ash gourd, Basella, Amorpophallus Sweet potato and cucumber
	Fruits	:	Banana, Pineapple, Jackfruit and Mango
	Plantation Crops	:	Arecanut, Coconut, Cashew, Pepper, Rubber, Vanilla and Cocoa
	Flower Crops	:	Jasmine
	Animal Husbandry	:	Dairy, Piggery, Poultry and Fisheries

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, Zone 10	Krishi Vigyan Kendra, Dakshina Kannada, Kankanady, Mangalore is situated in the Coastal Zone No-10 with an operational area of five Taluks viz., Mangalore, Bantwal, Belthangady, Puttur and Sullya. The total Geographical area of the district is 4770 sq. km. The district has 130833 ha of net cultivable area mainly dependent on rainfall.

S. No	Agro ecological situation	Characteristics
1	Coastal Zone, Zone 10	The annual average rainfall is 3655.1 mm. This district receives rainfall between May and October with heavy rainfall during the month of June, July, and August. Recorded maximum temperature of 33.6^{o}C during the months of April and minimum temperature of 21.8 ^{o}C during the month of February. The soil in the major portions of the district consists of three types, viz. coastal sandy alluvial, laterite and red loamy soil. Apart from this, coastal saline soil is also noticed in some parts of the district owing to the proximity to sea or backwater. Soils are low in CEC and acidic in condition. The PH of the soil ranges from 4.5 to 5.9 with low soluble salt content. The major nutrient status of the soil is varying from medium to low. The major crops grown in the districts are Paddy, Arecanut, Coconut, Cashew, Rubber, Pepper, Cocoa and Banana. In some parts of the district, pulses like Black gram, Green gram, oilseeds like Sesamum and vegetables like cucumber, Bhendi, Chilli, Brinjal Bitter gourd, Ash gourd, Little gourd and Spinach are grown during Rabi/ Summer season.

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1.	Coastal sands, Alluvial, Laterite and Red loamy soil	Soils are low in CEC and acidic in condition. The PH of the soil ranges from 4.5 to 5.9 with low soluble salt content. The major nutrient status of the soils is varying from medium to low.	130833

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

S. No	Crop	Area (ha)	Production (Metric tons)	Productivity (kg /ha)
1.	Paddy	54633	125656.00	2200
2.	Black gram	2032	926.59	456
3.	Green gram	764	326.90	428
4.	Horsegram	58	22.96	396
5.	Cowpea	559	551.17	986
6.	Sesamum	622	184.73	297
7.	Arecanut	27734	33280.8	1200
8.	Coconut	16077	177972 (Nuts)	11070 Nuts/ha.
9.	Pepper	2146	4120.3	1920
10.	Cashew	30967	24773.6	800
11.	Cocoa	952	371.3	390
12.	Pine apple	355	20590	58000
13.	Jack Fruit	996	258960	260000
14.	Banana	3173	61461	19370
15.	Ginger	313.95	359.34	1145
16.	Rubber	10392	-	-
17.	Vegetables	529	9522	8000
18.	Jasmine	67	155.3	2318

* Source: Statistical Department, Dakshina Kannada (Year: 2009-10), Dept. of Agriculture & Horticulture-2011-12

2.5. Weather data (Year: April 2011-March 2012)

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
April-11	126.7	33.6	24.2	50.7
May-11	100.5	33.3	23.8	72.9
June-11	736.9	30.0	23.6	79.2
July-11	936.9	30.2	23.4	80.6
August-11	912.0	30.3	23.6	81.3
September-11	514.6	30.3	23.5	79.2
October-11	251.3	31.1	24.5	52.4
November-11	76.2	31.0	23.0	67.1
December-11	0.0	31.5	23.7	43.9
January-12	0.0	31.9	23.2	65.8
February-12	0.0	33.3	21.8	67.5
March-12	0.0	32.9	21.9	66.7
	3655.1	-	-	-

Source: HRS, Ullal, Mangalore

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

Category	Population	Production	Productivity
Cattle			
Crossbred	167416	-	-
Indigenous	230185	-	-
Buffalo	15127	-	-
Sheep			
Crossbred	--		
Indigenous	316	-	-
Goats	25694	-	-
Pigs exotic	159		
Crossbred	2336	-	-
Indigenous	2447	-	-
Rabbits	938	-	-
Poultry			
Hens	774882	-	-
Desi	-	-	-
Improved	-	-	-
Ducks	-	-	-
Turkey and others	-	-	-

Category	Area	Production	Productivity
Fish	-	**91417.00**	-
Marine	-		-
Inland	-		-
Prawn	-		-
Scampi	-		-
Shrimp	-		-

* Source: Statistical Department, Dakshina Kannada 2009-10

2.7 District profile has been prepared and submitted : YES

2.8 Details of Operational area / Villages

Sl.No.	Taluk	Name of the block	Name of the village	How long the village is covered under operational area of the KVK (specify the years)	Major crops & enterprises	Major problem identified	Identified Thrust Areas
1.	Mangalore	-	Kuppepadavu Belvai	2010-11 2011-12	Paddy, Arecanut, Coconut, Pepper, Cashew, Banana, Vegetables, Jasmine	Non adoption of HYVs Imbalanced nutrient application Soil acidity Pest and Diseases	• Introduction of high yielding varieties • Integrated Nutrient Management Approaches • Acid Soil Management • Integrated Pest & disease Management
2.	Bantwal	-	Meramajalu Bantwal Kasba	2011-12	Paddy, Arecanut, Coconut, Pepper, Banana, Vegetables, Jasmine Vanilla	Imbalanced nutrient application Soil acidity Lack of knowledge on management of pest and diseases	• Integrated Nutrient Management Approaches • Soil reclamation • Integrated pest management approaches

3.	Puttur	-	Panaje	2007-2010 (3 year)	Arecanut, Coconut, Pepper, Banana, Vegetables, Jasmine, Cashew, Cocoa, Rubber,	• Soil acidity • Imbalanced Nutrient application • Non adoption of HYVs • Untimely application of pesticides	• Soil reclamation • Introduction of high yielding varieties • Integrated Nutrient Management Approaches • Plant protection
4.	Belthangady	-	Nada Kajoor Hosangady	2010-11 2011-12	Paddy, Arecanut, Coconut, Pepper, Banana, Vegetables, Jasmine, Cashew, Cocoa, Rubber,	• Imbalanced nutrient application • Soil acidity • Lack of knowledge on management of pest and diseases	• Introduction of high yielding varieties • Integrated Nutrient Management Approaches • Acid Soil Management • Plant protection
5.	Sullia	-	Ajjavara	2007-2010 (3 year)	Arecanut, Coconut, Pepper, Pineapple Vegetables, Jasmine, Cashew, Cocoa, Rubber	• Imbalanced nutrient application • Soil acidity • Improper Pest and Disease Management	• Integrated Nutrient Management Approaches • Soil reclamation • Integrated pest management approaches • Employment generation activities

2.9 **Priority thrust areas**

S. No	Thrust area
1.	Mechanization in Agriculture
2.	Integrated crop management practices
3.	Integrated pest and disease management approaches

4.	Acid Soil reclamation
5.	Introduction of High Yielding Varieties
6.	Rice based cropping system
7.	Value addition to Agriculture and Horticulture produces
8.	Storage of seeds
9.	Post harvest technology
10.	Fish culture in farm ponds / Clay pits/ weed infested tanks
11.	Introduction of improved poultry birds for backyard rearing/piggery/rabbit
12.	Livestock management and introduction of fodder crops

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
6	4	50	34	17	17	161	161

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
100	87	2300	3275	142	1127	2000	5658

Seed Production (Qtl.)		Planting materials (Nos.)	
5		6	
Target	Achievement	Target	Achievement
-	MO4 Paddy Seed : 332 Kg.	papaya seedlings = 500	--
-	MO4 Paddy Bulk : 2896 Kg.	Coconut = 1000	--
Paddy -50 Q	60 Q (2011-12)		

Livestock, poultry strains and fingerlings (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
Giriraja birds = 500	Swarnadhara 280 No.	Trichoderma= 500 Kg	71 Kg.
Carp Fingerlings = 5000	-	-	Earth worms 3 Kg.
	Goat Kid - 06 No.	-	Vermi compost 13 Kg.
	Goat - 06 No.		
	Rabbit - 8 No.		
Ornamental fishes =500	220 -No.		
	Pig=11 Nos		

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	
													No.	Kg.
1	• ICM in pulses & Oil seeds	• Sesamum • Blackgram	•Lack of knowledge on utilization of residual moisture •Utilisation of paddy fallows with legume coppings for soil fertility	-	• Production technology of Sesamum	01	-	-	Field days=1	-	-	-	-	-
		•			• Production technology of Blackgram	01	-	-	--	1.0 q	-	-	-	5.0
2	• ICM in paddy • Water Management • Seed Material • Mechanization of paddy	Paddy	•Improper nutrient management •Lack of knowledge on storage methods •Scarcity of labour	-	• ICM in paddy • SRI method of paddy cultivation • Storage of Paddy for seed purpose using METAL BINS • Mechanisation in paddy	09	-	-	Field Days-01	-	-	-	-	5.0
3.	• Scientific Pest and Disease management	Arecanut		• Management of slugs and Inflorescence caterpillar in Arecanut	• management of Inflorescence die back in Arecanut • Root grub management in Arecanut	03	-	-	-	-	-	-	-	-
4.	Scientific crop management for high yields	Banana	lack of proper management practices	-	• Integrated crop management in Banana	01	-	-	-	-	-	-	-	-

5.	• Disease management • Post harvest loss	Pepper	Lack of knowledge on disease management Lack of knowledge on post harvest processing of pepper		• Management of quick wilt in pepper • Processing of pepper using solarization technique	-	-	-	-	-	-	-	10	-
8.	• Nutrient Management • Pest & Disease Management	Jasmine	• Poor nutrient management & Pest & Disease Management	-	• Integrated crop management in Jasmine	01	-	-	-	-	-	-	-	-
9.	• Nutrient Management	Ridge gourd	• Poor nutrient management practices	• Nutrient Management in ridge gourd	-	-	-	-	-	-	-	-	-	-
10.	• Nutrient Management	Bitter gourd	• Poor nutrient management practices	• Nutrient Management in bitter gourd	-	-	-	-	-	-	-	-	-	-
11	• Pest & Disease Management	Bhendi	• Lack of knowledge on disease management	• Management of yellow vein mosaic in bhendi	-	-	-	-	-	-	-	-	-	-
12	Scientific Management	watermelon	lack of knowledge on improved crop management practices		Integrated crop management practices									
13.	• Poly culture of fish and fresh water prawn	Fisheries	Lack of knowledge on polyculture of fish and prawn Integrated farming systems	• Polyculture of fish with different stocking densities	• Polyculture of fish and prawn in farm ponds/irrigation tanks Integration of Fish with Pig farming	-	-	-	-	-	-	Catl-1200 Rohu-800 Prawn-4000 Catl-1200 Rohu-900 C.Carp-900 Pigs-9	-	-

14.	Rearng of improved poultry birds	Poultry	Popularization of variety	Assessment of Turkey Birds for backyard rearing	• Rearing of Swarnadhara Poultry Birds	-	-	-		-	-	Birds-550	-	-
15	Non inclusion of green fodder in dairy feed	Dairy	Popularization of variety	-	Popularization of Co-4 fodder	-	-	-	-	-	500 cuutings/farmer	-	-	-

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	Nutrient management in Ridge gourd	UAS Bangalore	Ridge gourd	10	-	02	-
2	Nutrient management in Bitter gourd	UAS Bangalore	Bitter gourd	10	-	02	-
3	Management of yellow vein mosaic in Bhendi	UAS, Dharwad	Bhendi	10	-	02	-
4	Management of Slugs and inflorescence caterpillar in Arecanut	CPCRI, Kasaragod	Arecanut	-	-	-	-
5	Polyculture of fish with different stocking densities	American soybean Association	Fisheries	04		-	-
6.	Assessment of Turkey birds for backyard rearing	KVAFSU, Bidar	Poultry	-	-	-	-
7	Production technology of Blackgram	UAS Bangalore	Blackgram	-	12	01	
8	Production technology of Sesamum	UAS Bangalore	Sesamum	-	12	01	Field day=1
9	ICM in paddy as per New Package	UAS Bangalore	Paddy	-	12	01	-
10	Mechanization in paddy	UAS Bangalore	Paddy	-	11	05	Field day=1
11	SRI method of paddy cultivation	UAS Bangalore	Paddy	-	10	01	
12	Storage of paddy using metal bins	UAS Bangalore	Paddy	-	10	01	
13	Integrated crop management in banana	UAS Bangalore	Banana	-	10	02	
14	Integrated crop management in Water melon	UAS Bangalore	Watermelon	-	10	02	Field day=1
15	Root grub management in Arecanut	UAS Bangalore	Arecanut		05	01	-
16	Management of inflorescence die back in Arecanut	CPCRI, Kasaragod	Arecanut	-	14	01	-
17	Drying of pepper using solarisation technique	UAS Bangalore	Pepper		10	01	
18	Management of quickwilt in pepper	UAS, Bangalore	Pepper	-	10	01	-
19	Integrated crop management in Jasmine	UAS, Bangalore	Jasmine		10	01	
20	Polyculture of fish and prawn	UAS Bangalore	Fisheries	-	-	-	-
21	Integration of Fish with Pig farming	KVAFSU, Bidar	Fisheries	-	-	--	-
22	Cultivation of CO-4 fodder	UAS Bangalore	Dairy	-	-	-	-

23	Rearing of Swarna dhara poultry birds using locally available ingredient	KVAFSU, Bidar	Poultry	-	-	-	-

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
09	***10***	***11***	***12***	***13***	***14***	***15***	***16***	***17***	***18***	***19***	***20***	***21***	***22***	***23***	***24***
8	-	2	-					43	9	18	5		-	-	-
8	-	2	-					42	9	17	3		-	-	-
10	0	0	0	-	-	-	-	18	1	7	0	-	-	-	-
-	OFT not conducted--														
8	0	0	0	-	-	-	-	26	0	1	1	-	-	-	-
-	OFT not conducted--														-
-	-	-	-	8	1	2	1	8	1	2	1	-	-	-	-
-	-	-	-	9	0	3	0	9	0	3	0	-	-	-	-
-				7	1	2	2	16	4	2	2	-	-	-	-
-	-	-	-	7	3	1	0	148	39	48	18	-	-	-	-
-	-	-	-	7	1	2	0	36	8	15	07	-	-	-	-
-	-	-	-	5	4	0	1	5	4	0	1	-	-	-	-
-	-	-	-	7	-	3	-	24	-	6		-	-	-	-
-	-	-	-	8		2		18	-	10	-	24	-	6	-
-	-	-	-	5	0	0	0	-	-	-	-	-	-	-	-
-	-	-	-	12	2	0	0	11	8	4	1	-	-	-	-
-				-	10	0	0	-	10	0	0	-	-	-	-
-	-	-	-	8	0	2	0	-	-	-	-	-	-	-	-
-				9	0	1	0	14	8	4	2	-	-	-	-
-				3	01	0	0	06	71	0	0	-	-	-	-
-	-	-	-	03	0	0	0	-	-	-	-	-	-	-	-
-	-	-	-	9	0	01	0	-	-	-	-	-	-	-	-
-	-	-	-	20	01	0	0	14	18	5	2				-

PART IV - On Farm Trial

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management	-	-	-	-	02	-	-		-	02
Varietal Evaluation	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	01	-	-	01*	-	02*
Small Scale Income Generation Enterprises	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-	-	-	-	-	-
Farm Machineries	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-	-	-	-	-	-
Storage Technique	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Total	**-**	**-**	**-**	**-**	**03**	**-**	**-**	**01***	**-**	**04***
Note	***out of 04 proposed one OFT was not conducted due to transfer of concerned SMS & lapse of season when new incumbent took charge**									

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Varietal Evaluation	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-	-	-	-	-	-
Farm Machineries	-	-	-	-	-	-	-	-	-	-
Integrated Farming System	-	-	-	-	-	-	-	-	-	-
Seed / Plant production	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-	-	-	-	-	-
Storage Technique	-	-	-	-	-	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-

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

Thematic areas	Cattle	Poultry	Piggery	Rabbitry	Fisheries	TOTAL
Evaluation of Breeds	-	-	-	-	-	-
Nutrition Management	-	-	-	-	-	-
Disease of Management	-	-	-	-	-	-
Value Addition						
Production and Management	-	01*	-	-	01	02
Feed and Fodder	-	-	-	-	-	-
Small Scale income generating enterprises	-	-	-	-	-	-
TOTAL	-	01*	-	-	01	02
Note	*out of 02 proposed one OFT was not conducted due to mass mortality of turkey chicks during rearing due to aflotoxins in feed as per post mortem report of IAH & VB, Bangalore					

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

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

4.B. Achievements on technologies Assessed and Refined

4.B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha
Integrated Nutrient Management	-	-	-	-	-
	Ridge gourd	Nutrient management in Ridge gourd	10	10	0.5 ha.
	Bitter gourd	Nutrient management in Bitter gourd	10	10	0.5 ha.
Varietal Evaluation	-	-	-	-	-
	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-
	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-
	-	-	-	-	-
Integrated Disease Management	Arecanut	Management of slugs and inflorescence caterpillar in Arecanut	10	OFT not conducted *	
	Bhendi	Management of yellow vein mosaic in bhendi	10	10	2.0 ha
Small Scale Income Generation Enterprises	-	-	-	-	-
	-	-	-	-	-
Weed Management	-	-	-	-	-
	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-
	-	-	-	-	-
Farm Machineries	-	-	-	-	-
	-	-	-	-	-
Integrated Farming System	-	-	-	-	-
	-	-	-	-	-
Seed / Plant production	-	-	-	-	-
	-	-	-	-	-
Value addition	-	-	-	-	-
	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-
	-	-	-	-	-
Storage Technique	-	-	-	-	-
	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-
	-	-	-	-	-
Total			**40**	**30**	**3.0**
	***out of 04 proposed one OFT was not conducted due to transfer of concerned SMS & lapse of season when new incumbent took charge**				

4.B.2. Technologies Refined under various Crops :

Thematic areas	Crop	Name of the technology assessed	No. of trials	Number of farmers	Area in ha
Integrated Nutrient Management	-	-	-	-	-
	-	-	-	-	-
Varietal Evaluation	-	-	-	-	-
	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-
	-	-	-	-	-
Integrated Crop Management	-	-	-	-	-
	-	-	-	-	-
Integrated Disease Management	-	-	-	-	-
	-	-	-	-	-
Small Scale Income Generation Enterprises	-	-	-	-	-
	-	-	-	-	-
Weed Management	-	-	-	-	-
	-	-	-	-	-
Resource Conservation Technology	-	-	-	-	-
	-	-	-	-	-
Farm Machineries	-	-	-	-	-
	-	-	-	-	-
Integrated Farming System	-	-	-	-	-
	-	-	-	-	-
Seed / Plant production	-	-	-	-	-
	-	-	-	-	-
Value addition	-	-	-	-	-
	-	-	-	-	-
Drudgery Reduction	-	-	-	-	-
	-	-	-	-	-
Storage Technique	-	-	-	-	-
	-	-	-	-	-
Mushroom cultivation	-	-	-	-	-
	-	-	-	-	-
Total	-	-	-	-	-

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

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds	-	-	-	-
Nutrition management	-	-	-	-
Disease management	-	-	-	-
Value addition	-	-	-	-
Production and management	Fisheries	Polyculture of fish with different stocking densities	06	06
	Poultry	Assessment of Turkey Birds for Backyard Rearing	0	0*
Feed and fodder	-	-	-	-
Small scale income generating enterprises	-	-	-	-
Total			**06**	**06**

Note: *out of 02 proposed one OFT was not conducted due to mass mortality of turkey chicks during rearing due to aflotoxins in feed as per post mortem report of IAH & VB, Bangalore

4.B.4. Technologies Refined under Livestock and other enterprises : Nil

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials	No. of farmers
Evaluation of breeds	-	-	-	-
Nutrition management	-	-	-	-
Disease management	-	-	-	-
Value addition	-	-	-	-
Production and management	-	-	-	-
	-	-	-	-
Feed and fodder	-	-	-	-
Small scale income generating enterprises	-	-	-	-
Total				

4. C1. Results of Technologies Assessed

Results of On Farm Trial

1. Nutrient Management in Bitter gourd

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
Bitter gourd	Rain fed / Protective irrigation	Poor Nutrient management	Nutrient Management in Bitter gourd	10	T_1= FYM 1.5-2 t/ha, DAP 25 kg/ha as basal dose, urea 50 kg/ha as top dressing and applying burnt soil before planting	• Weight of fruits (Kg/plant)	T_1=0.20 T_2=0.36 T_3=0.38	48.43% increase in yield over farmers practice	Application of potassium resulted in higher yield and fruit size and better keeping quality	-	-
					T_2= FYM 18 t/ha., NPK 63:50:0 kg/ha.	• No. of fruits/plant	T_1=12.3 T_2=13.7 T_3=15.5				
					T_3= FYM 20 t/ha, NPK 70:25:25 kg/ha. in two splits	• Yield (t./ha.)	T_1=5.76 T_2=7.64 T_3=8.55				

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)	Farmer's practice	5.76	t/ha	44650	2.08
Technology option 2	UAS, Bangalore	7.64	t/ha	69000	2.68
Technology option 3	RARS Pilikode Kasargod KAU	8.55	t/ha	81000	2.97

2. Nutrient Management in Ridge gourd

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
Ridge gourd	Rain fed / Protective irrigation	Poor Nutrient management	Nutrient Management in Ridge gourd	10	T_1= Application of DAP 100 kg/ha at the time of sowing and 50 kg urea after 35 days	Weight of fruits (Kg/plant)	T_1=0.57 T_2=0.70 T_3=0.71	52.14% increase in yield over farmers practice	Application of potassium resulted in higher yield and fruit size	-	-
					T_2= NPK 50:50:0 kg/ha in 2 splits + FYM 25 t/ha	No. of fruits/plant	T_1=13.9 T_2=16.5 T_3=18.8				
					T_3= NPK: 75:25:25 kg/ha in 2 splits+FYM 25 t/ha.	Yield (t./ha.)	T_1=6.54 T_2=8.46 T_3=9.95				

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)	Farmer's practice	6.54	t/ha	30000	1.75
Technology option 2	UAS, Bangalore	8.46	t/ha	45650	2.14
Technology option 3	RARS Pilikode Kasargod KAU	9.95	t/ha	65000	2.62

3. Management of Slugs and inflorescence caterpillar in Arecanut

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
Arecanut	Rain fed / Protective irrigation	inflorescence caterpillar is emerging aspotential pest in coastal region and causing nearly 30-40% damage to the crop	Management of Slugs and Inflorescence caterpillar in Arecanut	10	T_1= Spraying of Boardeuax mixture T2= Malathion 50 EC (2.5 ml/ lt. of water)Control slugs, which predispose inflorescence to the attack of caterpillar, by using poison bait(10 kg rice bran+2 kg jaggery+100 gm methomyl) T3=Spraying of Quinolphos 2 ml/lt. of water (Slugs management) (10 kg rice bran+2 kg jaggery+100 gm methomyl	No. of inflorescence infected/ pl % disease incidence Yield (qtl/ha)	OFT not conducted due to transfer of concerned SMS & lapse of season when new incumbent took charge of the post				

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)	-	-	-	-	-
Technology option 2	KAU, Kerala	-	-	-	-
Technology option 3	UAS, Bangalore	-	-	-	-

4. Management of Yellow Vein Mosaic in Bhendi

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
Bhendi	Rain fed / Protective irrigation	Yellow vein mosaic disease causes 20-30% yield loss	Management of yellow vein mosaic in bhendi		T_1= No management has been followed	% disease incidence Yield(qtl/ha)	T_3=17.80 T_3=42.20	27.49% increase in yield over farmers practice	Resulted in increased in yield	-	-
					T_2= Spraying of imidacloprid 17.80SL @ 0.5 ml per lit						
					T_3= Sanitation and seed treatment with imidacloprid 5 ml per kg, Spraying of imidacloprid 17.80SL @ 0.5 ml per lit						

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)	-	3.31	t/ha	91850	4.82
Technology option 2	UAS, Bangalore	3.83	t/ha	107050	4.96
Technology option 3	UAS, Dharwad	4.22	t/ha	120400	5.41

5. Polyculture of fish with different stocking densities (80:20 Pond Fish farming)

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
Fisheries	Rainfed/ Protective irrigation	Production of fish without taking in to account of consumer preference and fish growth	Polyculture of fish with different stocking densities (80:20 Pond Fish farming)	3	T_1= Stocking of one/ two species of fish Fertilization and feeding less than recommended	Yield and B.C. Ratio	Under Progress			-	-
					T_2= Stocking recommended species (catla:Rohu:Common carp 4:3:3) Stocking 5000/ha.						
					T_3=Stocking of catla, Rohu and Silvar carp @ 4:4:2 stocking-7500/ha						

Contd..

Technology Assessed	Source of Technology	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17	18
Technology option 1 (Farmer's practice)	Farmer practice	Under progress	t/ha	-	-
Technology option 2	POP (UASB)		t/ha	-	-
Technology option 3	American soybean Association		t/ha	-	-

6. Assessment of Turkey Birds for backyard rearing

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
Poultry	subsidiary farm enterprise	low income from rearing native fowl	Assement of Turkey birds for backyard rearing	3	T1=Rearing of native foul	Yield and B.C. Ratio	OFT was not conducted due to mass mortality of turkey chicks during rearing due to aflotoxins in feed as per the post mortem report of IAH & VB, Bangalore				
					T2=Rearing of Giriraja/Swarnadhara poultry birds						
					T3=Rearing of Turkey Birds						

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)	Farmer practice	Not conducted	-	-	-
Technology option 2	POP (UASB)		-	-	-
Technology option 3	KVAFSU, Bidar		-	-	-

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

1. Nutrient management in Ridge gourd

1.	Title of Technology Assessed	**Nutrient management in Ridge gourd**
2.	Problem Definition	Low yield, Improper / Imbalanced nutrient management & lack of knowledge on management of potash in Ridge gourd
3.	Details of technologies selected for assessment	T_1= Application of DAP 100 kg/ha at the time of sowing and 50 kg urea after 35 days T_2= NPK 50:50:0 kg/ha in 2 splits + FYM 25 t/ha T_3= NPK: 75:25:25 kg/ha in 2 splits+FYM 25 t/ha.
4.	Source of technology	$T_{1=}$ Farmer's practice, T_2=UAS, Bangalore, T_3= KAU
5.	Production system and thematic area	Irrigated (Paddy fallows)
6.	Performance of the Technology with performance indicator	52.14% increase in yield over farmers practice
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	Application of potassium resulted in higher yield and fruit size
8.	Final recommendation for micro level situation	Application of potassium in ridge gourd
9.	Constraints identified and feedback for research	-
10.	Process of farmers participation and their reaction	Farmers appreciated the technology and desired to adopt the same

2. Nutrient management in Bittergourd

1.	Title of Technology Assessed	**Nutrient management in Bittergourd**
2.	Problem Definition	Improper and imbalanced nutrient management
3.	Details of technologies selected for assessment	T_1= FYM 1.5-2 t/ha, DAP 25 kg/ha as basal dose, urea 50 kg/ha as top dressing T_2= FYM 18 t/ha.,NPK 63:50:0 kg/ha. T_3= FYM 20 t/ha, NPK 70:25:25 kg/ha. in two splits
4.	Source of technology	$T_{1=}$ Farmer's practice, T_2=UAS, Bangalore, T_3= KAU
5.	Production system and thematic area	Management of potash
6.	Performance of the Technology with performance indicator	48.43% increase in yield over farmers practice
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	Application of potassium resulted in higher yield and fruit size
8.	Final recommendation for micro level situation	Application of potassium @ 25 kg./ha. in two splits along with N & P
9.	Constraints identified and feedback for research	-
10.	Process of farmers participation and their reaction	Farmers appreciated the technology and desired to adopt the same

03 Management of yellow vein mosaic in Bhendi

1.	Title of Technology Assessed	**Management of yellow vein mosaic in bhendi**
2.	Problem Definition	Yellow vein mosaic disease causes 20-30% yield loss
3.	Details of technologies selected for assessment	T_1= No management has been followed T_2= Spraying of imidacloprid 17.80SL @ 0.5 ml per lit T_3= Sanitation, seed treatment with imidacloprid 5 ml per kg,Spraying of Imidacloprid 17.80SL @ 0.5 ml per lit

4.	Source of technology	T_1=Farmers practice, T_2=UAS, Bangalore, T_3=UAS, Dharwad
5.	Production system and thematic area	Rainfed, Disease Management
6.	Performance of the Technology with performance indicator	Recorded 27.49 increase in yield over farmers practice
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	Recorded a yield of 42.20 q/ha.
8.	Final recommendation for micro level situation	Sanitation, seed treatment with Imidacloprid 5 ml per kg, Spraying of Imidacloprid 17.8SL @ 0.5 ml per lit
9.	Constraints identified and feedback for research	-
10.	Process of farmers participation and their reaction	Farmers appreciated the technology and desired to adopt the same

4.Management of Slugs and Inflorescence Caterpillar for Arecanut

1.	Title of Technology Assessed	Management of Slugs and Inflorescence caterpillar in Arecanut
2.	Problem Definition	Inflorescence caterpillar is emerging aspotential pest in coastal region and causing nearly 30-40% damage to the crop
3.	Details of technologies selected for assessment	T_1= Spraying of Boardeuax mixture T2= Malathion 50 EC (2.5 ml/ lt. of water)Control slugs, which predispose inflorescence to the attack of caterpillar, by using poison bait(10 kg rice bran+2 kg jaggery+100 gm methomyl) T3=Spraying of Quinolphos 2 ml/lt. of water (Slugs management) (10 kg rice bran+2 kg jaggery+100 gm methomyl
4.	Source of technology	T1- Farmer's practice T2-KAU, Kerala T3-UAS, Bangalore
5.	Production system and thematic area	Management of slugs and inflorescence caterpillar
6.	Performance of the Technology with performance indicator	OFT not conducted due to transfer of concerned SMS & lapse of season when new incumbent took charge of the post

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	

05. Polyculture of fish with different stocking densities (80:20 pond Fish Farming)

1.	Title of Technology Assessed	Polyculture of fish with different stocking densities
2.	Problem Definition	Production of fish without taking in to account of consumer preference and fish growth
3.	Details of technologies selected for assessment	T_1= Stocking of one/two species of fish T_2= Stocking of recommended species (Catla:Rouh:Common carp 4:3:3) Stocking 5000/ha. T_3: Stocking of catla, Rohu and Silver carp @ 4:4:2 stocking-7500/ha.
4.	Source of technology	T_1= Farmers practice, T_2=POP(UASB), T_3=American soybean Association
5.	Production system and thematic area	Rainfed/Protective irrigation: Selection of fish species for stocking and their stocking ratio
6.	Performance of the Technology with performance indicator	**Under progress**
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	-

06. Assessment of Turkey Birds for Backyard Rearing

1.	Title of Technology Assessed	Assessment of Turkey Birds for Backyard Rearing
2.	Problem Definition	Low income and productivity from rearing of native fowls.
3.	Details of technologies selected for assessment	T_1=Rearing of native foul
		T_2=Rearing of Giriraja/Swarnadhara poultry birds
		T_3=Rearing of Turkey Birds
4.	Source of technology	T_1= Farmer practice
		T_2= POP (UASB)
		T_3= KVAFSU, Bidar
5.	Production system and thematic area	Rainfed/Integrated farming system for generating additional income
6.	Performance of the Technology with performance indicator	OFT was not conducted due to mass mortality of turkey chicks during rearing due to aflotoxins in feed as per the post mortem report of IAH & VB, Bangalore
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

Justification for refinement	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
12	13		14	15	16	17

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

1.	Title of Technology refined	**-**
2.	Problem Definition	**-**
3.	Details of technologies selected for refinement	-
4.	Source of technology	-
5.	Production system and thematic area	-

6.	Performance of the Technology with performance indicator	-
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	-

PART V - FRONTLINE DEMONSTRATIONS

5.A. Summary of FLDs implemented during 2011-12

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
									Proposed	Actual	SC/ST	Others	Total	
1	Oilseeds	Rainfed / irrigated	Summer 2011-12	Sesamum	local	-	Production technology	Integrated crop management	5.0	5.0	03	09	12	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Pulses	Rainfed/ irrigated	Summer 2011-12	Blackgram	TAU-1	-	Production technology	Integrated crop management	5.0	5.0	02	10	12	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Cereals Paddy	Rainfed	Rabi 2011-12	Paddy	Jaya		Mechanisation	Mechanisation in paddy	5 ha	5 ha	01	10	11	-
4		Rainfed	Kharief 2011	Paddy	MO-4	-	Crop management	ICM in paddy New package	5 ha.	5 ha.	04	08	12	-
5		Rainfed	Rabi-2011	Paddy	MO-4	-	Effective residual moisture utilization	SRI method of paddy cultivation	4 ha.	4 ha.	02	08	10	-
6		Rainfed / irrigated	Summer 2012	Paddy	MO-4	-	Storage Technique	Storage of Paddy for seed purpose using METAL BINS	10 farmers	10 farmers	-	10	10	-
	Millets	-	-		-		-	-		-	-		-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

7	Vegetables	Rainfed / irrigated	Summer 2012	WaterMelon	Sugar baby		Crop management	integrated crop management in watermelon	2 ha.	2 ha.	02	08	10	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

8	Flowers	Protective irrigation	Rabi 2011-12	Jasmine	Udupi jasmine	-	crop management	Integrated crop management in Jasmine	0.5 ha.	0.5 ha.	01	09	10	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ornamental	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	Fruit	Protective irrigation	Kharief 2011-12	Banana	Nendra		Crop management	ICM in banana	2ha	2ha	03	07	10	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	Spices and condiments	Rainfed with Protective irrigation	Summer 2011-12	Pepper	Panniyur	-	Post harvest processing	Processing of pepper using solarization technique	-	-	-	10	10	-
11		Rainfed with Protective irrigation	Kharief 2011-12	Pepper	Panniyur	-	Disease management	Quick wilt management in pepper	200 vines	200 vines	0	10	10	
	Commercial	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Medicinal and aromatic	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	Fodder	Rainfed/protective irrigation	Rabi-2011-12	NB fodder	Co-4		Diary	Popularization of Co-4 Fodder	0.4 ha	0.4 ha	1	9	10	-
13	Plantation	Rainfed with Protective irrigation	Kharief 2011-12	Arecanut	Mangala/ Local	-	Pest management	Root grub management in Arecanut	2.0 ha	2.0 ha	-	05	05	
14		Rainfed/protective irrigation	Kharif/Rabi-2011-12	Arecanut	Sumangala/ Mangala	-	Disease management	Managemnt of Inflorescence Die Back Arecanut	2.5 ha	2.5 ha	2	12	14	
														-

	Fibre	-	-	-	-	-	-	-	-	-	-	-	-	-
	Dairy	-	-	-	-	-	-	-	-	-	-	-	-	-
15	Poultry	Backyard	Rabi 2010-11	Poultry	Swarnadhara	-	Varietal popularization	Rearing of Swarnadhara poultry birds	20	21	-	21		-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Rabbitry	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Pigerry	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sheep and goat	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Duckery	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	Common carps	Rainfed	Kharif-2011-12	Fish	Catla, Rohu & fresh water prawn	-	Polyculture of fish and prawn	Polyculture of fish and prawn	04	04	0	04		-
17		Rainfed	Kharif-2011-12	Fish	Fish+Pig	-	IFS	Integration of Fish with Pig Farming	03	03	-	03		-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Mussels	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Ornamental fishes	-	-	-	-	-	-	-	-	-	-	-	-	-

	Oyster mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-
	Button mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-
	Vermicompost	-	-	-	-	-	-	-	-	-	-	-	-	-
	Sericulture	-	-	-	-	-	-	-	-	-	-	-	-	-
	Apiculture	-	-	-	-	-	-	-	-	-	-	-	-	-
	Implements	-	-	-	-	-	-	-	-	-	-	-	-	-
	Others (specify)	-	-	-	-	-	-	-	-	-	-	-	-	-

5.A. 1. Soil fertility status of FLDs plots during 2011-12

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Season and year	Status of soil			Previous crop grown
										N	P	K	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Oilseeds	Rainfed / irrigated	Summer 2011-12	Sesamum	Local	-	Production technology	Crop Management	Summer 2011-12	M	M	L	Paddy
-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	Pulses	Rainfed/ irrigated	Summer 2011-12	Blackgram	TAU-1	-	Production technology	Crop Management	Summer 2011-12	M	M	L	Paddy
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	Cereals	Rainfed	Kharif-2011	Paddy	MO-4	-	Crop Managemnt	ICM in paddy	Kharif 2011	M	M	L	Paddy
4		Rainfed	Rabi-2011	Paddy	Jaya	-	Effective moisture utilization	SRI method of paddy cultivation	Rabi-2011	M	M	L	Paddy
5		Protective irrigation	Rabi-Summer-2011-12	Paddy	Jaya	-	Mchnanisation	Mechanisation in paddy	Rabi-Summer-2011-12	M	M	L	Paddy
-	Millets	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	Vegetables	Rainfed / irrigated	Summer 2012	WaterMelon	Sugar baby	-	Crop management	integrated crop management in watermelon	Summer 2012	M	M	L	Paddy
-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	Flowers	Protective irrigation	Rabi 2011-12	Jasmine	Udupi jasmine	-	crop management	Integrated crop management in Jasmine	Rabi 2011-12	M	M	L	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Ornamental	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	Fruit	Protective irrigation	Kharief 2011-12	Banana	Nendra		Crop management	ICM in banana	Kharief 2011-12	M	M	L	fallow
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	Spices and condiments	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Commercial												
-	-	-	-	-	-	-	-	-	-		-	-	-
-	Medicinal	-	-	-	-	-	-	-	-		-	-	-

	and aromatic												
-	-	-	-	-	-	-	-	-		-	-	-	--
9	Fodder	Rainfed/protective irrigation	Rabi-2011-12	NB fodder	Co-4		Diary	Popularization of Co-4 Fodder	Rabi-2011-12	M	M	L	Fallow
-	-	-	-	-	-	-	-		-	-	-	-	-
10	Plantation	Rainfed/protective irrigation	Kharif/Rabi-2011-12	Arecanut	Sumangala/ Mangala	-	Pest management	Root grub management in Arecanut	Kharif/Rabi-2011-12	M	M	L	-
11		Rainfed/protective irrigation	Kharif/Rabi-2011-12	Arecanut	Sumangala/ Mangala	-	Disease management	Managemnt of Inflorescence Die Back Arecanut	Kharif/Rabi-2011-12	M	M	L	-
12		Rainfed with protective irrigation	Kharif/Rabi-2011-12	Pepper	Penniyur	-	Disease management	Quick wilt management in pepper	Kharif/Rabi-2011-12	M	M	L	-
	Fibre												

5.B. Results of Frontline Demonstrations

5.B.1. Crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
							Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
							H	L	A										
Oilseeds (Sessamum	Production Technology of Sesamum	Local	-	Rainfed / Irrigation	12	5.0	2.50	2.24	2.37	1.83	29.5	7408	17442	10033	2.36	7266	12066	4800	1.66
Pulses (Blackgram)	Integrated cropping	TAU-1		Rainfed / Irrigation	12	5.0	Under progress (sowing in Feb-12 end Harvesting during May 2011)												
Cereals																			
Paddy	Mechanisation in paddy	/ Jaya		Rainfed / Irrigation	11	5.00	49.6	39.2	44.5	38.0	17.0	22626	44500	21874	1.96	28424	38000	9576	1.33
	ICM in paddy	MO-4	-	Rainfed	12	5.00	60.0	42.5	49.2	38.0	29.5	24000	50000	26000	2.08	24000	38000	14000	1.58
	SRI Method of paddy cultivation	MO-4	-	Rainfed / Irrigation	10	4.00	48.0	39.0	45.6	36.20	25.9	28274	45600	17326	1.61	26582	36200	9618	1.36
	Storage of paddy for seed purpose using metal bins	MO-4	-	-	10	-	Under progress												
Millets																			

Vegetables	Integrated crop management in water melon	Sugarbaby	-	Protective irrigation	10	2 ha	380.40	342.16	350.70	225.36	55.61	90,000	3,10,000	2,20,000	3.44	67,000	1,80,288	1,13,288	2.69
Flowers																			
Jasmine	ICM in Jasmine	Udupi Mallige	-	Rainfed Irrigation	10	0.5 ha.	1310 Atte/ 12.5cents	1250 Atte/ 12.5cents	525.0 Atte/ 12.5cents	818 Atte/ 12.5cents	57.21	70,000	2,31,480	1,61,480	3.30	65,000	1,47,240	82,240	2.26
Ornamental																			
Fruit	ICM in banana	Nendra	-	Protective irrigation	10	2 ha	392.40	338.23	357.44	259.33	37.83	64,820	2,50,208	1,85,388	3.86	49,000	1,55,598	1,06,598	3.32
Spices and condiments	drying of pepper using solarization technique		paniyur-1		10	10 farmers-	Under progress												

	Quick wilt management	Panniyur 1	-	Rainfed / protective irrigation	10	200 vines	2.1 kg /pt	1.20 kg /pt	1.72 kg /pt	1.20 kg /pt	50.00	12,300	84,000	71,700	6.82	12,000	70,000	58,000	5.83
Commercial			-																
			-																
Medicinal and aromatic			-																
			-																
Fodder	popularization of Co-4 fodder	Co-4	-	Rainfed / protective irrigation	10	0.4 ha	178.2	160.8	165.6	125.3	32.1	22256	82800	60544	3.72	11000	31325	20325	2.84
			-																
Plantation	Management of inflorescence Die back in areca nut	Sumangala/ mangala	-	Rainfed / protective irrigation	10	2.5ha	FLD Under progress												
	Root grub management	Sumangala/ mangala	-	Rainfed / protective irrigation	05	2.0 ha	12	7.0	8.8	5.60	57.14	71,500	2,16,000	1,44,500	3.02	67,300	1,80,000	1,12,700	2.67
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.) –NIL-

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

5.B.2. Livestock and related enterprises

Type of livestock	Name of the technology demonstrated	Breed	No. of Demo	No. of Units	Yield (q/ha)				% Increase	*Economics of demonstration Rs./unit)				*Economics of check (Rs./unit)			
					Demo			Check if any		Gross Cost Rs.	Gross Return Rs.	Net Return Rs.	** BCR	Gross Cost Rs.	Gross Return Rs.	Net Return Rs.	** BCR
					H	L	A										
Dairy																	
Poultry	Rearing of swarnadhara poultry birds	Swarnadhara	20	-	3.6	1.95	2.86	0.95	201.05	105/ bird	295/ birds	190/ birds	2.81	55/ birds	120/ birds	65/ birds	2.18
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (pl.specify)																	

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

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

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

5.B.3. Fisheries

Type of Breed	Name of the technology demonstrated	Breed	No. of Demo	Units/ Area (m^2)	Yield (q/ha)				% Increase	*Economics of demonstration Rs./unit) or (Rs./m2)				*Economics of check Rs./unit) or (Rs./m2)			
					Demo			Check if any		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Common carps	Polyculure of fish & prawn	Catla, Rohu & fresh water prawn	04		Under progress (Harvesting will be done during May 2012)												
Mussels	Integration of fish with pig arming	Fish= Pig=	03	-	Under progress (Harvesting will be done during May 2012)												
Ornamental fishes																	
Others (pl.specify)																	

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST
H-High L-Low, A-Average

Data on additional parameters other than yield (viz., reduction of percentage diseases, effective use of land etc.)

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

5.B.4. Other enterprises: Nil

Enterprise	Name of the technology demonstrated	Variety/ species	No. of Demo	Units/ Area {m^2}	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./unit) or (Rs./m2)				*Economics of check (Rs./unit) or (Rs./m2)			
					Demo			Check if any		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Oyster mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Button mushroom	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vermicompost	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST
H-High L-Low, A-Average

Data on additional parameters other than yield (viz., additional income realized, employment generation, quantum of farm resources recycled etc.) : Nil

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.): Nil

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

5.B.6. Cotton: Nil

5.B.6.1.Summary of demonstrations conducted under FLD cotton : Nil

Sl. No.	Category	Technology Demonstrated	Variety	Hybrid	Season and year	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
						Proposed	Actual	SC/ST	Others	Total	
	Production Technology										
	IPM										
	Farm Implements										

5.B.6.2 Production technology demonstrations: Nil

Performance of demonstrations : Nil

Farming situation	Technology Demonstrated	Area (ha)	No.of demo.	Variety	Hybrid	Yield (q/ha)		% Increase	Economics of demonstration (Rs./ha)				Economics of local check (Rs./ha)			
						Demo	Local		Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR

Performance of Bt hybrids, Desi hybrids, non-Bt hybrids and Varieties in Front Line Demonstrations in cotton during 2011-12: Nil

Category	Farming situation	Technology Demonstrated	Area (ha)	No.of demo.	Variety	Hybrid	Yield (q/ha)		% Increase	Economics of demonstration (Rs./ha)				Economics of local check (Rs./ha)			
							Demo	Local		Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
Bt hybrids	-	-	-	-	-	-	-	-		-	-	-	-	-	-	--	-
Desi hybrids (AXA)	-	-	-	-	-	-	-	-		-	-	-	-	-	-	--	-
HXB Hybrids	-	-	-	-	-	-	-	-		-	-	-	-	-	-	--	-
																	-
HXH Hybrids	-	-	-	-	-	-	-	-		-	-	-	-	-	-	--	-
Herbacium Varieties	-	-	-	-	-	-	-	-		-	-	-	-	-	-	--	-
Hirsutum Varieties	-	-	-	-	-	-	-	-		-	-	-	-	-	-	--	-
Arboreum Varieties	-	-	-	-	-	-	-	-		-	-	-	-	-	-	--	-

5.B.6.3 Integrated pest management demonstrations : Nil

Farming situation	Variety	Hybrid	No. of blocks	Total No. of Demo.	Area (ha)	Incidence of pest and diseases (%)			Seed Cotton Yield (q/ha)			Economics of demonstration (Rs./ha)				Economics of local check (Rs./ha)			
						IPM	Non IPM	% Change	IPM	Non IPM	% Change	Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

5.B.6.4 Demonstrations on farm implements **: Nil**

Name of the implement	Area (Ha)	No. of Demo.	Name of the technology demonstrated	Labour requirement for operation (Rs./ha)		
				Demo	Local check	% change
-	-	-	-	-	-	-
-	-	-	-	-	-	-
-	-	-	-	-	-	-
Total						

5.B.6.5 Extension Programmes organized in Cotton Demonstration Plots **: Nil**

Extension activity	No. of Programmes	Participants			SC/ST		
		Male	Female	Total	Male	Female	Total
Consultancy	-	-	-	-	-	-	-
Conventions	-	-	-	-	-	-	-
Demonstrations	-	-	-	-	-	-	-
Diagnostic surveys	-	-	-	-	-	-	-
Exhibition	-	-	-	-	-	-	-
Farmer study tours	-	-	-	-	-	-	-
Farmers Field school	-	-	-	-	-	-	-
Field Days	-	-	-	-	-	-	-
Field visits	-	-	-	-	-	-	-
Gram sabha	-	-	-	-	-	-	-
Group discussions	-	-	-	-	-	-	-
Kisan Gosthi	-	-	-	-	-	-	-
Kisan Mela	-	-	-	-	-	-	-
Training for Extension Functionaries	-	-	-	-	-	-	-
Training for farmers	-	-	-	-	-	-	-
Viedo show	-	-	-	-	-	-	-
Newspaper coverage	-	-	-	-	-	-	-
Popular articles	-	-	-	-	-	-	-
Publication	-	-	-	-	-	-	-
Radio talks	-	-	-	-	-	-	-
T.V. Programme	-	-	-	-	-	-	-
Others (Pl.specify)	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-

5.B.6.6 Technical Feedback on the demonstrated technologies on all crops / enterprise **:**

S. No	Crop / Enterprise	Name of the technology demonstrated	Feed Back
1.	Paddy	Mechanisation in Paddy cultivation	Farmers are convinced that mechanization is the solution to meet the problem of Labour scarcity in paddy cultivation. However they felt that machines suitable for small holdings is essential.
2.	Paddy	SRI-Method of Paddy cultivation	Under SRI method of paddy cultivation grain and straw yield are better than the traditional method. Recorded higher number of tillers in SRI method which resulted in higher yield
3	Paddy	Integrated Crop Management in Paddy	Adoption of ICM practices gave higher yield over traditional method. In long run ICM practice will help to maintain the soil health and sustain the yield. Farmers are convinced about balanced fertilization for sustained production suitable Red Rice varieties for rabi season needs to be developed.
4	Sesamum	Production Technology in Sessamum	Availability of improved varieties seeds in abundance during sowing season is very essential.
5	Arecanut	Integrated root grub management in Arecanut	Predicting the pest incidence made to obtain better yield.
6	Arecanut	Management of Inflorescence Die-back in Arecanut	Management of this disease by applying once is not sufficient so, control measures has to be taken regularly for at least 3-4 seasons to control spores
7	Jasmine	ICM in jasmine	Nutrient Pest and Disease management helps to increase the yield
8	Banana	ICM in Banana	Use of Banana special will improve the yield.
9	Watermelon	ICM in watermelon	Adoption of ICM practices increases the fruit size and yield over traditional method.
10	Poultry	Rearing of swarnadhar poultry birds in backyards	Rearing of swarnadhara poultry birds gives 3-4 time higher growth and income compare to native poultry birds.

5.B.6.7 Farmers' reactions on specific technologies **:**

S. No	Crop / Enterprise	Name of the technology demonstrated	Feed Back
1.	Sesamum	Production technology	Adoption of improved crop management practices in Sesamum give higher yields farmers are convinces and willing to adopt it on large scale
2.	Paddy	Mechanisation of Paddy	Farmers are convinced that farm mechanization is the ultimate solution for scarcity of labor and can be adopted on large scale
3.	Paddy	SRI-Method of Paddy cultivation	Farmers felt that the yield in SRI-method of paddy cultivation is better over traditional practice. Experienced labour and weed management is major problem in this method, which can be overcome by use of conoweeder. The farmers are willing to adopt it and agree to disseminate the same to the neighbouring farmers.
4.	Paddy	Integrated Crop Management in Paddy	Farmers felt the ICM technology in paddy cultivation has helped to increase the grain and straw yield. Farmers wish to continue the same technology in future and disseminate it to the neighbouring farmers.
5.	Arecanut	Integrated root grub management in Arecanut	Farmers opined that timely application of recommended dose of Pesticides reduced root grub incidence and plant has regained the vigour and yield.
6.	Pepper	Quick wilt management	Use of *Trichoderma* has got good control over farmer practice and suits well in organic farming
7.	Banana	Integrated Crop Management in Banana	Farmers opined that ICM practices increases the bunch weight and yield compared to traditional method.
8.	Watermelon	Integrated Crop Management in Watermelon	Farmers opined that ICM practices increases the fruit size and yield compared to traditional method.
9.	Poultry	Rearing of swarnadhar poultry birds in backyards	Farmers opined that rearing of swarnadhara poultry birds is useful in giving higher meat and eggs compare to native poultry birds
10.	Jasmine	ICM Jasmine	Farmers opined that ICM Practices followed plot yielded flower throughout the year and quantity also increased compared to traditional method

5.B.6.8 Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Number of participants	Remarks
1	Field days	3	108	-
2	Farmers Training	19	610	-
3	Media coverage	32	-	-
4	Training for extension functionaries	-	-	-

PART VI – DEMONSTRATIONS ON CROP HYBRIDS : Nil

Demonstration details on crop hybrids

Type of Breed	Name of the technology demonstrated	Name of the hybrid	No. of Demo	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Cereals																	
Bajra																	
Maize																	
Paddy																	
Sorghum																	
Wheat																	
Others (pl.specify)																	
Total																	
Oilseeds																	
Castor																	
Mustard																	
Safflower																	
Sesame																	
Sunflower																	
Groundnut																	
Soybean																	
Others (pl.specify)																	
Total																	
Pulses																	
Greengram																	
Blackgram																	
Bengalgram																	
Redgram																	
Others (pl.specify)																	
Total																	
Vegetable crops																	
Bottle gourd																	
Capsicum																	
Others (pl.specify)																	
Total																	
Cucumber																	
Tomato																	
Brinjal																	
Okra																	
Onion																	
Potato																	
Field bean																	
Others (pl.specify)																	
Total																	
Commercial crops																	
Sugarcane																	

Coconut																		
Others (pl.specify)																		
Total																		
Fodder crops																		
Maize (Fodder)																		
Sorghum (Fodder)																		
Others (pl.specify)																		
Total																		

H-High L-Low, A-Average

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

PART VII. TRAINING

7.A.. Farmers' Training including sponsored training programmes (On campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management										
Resource Conservation Technologies										
Cropping Systems	4	112	7	119	47	3	50	159	10	169
Crop Diversification										
Integrated Farming	2	30	59	89	9	16	25	39	75	114
Micro Irrigation/Irrigation										
Seed production										
Nursery management										
Integrated Crop Management (Boochetana)	01	10	0	10	2	0	2	10	2	12
Soil and Water Conservation										
Integrated Nutrient Management										
Production of organic inputs										
Others (pl.specify)										
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop										
Off-season vegetables										
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl.specify)										

b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl.specify)										
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl.specify)										
d) Plantation crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
g) Medicinal and Aromatic Plants										

Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl.specify)										
Soil Health and Fertility Management										
Soil fertility management	01	29	2	31	0	0	0	29	2	31
Integrated water management										
Integrated nutrient management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing										
Others (pl.specify)										
Livestock Production and Management										
Dairy Management										
Poultry Management	01	37	4	41	4	1	5	41	5	46
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management										
Feed and Fodder technology										
Production of quality animal products										
Others (pl.specify)										
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										

Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	2	04	60	64	-	04	04	04	64	68
Women empowerment										
Location specific drudgery production										
Rural Crafts										
Women and child care										
Others (pl.specify)										
Agril. Engineering										
Farm machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl.specify)										
Plant Protection										
Integrated Pest Management	1	25	3	28	2	0	2	27	3	30
Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl.specify)										
Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										

Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes	04	109	16	125	16	4	20	125	20	145
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl.specify)										
Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
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	**02**	**16**	**12**	**28**	**4**	**3**	**7**	**20**	**15**	**35**
Apiculture										
Others (pl.specify)										
Capacity Building and Group Dynamics										
Leadership development										

Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
Agro-forestry										
Production technologies	**01**	**35**	**25**	**60**	**13**	**15**	**28**	**48**	**40**	**88**
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
TOTAL	**19**	**407**	**188**	**595**	**97**	**46**	**143**	**502**	**236**	**738**

7.B.. Farmers' Training including sponsored training programmes (Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production										
Weed Management										
Resource Conservation Technologies	01	-	27	27	-	1	1	-	28	28
Cropping Systems	8	189	51	240	64	24	88	253	75	328
Crop Diversification										
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production										
Nursery management										
Integrated Crop Management	3	44	5	49	8	1	9	49	9	58
Soil and Water Conservation	01	24	6	30	9	2	11	33	8	41
Integrated Nutrient Management	01	10	10	20	2	2	4	12	12	24
Production of organic inputs										
Others (pl.specify)										
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	3	60	48	108	24	14	38	84	62	146
Off-season vegetables	1	3	35	38	2	18	20	5	53	58
Nursery raising										
Exotic vegetables										
Export potential vegetables										
Grading and standardization										
Protective cultivation										
Others (pl.specify) Nutrient Management	04	85	18	103	35	7	42	119	26	145
b) Fruits										

Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit										
Management of young plants/orchards										
Rejuvenation of old orchards										
Export potential fruits										
Micro irrigation systems of orchards										
Plant propagation techniques										
Others (pl.specify) Banana: Integrated crop management in banana	01	24	0	24	6	0	6	30	0	30
c) Ornamental Plants										
Nursery Management										
Management of potted plants										
Export potential of ornamental plants										
Propagation techniques of Ornamental Plants										
Others (pl.specify) Production technology of Jasmine cultivation	2	32	62	94	10	23	33	42	85	127
d) Plantation crops										
Production and Management technology	01	12	52	64	0	0	64	12	52	64
Processing and value addition										
Others (pl.specify)										
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
g) Medicinal and Aromatic Plants										

Nursery management										
Production and management technology										
Post harvest technology and value addition										
Others (pl.specify)										
Soil Health and Fertility Management										
Soil fertility management	2	38	3	41	9	0	9	41	9	50
Integrated water management										
Integrated nutrient management										
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing										
Others (pl.specify)										
Livestock Production and Management										
Dairy Management										
Poultry Management	01	14	18	32	5	2	7	19	20	39
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management										
Feed and Fodder technology										
Production of quality animal products										
Others (pl.specify)										
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening										
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										

Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment										
Location specific drudgery production										
Rural Crafts										
Women and child care										
Others (pl.specify)										
Agril. Engineering										
Farm machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl.specify) Use of ICT in Agriculture marketing (Sponsored)										
Plant Protection										
Integrated Pest Management	01	12	05	17	06	02	08	17	08	25
Integrated Disease Management	06	115	38	153	31	11	42	150	45	195
Bio-control of pests and diseases(inlo)										
Production of bio control agents and bio pesticides										
Others (pl.specify)										
Fisheries										
Integrated fish farming	1	29	3	31	7	2	9	36	5	41
Carp breeding and hatchery management										

Carp fry and fingerling rearing										
Composite fish culture	02	25	25	50	2	0	2	27	25	52
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn	**01**	**04**	**38**	**42**	**01**	**08**	**09**	**05**	**46**	**51**
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl.specify) inland fisheries	**01**	**27**	**0**	**27**	**2**	**0**	**2**	**29**	**0**	**29**
Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										
Organic manures production										
Production of fry and fingerlings										
Production of Bee-colonies and wax sheets										
Small tools and implements										
Production of livestock feed and fodder										
Production of Fish feed										
Mushroom production										
Apiculture										
Others (pl.specify)										
Capacity Building and Group Dynamics										

Leadership development (FFS)	**07**	**137**	**8**	**145**	**51**	**0**	**51**	**145**	**51**	**196**
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
Agro-forestry										
Production technologies (Biodiesel)	**04**	**95**	**103**	**198**	**40**	**49**	**89**	**135**	**152**	**287**
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
TOTAL	**52**	**979**	**555**	**1534**	**313**	**166**	**480**	**1243**	**771**	**2014**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										

Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL										

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture										
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition										
Small scale processing										
Post Harvest Technology										
Tailoring and Stitching										
Rural Crafts										
Production of quality animal products										
Dairying										
Sheep and goat rearing										
Quail farming										
Piggery										
Rabbit farming										
Poultry production										

Ornamental fisheries										
Composite fish culture										
Freshwater prawn culture										
Shrimp farming										
Pearl culture										
Cold water fisheries										
Fish harvest and processing technology										
Fry and fingerling rearing										
Any other (pl.specify)										
TOTAL										

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production Livelihood security through Integrated Fish Farming Polyculture of Fish and Prawn	02	14	1	15	6	1	7	15	07	22
Household food security										
Any other (pl.specify)- Value addition	04	-	136	136	-	09	09	-	145	145
Any other (pl.specify)- FF S for Extension Personnel	**01**	**34**	**4**	**38**	**3**	**0**	**3**	**37**	**4**	**41**
Total	7	48	141	189	9	10	19	52	156	208

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops										
Integrated Pest Management										
Integrated Nutrient management										
Rejuvenation of old orchards										
Protected cultivation technology										
Production and use of organic inputs										
Care and maintenance of farm machinery and implements										
Gender mainstreaming through SHGs										
Formation and Management of SHGs										
Women and Child care										
Low cost and nutrient efficient diet designing										
Group Dynamics and farmers organization										
Information networking among farmers										
Capacity building for ICT application										
Management in farm animals										
Livestock feed and fodder production										
Household food security										
Any other : Value addition	02	0	87	87	0	20	20	0	107	107
Total	**02**	**0**	**87**	**87**	**0**	**20**	**20**	**0**	**107**	**107**

7.G. 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
1	**Crop production and management**										
1.a.	Increasing production and productivity of crops										
1.b.	Commercial production of vegetables										
2	**Production and value addition**										
2.a.	Fruit Plants										
2.b.	Ornamental plants										
2.c.	Spices crops										
3.	**Soil health and fertility management**										
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(sponsored by DCCD, Cochin)	-	-	-	-	-	-	-	-	-	-
7.b.	Others : RKVY										
8	**Farm machinery**										
8.a.	Farm machinery, tools and implements										
8.b.	Others (pl.specify)										
9.	**Livestock and fisheries**										
10	**Livestock production and management**										
10.a.	Animal Nutrition Management										
10.b.	Animal Disease Management										
10.c	Fisheries Nutrition Polyculture of Fishfor food and security	**01**	**07**	**02**	**09**	**0**	**0**	**0**	**07**	**02**	**09**
10.d	Fisheries Management (KVAFSU, Bidar)	**01**	**7**	**4**	**11**	**01**	**01**	**02**	**8**	**5**	**13**
10.e.	Others : Ornamental fish breeding and rearing (Sponsored by MPEDA)	04	109	16	125	16	4	20	125	20	145
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 ATMA	**01**	**34**	**4**	**38**	**3**	**0**	**3**	**37**	**4**	**41**
12.b.	Others:										
	Total	**7**	**157**	**26**	**183**	**20**	**5**	**25**	**177**	**31**	**208**

Details of sponsoring agencies involved

1. DCCD, Kochi, Kerala
2. MPEDA, Mangalore
3.KVAFSU,Bidar
4.ATMA, Bangalore

7.H. Details of vocational training programmes carried out by KVKs for rural youth : Nil

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

PART VIII – EXTENSION ACTIVITIES

Extension Programmes (including activities of 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	03	88	9	97	29	06	35	-	-	-
Kisan Mela	2	-	-	-	-	-	-	-	-	-
Kisan Ghosthi	-	-	-	-	-	-	-	-	-	-
Exhibition participation	05	-	-	-	-	-	-	-	-	-
Film Show	-	-	-	-	-	-	-	-	-	-
Method Demonstrations	06	148	39	187	48	18	66	187	66	255
Farmers Seminar	01	-	-	-	-	-	-	-	-	-
Workshop	02	-	-	-	-	-	-	-	-	-
Group meetings	02	-	-	30	-	-	-	-	-	-
Lectures delivered as resource persons	36	598	280	878	248	389	637	-	-	-
Newspaper coverage	35	-	-	-	-	-	-	-	-	-
Radio talks	06	-	-	-	-	-	-	-	-	-
TV talks	01	-	-	--	-	-	-	-	-	-
Popular articles	03	-	-	-	-	-	-	-	-	-
Extension Literature	08	-	-	-	-	-	-	-	-	-
Advisory Services(Telephone calls)	864	529	263	792	-	-	-	44	28	72
Scientists visit to farmers field	210	-	-	-	-	-	-	-	-	-
Farmers visit to KVK	30	463	69	532	7	3	10	11	13	24
Diagnostic visits	02	02	-	02	-	-	-	02	0	02
Exposure visits	-	-	-	-	-	-	-	-	-	-
Ex-trainees Sammelan	-	-	-	-	-	-	-	-	-	-
Soil health Camp	-	-	-	-	-	-	-	-	-	-
Animal Health Camp	-	-	-	-	-	-	-	-	-	-
Agri mobile clinic	-	-	-	-	-	-	-	-	-	-
Soil test campaigns	-	-	-	-	-	-	-	-	-	-
Farm Science Club Conveners meet	-	-	-	-	-	-	-	-	-	-
Self Help Group Conveners meetings	-	-	-	-	-	-	-	-	-	-
Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-
Celebration of important days (specify)	-	-	-	-	-	-	-	-	-	-
World food day	01	0	21	21	0	7	07	-	-	-
Nutrition week	-	-	-	-	-	-	-	-	-	-
Any Other (Specify) Raitha mahila dinacharane	01	01	36	37	0	0	0	-	-	-
Total	**1218**	**1829**	**717**	**2546**	**332**	**423**	**755**	**244**	**107**	**353**

PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIALS

9.A. Production of seeds by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Quantity of seed (qtl)	Value (Rs)	Number of farmers to whom provided
Cereals (crop wise)	Paddy- Seed 2010-11	MO4	-	332 Kg.	7968.00	13
	Paddy Bulk-2010-11	MO4	-	2896 Kg.	23168.00	1
	Paddy- Seed- 2011-12	MO4	-	5000 Kg..(Approx.)	125000.00	25
	Paddy Bulk-2011-12	MO4	-	1000 Kg.(Approx.)	10000.00	1
Oilseeds	-	-	-	-	-	-
Pulses	-	-	-	-	-	-
Commercial crops	-	-	-	-	-	-
Vegetables	-	-	-	-	-	-
Flower crops	-	-	-	-	-	-
Spices	-	-	-	-	-	-
Fodder crop seeds	-	-	-	-	-	-
Fiber crops	-	-	-	-	-	-
Forest Species	-	-	-	-	-	-
Others (specify)	-	-	-	-	-	-
Total	**-**	**-**	**-**	9228.00	166136.00	40

9.B. Production of planting materials by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Number	Value (Rs.)	Number of farmers to whom provided
Commercial	-	--	-	-	-	-
Vegetable seedlings	Drumstick			10	200.00	1
Fruits	-	-	-	-	-	-
Ornamental plants	-	-	-	-	-	-
Medicinal and Aromatic	-	-	-	-	-	-
Plantation	Jasmine Plant	Udupi Jasmine	-	5000	90000.00	Supplied to Department of Horticulture DK, Mangalore
Spices	-	-	-	-	-	-
Tuber	-	-	-	-	-	-
Fodder crop saplings	-	-	-	-	-	-
Forest Species	-	-	-	-	-	-
Others(specify)	-	-	-	-	-	-
Total					90200.00	

9.C. Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	Number of farmers to whom provided
Bio Fertilizers	-			
Bio-pesticide	-			
Bio-fungicide	Trichoderma	71 Kg	7100.00	13
Bio Agents	-			
Others (specify)	Vermi compost	13 Kg	130.00	2
Total	-		7230.00	

9.D. Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Dairy animals				
Cows				
Buffaloes				
Calves				

Others : Goat kids&Goats	Jamanapare	6+6	35550.00	9
Poultry	Swarnadhara	280	14000.00	8
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify) Rabbits	-	08	2300.00	04
Piggery				
Piglet-Pigs	Yorkshire	5+6	70900.00	10
Others (Pl.specify)				
Fisheries	Gold fish, guppy, platy, molly	110 Nos.	580.00	5
Fingerlings				
Others (Pl. specify)				
Total			**121030.00**	

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

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

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

(B) Literature developed/published

Item	Title	Authors name	Number
Research papers	1)An abstract and full length paper entitled "Success story : Software professional became best farmer in coastal zone" was submitted for oral presentation International Conference on Innovative approaches on Agricultural Knowledge Management : Global Extension Experiences " To be held at New Delhi in November 2-12 , 2011	Dr. G. Nagesh, Dr. H. Hanumanthappa Dr. Jayashree S.	01
	2)An abstract and full length paper entitled "Enhancing livelihood of rural women through FFS approach" was submitted for oral presentation National Conference on "Attracting youth for sustainable agriculture" in August 2011 at GKVK, Bangalore	Dr. G. Nagesh, Dr. H. Hanumanthappa Dr. Jayashree S.	01
Technical reports	-	-	-
News letters	"Krishi Sanjeevini ''Quarterly news letter April-May-2011 vol 3(2).	Programme Coordinator and	300

		SMS's	
Technical bulletins	-	-	-
Popular articles	Besige kalake tampada hannu Kallangady,- Krishi Kamadhenu-Kannada Monthly-January-2012 Vol-IV: 34-37	Mrs. Sujatha Bhat Mr. Shashikanth Mr. Ashokkumar Bennur	1
	Samagra kita nirvaneyali bevu Neranthara – Quarterly – December-2011: Vol: IV , 32-33	Mrs. Sujatha bhat Mr. Shashikanth Dr. H Hanumanthappa	1
	Krishiyanu naambi bhadukutiruva raitha haagu marukate vyavasthe Vijaya Gramina Abiruddi Prathistan (R) Nov-Dec-2011 No. 86 Page No. 14-16	Mr. Ashokkumar Bennur Mrs. Sujatha bhat	1
	Paata Madaku sai, Kesaru Gadhele dudeyuvudakku jai,- Krishi Vigyan Quartely July-Sept. 2011 Vol-35(3): 8-10	Dr. G. Nagesh, Dr. H. Hanumanthappa Mrs. Sujatha Bhat	1
Extension literature	Karavali pradeshada pramuka tharakare belegalle poshakamshagala nirvahane	Harish Shenoy Dr. H. Hanumanthappa	500
	Krishi Vigyan Kendra, Raithra Ashakirana	PC and All SMS	500
	Bhathadalli yantrikatah naati	Mr. Harish Shenoy and Dr. H Hanumanthappa	500
	Halasina Hannina Moulyvardhitha Uthpannagalu	Dr. Jayashree S. Dr. G. Nagesh, Dr. H. Hanumanthappa	500
Training manual	Bhttada Krishiyali yantropakaranagala balake	Mr. Harish Shenoy Dr. H. Hanumanthappa	30
	Kalangadi krishiyali samagra poshakamshagala nirvana raitha kshetra patashale	Mr. Ashokkumar Bennur Mr.Shashikanth Dr. H. Hanumanthappa	500
	Halu hannu ragi bhata hagu poustik powder maoulya vardhitha utpanagala tayarike	Ms. Shweta. B.K Mr. Ashokkumar Bennur Mr. Harish Shenoy Dr. H. Hanumanthappa	500
	Polyculture of fish for food and nutritional security	Dr. Rajesh K.M. Dr. H Hanumanthappa	30
	Alankaarika meenumari utpaadane mathu paalane	Dr. Rajesh K.M. Dr. H Hanumanthappa Mr. Rajkumar Nayak	30

	Livelihood Security through Integrated Fish Farming	Dr. Rajesh K.M. Dr. H Hanumanthappa	30
Others (Pl. specify)	Karavaliyalli labhadhayaka bhattada besaya : Book	Mr. Harish Shenoy Dr. H Hanumanthappa	1000
	Halashina Hannina besaya mattu molyuvardhane	Dr. Jayashree S. Dr. G. Nagesh, Dr. H. Hanumanthappa	500
Total	**19**		

10.B. Details of Electronic Media Produced: Nil

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

10.C. Success Stories / Case studies, if any (two or three pages write-up on each case with suitable action photographs. The Success Stories / Case Studies need not be restricted to the reporting period). :

1. INTEGRATED CROP MANAGEMENT IN WATERMELON

Background	Polali village of Bantwal Tq. is the only area in Dakshina Kannada growing watermelon crop. The farmers cultivate watermelon during summer season, under protective irrigation with the harvesting season coinciding with famous Sri. Rajarajeshwari Temple fair. In this fair watermelon is offered by the devotees as prasadam and consumed with religious touch. However, in the recent years farmers experienced that, there is a rapid decline in the yield with build up of pest and disease complex. KVK intervened at this juncture. After a preliminary survey discussion and meetings with the watermelon growers KVK Scientists identified that, improper nutrient, pest, disease and water management

	was the root cause for yield decline in watermelon.
Interventions	KVK decided to intervene at this juncture through Farmers Field School (FFS). One farmer Mr. Nagesh Devadiga who attended the training programme conducted by KVK and volunteered to serve as FFS farm leader. He agreed to spare 1 acre of land for conducting FFS on Integrated Crop Management in Watermelon by KVK.
a) Process	Under Farmers Field School KVK scientists conducted 7 training sessions' covering latest production technologies on Integrated Nutrient Management in watermelon. In each session farmers were exposed to scientific techniques and innovation in nutrient management. Farmers were convinced that balanced nutrition is important for realising economic yield as well as soil health management. The farmers leaders were provided with inputs by KVK in form of fertilizers Pheromone traps.
b) Technology	Farmers of FFS were given technical information on the following Topics. 1)Agro ecological situation and importance of soil testing 2)Seed treatment technology 3) Integrated nutrient management and fertilizer application method. 4)Integrated Pest and Disease Management 5) Integrated Pest management through pheromone traps 6) Irrigation Water management practices 7) Harvesting time and yield forecast
Impact	The farmers' facilitators Mr. Nagesh successfully implemented scientific crop management strategies in watermelon cultivated in their field. They could harvest yield of 147.32 q/Acre compared to the farmers practice of 95.74 q/Ac re. They opined that the yield realised was higher compared to their own yields on earlier occasions.
Economic gain	Technology intervention by KVK in form of FFS resulted in higher yield of 147.32 q/Acre in the FFS implemented the watermelon field. The produce was readily marketed in the local temple fair. This resulted in economic gain of Rs. 88,000/- and yield increase to the extent of 53.8% compared to traditional practices.
Horizontal spread	Selected farmers success in Watermelon production technology influenced the fellow group of 30 members and other neighboring farm visitors to think over and adopt the same in their farms as one of the income generating crop that can be grown in their farms as upcoming crop. It was observed that there was an increase in their knowledge level on integrated crop management in watermelon for realising higher yield and income.

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

FFS programme on integrated CROP management in watermelon

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
Watermelon	Integrated nutrient management in watermelon	Patnagar	-	Polali in Bantwal Tq.	2	0.4 ha.	147.32	95.74	53.87	36000	124000	88000	3.44	268000	72115.2	45315.2	2.69

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) : Nil

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

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

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

10.G. Field activities

i. Number of villages adopted : 12 Villages covering 5 taluks
ii. No. of farm families selected : 180
iii. No. of survey/PRA conducted : Group discussion with contact = 01

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

Status of establishment of Lab :

1. Year of establishment : 2011
2. List of equipments purchased with amount : 429806.00

Sl. No	Name of the Equipment	Qty.	Cost
1	Single Quartz distillation unit 2.5 liter with water softner & automatic cutoff	1	54877.00
2	Flame photometer	1	43817.00
3	P.H. Meter	1	19530.00
4	Digital Conductivity	1	20844.00
5	Visible Spectrophotometer	1	50340.00
6	Hot Air oven	1	17933.00
7	L.G.350 Fraist free Refrigerator	1	23490.00
8.	Rotary shaker	1	22473.00
9.	Ultra centrifuge machine	1	55170.00
10.	Hot plate rectangular	1	7264.00
11.	Electronic Balance	1	53913.00
12.	Fume Exhaust hood	1	60155.00
Total		12	**429806.00**

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

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples				
Water Samples				
Plant samples				
Manure samples				
Others (specify)				
Total				

Details of samples analyzed during the 2010-11 : Nil

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples				
Water Samples				
Plant samples				
Manure samples				
Others (specify)				
Total				

10.I. Technology Week celebration : Nil

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

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

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

A. Introduction of alternate crops/varieties Nil

State	Crops/cultivars	Area (ha)	Number of beneficiaries

B. Major area coverage under alternate crops/varieties: Nil

Crops	Area (ha)	Number of beneficiaries
Oilseeds		
Pulses		
Cereals		
Vegetable crops		
Tuber crops		
Total		

C. Farmers-scientists interaction on livestock management : Nil

State	Livestock components	Number of interactions	No.of participants
Total			

D. Animal health camps organized : Nil

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

E. Seed distribution in drought hit states: Nil

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

F. Large scale adoption of resource conservation technologies : Nil

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

G. Awareness campaign : Nil

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

PART XI. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)

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

11.B. Cases of large scale adoption : Nil
(Please furnish detailed information for each case)

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

PART XII - LINKAGES

12.A. Functional linkage with different organizations

Name of organization	Nature of linkage
State Department Department of Agriculture, Horticulture, Animal Husbandry and Veterinary services, Fisheries, women & Child welfare development, APMC, State marketing board.	• Training and demonstrations. • Providing technical information to the Extension functionaries during bi-monthly workshops • Diagnostic survey and forecasting of pest and disease management of different crops. • Field days, Farmers day, World Food day etc. • Field visit to problematic crops in the District. • Participation in Kissan melas, Krishi Utsav
Non-Governmental Organization Shree Kshetra Dharmasthala Rural Development Project, (SKDRDP) Nagarika Seva Trust, Cooperative Societies and Vijaya Rural Developmental Foundation	• Training programmes and demonstrations • Participation in meeting • Farmers selection, FLD, OFT implementation • Training need assessment
Bank Co-operative Agri. Bank	• Training Programmes for the farmers/Self Help Groups/OFT/FLD implementation.
All India Radio	• Transfer of technology through radio talks, radio script (Nataka). Announcing of messages to the farmers and KVK training Programme schedules. • Pest and Disease forecasting of different crops.

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

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

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

12.C. Details of linkage with ATMA

a) Is ATMA implemented in your district : Yes

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

KVK has taken lead in collaborating different development departments of DK District and provided necessary technical support for the preparation of SREP of the district.

Coordination activities between KVK and ATMA during 2011-12

S. No.	Programme	Particulars	No. of programmes attended by KVK staff	No. of programmes Organized by KVK	Other remarks (if any)
01	**Meetings**	-	-	-	-
02	**Research projects**	-	-	-	-
03	**Training programmes**	Training programmes for farmers under bhoochetana programme	05	-	Participated as resource person and provided technical guidance
		Exhibition under ATMA halasu mela	**01**		
		Rabi campaign	**01**		
		Farmers trainings under ATMA	**08**		
		Workshop under ATMA	**01**		
04	**Demonstrations**	-	-	-	-
05	**Extension Programmes**	-	-	-	-
	Kisan Mela				
	Technology Week				

	Exposure visit				
	Exhibition				
	Soil health camps				
	Animal Health Campaigns				
	Others (Pl. specify)				
06	**Publications**				
	Video Films				
	Books	**01**	**-**	**-**	**-**
	Extension Literature	**01**	**-**	**-**	**-**
	Pamphlets				
	Others (Pl. specify)				
07	**Other Activities** (Pl. specify)	**-**	**-**	**-**	**-**
	Watershed approach				
	Integrated Farm Development				
	Agri-preneurs development				

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

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

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

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

12.F. Details of linkage with RKVY

S. No.	Programme	Nature of linkage	Funds received if any Rs.	Expenditure during the reporting period in Rs.	Remarks
1					-
2					-
3					-
4					-

12. G Kisan Mobile Advisory Services : Nil

Month	No. of SMS sent	No. of farmers to which SMS was sent	No. of feedback / query on SMS sent
April 2011			
May			
June			
July			
August			
September			
October			
November			
December			
January 2011			
February			
March			

PART XIII- PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Demo Unit	Year of establishment	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs	Gross income	

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

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty. (in Qtl)	Cost of inputs	Gross income	
Cereals									
Paddy	20-07-2011	25-11-2011	3.5	MO4	Seed purpose	3.32	7968.00	7968.00	2010-11
				MO4	Bulk	28.96	23168.00	23168.00	2010-11
				MO4	Seed purpose	50.00	125000.00	125000.00	2011-12
				MO4	Bulk	10.00	10000.00	10000.00	2011-12
Pulses									
Oilseeds									
Fibers									
Spices & Plantation crops									
Floriculture									
Fruits									
Vegetables									
Others (specify)									

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

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1	Earth warms	3 Kg.	-	1200.00	
2	Vermicompost	13 Kg.	-	130.00	

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Pig	Yorkshire	Pig	6	-	49300.00	-
			Piglets		-	21600.00	-
2	Goat	Crossbred	Goat kids	3	-	7800.00	-
			Goat	6		27750.00	-

13.E. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
April 2011	-	-	-
May 2011	40	7	-
June 2011	32	2	-
July 2011	-	-	-
Aug. 2011	47	4	-
Sept. 2011	18	1	-
Oct. 2011	184	6	-
Nov2011	40	3	-
Dec. 2011	23	2	-
Jan. 2012	195	11	-
Feb. 2012	26	5	-
March 2012	-	-	-

13.F. Database management : Nil

S. No	Database target	Database created

13.G. Details on Rain Water Harvesting structure and micro-irrigation system : Nil

Amount sanction (Rs.)	Expenditure (Rs.)	Details of infrastructure created / micro irrigation system etc.	Activities conducted					Quantity of water harvested in '000 litres	Area irrigated / utilization pattern
			No. of Training programmes	No. of Demonstration s	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)		

PART XIV - FINANCIAL PERFORMANCE

14.A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute	-	-	-	-	-	-	-
With KVK	Canara Bank	Fisheries College Branch, Mangalore	8520101100857 8520101100918 (RF)	SB	8520101100857 8520101100918 (RF)		

14.B. Utilization of funds under FLD on Cotton *(Rs. in Lakh) : Nil*

S. No	Items / Head	Opening balance if any	Remittance by ZPD VIII Bangalore	Actual expenditure dubitable to Council A/C	Closing balance if any	Remarks
1	**Production Technology – 50 ha**					
	a. Essential inputs					
	b. POL, hiring vehicle, Kisan melas, printed materials, reports, demonstration boards					
	Total					
2.	**Farm Implements – 75 ha**					
	a. New equipments					
	b. Contingencies					
	Total					

14.C. Utilization of KVK funds during the year 2010-11 (Rs. in lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	33.00	33.00	36.27154
2	**Traveling allowances**	1.25	1.25	1.24435
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	3.00	3.00	2.99986
B	POL, repair of vehicles, tractor and equipments	2.00	2.00	1.98474
C	Meals/refreshment for trainees (ceiling upto Rs.75/day/trainee be maintained)	0.90	0.90	0.89418
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.30	0.30	0.30000
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	2.50	2.50	2.20191
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.55	0.55	0.36437
G	Training of extension functionaries	0.25	0.25	0.13606
H	Maintenance of buildings	0.15	0.15	0
L	Establishment of Soil, Plant & Water Testing Laboratory	0	0	0
J	Library	0.05	0.05	0.04671
K	Extension activities	0.20	0.20	0.17307
L	Farmers Field School	0.25	0.25	0.17802
M	Chemicals and glassware's for soil and water testing lbs	0	0	0
N	Petty items-such as pestle and mortar, cloth bag, plastic jar, tray, gas connection for flame photometer and other use,	0	0	0
	TOTAL (A)	**44.40**	**44.40**	**46.79418**
B. Non-Recurring Contingencies				
1	**Works**	-	-	-
2	**Equipments including SWTL & Furniture**	-	-	-
a.	Power tiller	-	-	-
b.	Computer & accessories	-	-	-
c.	Portable Carp Hatchery	-	-	-
d.	SWTL	-	-	-
e.	Generator	-	-	-
f.	EPABX System	-	-	-
3	**Vehicle** (Four wheeler/Two wheeler, please specify)	-	-	-
4	**Library** (Purchase of assets like books & journals)	-	-	-
TOTAL (B)		**-**	**-**	**-**
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**44.40**	**44.40**	**46.79418**

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year
April 2009 to March 2010	5281.00	151334.00	95628.00	60987.00
April 2010 to March 2011	60987.00	134375.00	122512.00	72850.00
April 2011 to March 2012	72850.00	225209.00	198125.00	99934.00

15. Details of HRD activities attended by KVK staff during 2011-12

Name of the staff	Designation	Title of the training programme	Institute where attended	Dates
Mr. Harish Shenoy	Training Assistant	Aquaculture in IFS	SAMETI, UAS Bangalore	28-06-2011 to 30-06-2011
Mr. Harish Shenoy	Training Assistant	New Horizons in Science and Technology : 4th conference of KSTA :Challenges and Opportunities	Mangalore University Mangalore	28th and 29th Jan-2012
Mr. Harish Shenoy	Training Assistant	Computer Aided irrigation water Scheduling	UAS Dharwad	29th March-2012
Dr. Rajesh K M	SMS Fisheries	Bio-Floc Technology An Eco-friendly Technology for intensive production of fish and Prawn.	University of Delhi	13-16th Sept,2011
Dr. Rajesh K M	SMS Fisheries	New Horizons in Science and Technology : 4th conference of KSTA :Challenges and Opportunities	Mangalore University Mangalore	28th and 29th Jan-2012
Mr.Shashikanth	SMS Horticulture	National Workshop for Dissemination of Horticultural Technology through KVK Personnel	IIHR Bangalore	18&19-01-2012
Mr.Shashikanth	SMS Horticulture	Livelihood Security through Integrated Fish Farming	KVAFSU, Bidar	19-03-2012 to 21-03-2012
Mr.Shashikanth	SMS Horticulture	Basic Training Programme in Ornamental Fish Breeding and Culture	MPEDA Mangalore	10-04-2012 to 14-04-2012
Mr.Ashok kumar Bennur	SMS Agricultural Extension	Recent Trends in Sheep and Goat Production	EEU, Veterinary College Shimoga	05-03-2012 to 07-03-2012
Mr.Ashok kumar Bennur	SMS Agricultural Extension	Basic Training Programme in Ornamental Fish Breeding and Culture	MPEDA Mangalore	14-02-2012 to 18-02-2012

Mr.Ashok kumar Bennur	SMS Agricultural Extension	Livelihood Security through Integrated Fish Farming	KVAFSU, Bidar	19-03-2012 to 21-03-2012
Ms. Punitha. B C	SMS Soil Science	Livelihood Security through Integrated Fish Farming	KVAFSU, Bidar	19-03-2012 to 21-03-2012
Mr. A. Prabhakar	SMS Entomology	Livelihood Security through Integrated Fish Farming	KVAFSU, Bidar	19-03-2012 to 21-03-2012
Mr. A. Prabhakar	SMS Entomology	Basic Training Programme in Ornamental Fish Breeding and Culture	MPEDA Mangalore	10-04-2012 to 14-04-2012
Ms. Shwetha B.K.	SMS Home Science	Livelihood Security through Integrated Fish Farming	KVAFSU, Bidar	19-03-2012 to 21-03-2012

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

1. Krishi Vigyan Kendra, Dakshina Kannada, Mangalore was transferred from the administrative control of University of Agricultural Sciences, Bangalore to Karnataka Veterinary, Animal & Fisheries Sciences, University Bidar on 30-08-2011 as per order No. ICAR/16-4/2003-ae-I dt. 09-08-2011 of ICAR New Delhi.
2. The Quinquennial Review Team of ICAR visited KVK, Mangalore on 13-11-2011 and reviewed the activities of KVK for the period 2005-06 to 2009-10. The team had interaction with officers of Developmental Department, NGO's, farmers and scientists.

SUMMARY FOR 2011-12

I. TECHNOLOGY ASSESSMENT

Summary of technologies assessed under various crops

Thematic areas	Crop	Name of the technology assessed	No. of trials
Integrated Nutrient Management	Ridge gourd	Nutrient management in Ridge gourd	10
	Bitter gourd	Nutrient management in Bitter gourd	10
Varietal Evaluation	-	-	-
	-	-	-
Integrated Pest Management	-	-	-
	-	-	-
Integrated Crop Management	-	-	-
	-	-	-
Integrated Disease Management	Arecanut	Management of slugs and inflorescence caterpillar in Arecanut	10
	Bhendi	Management of yellow vein mosaic in bhendi	10
Small Scale Income Generation Enterprises	-	-	-
	-	-	-
Weed Management	-	-	-
	-	-	-
Resource Conservation Technology	-	-	-
	-	-	-
Farm Machineries	-	-	-
	-	-	-
Integrated Farming System	-	-	-
	-	-	-
Seed / Plant production	-	-	-
	-	-	-
Value addition	-	-	-

	-	-	-
Drudgery Reduction	-	-	-
	-	-	-
Storage Technique	-	-	-
	-	-	-
Others (Pl. specify)	-	-	-
Total			**40**
***out of 04 proposed one OFT was not conducted due to transfer of concerned SMS & lapse of season when new incumbent took charge**			

Summary of technologies assessed under livestock : Nil

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials
Disease Management	-	-	-
Evaluation of Breeds	-	-	-
Feed and Fodder management	-	-	-
Nutrition Management	-	-	-
Production and Management	Fisheries	Polyculture of fish with different stocking densities	06
	Poultry	Assessment of Turkey Birds for Backyard Rearing	0
Others (Pl. specify)			
Total			06
Note: *out of 02 proposed one OFT was not conducted due to mass mortality of turkey chicks during rearing due to aflotoxins in feed as per post mortem report of IAH & VB, Bangalore			

Summary of technologies assessed under various enterprises : Nil

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

-	-	-	-
	-	-	-

Summary of technologies assessed under home science: Nil

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

II. TECHNOLOGY REFINEMENT

Summary of technologies refined under various crops: nil

Thematic areas	Crop	Name of the technology refined	No. of trials
Integrated Nutrient Management	-	-	-
	-	--	--
Varietal Evaluation	-	--	-
	-	-	-
Integrated Pest Management	-	-	-
	-	-	-
Integrated Crop Management	-	-	-

	-	-	-
Integrated Disease Management	-	-	-
	-	-	-
Small Scale Income Generation Enterprises	-	-	-
	-	-	-
Weed Management	-	-	-
	-	-	-
Resource Conservation Technology	-	-	-
	-	-	-
Farm Machineries	-	-	-
	-	-	-
Integrated Farming System	-	-	-
	-	-	-
Seed / Plant production	-	-	-
	-	-	-
Value addition	-	-	-
	-	-	-
Drudgery Reduction	-	-	-
	-	-	-
Storage Technique	-	-	-
	-	-	-
Others (Pl. specify)	-	-	-
	-	-	-
Total	-		**-**

Summary of technologies assessed under refinement of various livestock : Nil

Thematic areas	Name of the livestock enterprise	Name of the technology refined	No. of trials
Disease Management	-	-	-
Evaluation of Breeds	-	-	-
Feed and Fodder management	-	-	-
Nutrition Management	-	-	-
Production and Management	-	-	-
Others (Pl. specify)	-	-	-
Total			0

Summary of technologies refined under various enterprises : Nil

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

Summary of technologies refined under home science : Nil

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

III. FRONTLINE DEMONSTRATION

Cotton

Frontline demonstration on cotton : Nil

Crop	Thematic Area	Name of the technology demonstrated	No. of KVKs	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
						Demonstration	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Total																

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

Other 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	**TM BCR	Gross Cost	Gross Return	Net Return	** BCR
Cereals																		
Paddy	Mechanisation	Mechanisation in paddy	-	11	5.00	44.5	38.0	17.0	-	-	22626	44500	21874	1.96	28424	38000	9576	1.33
	Crop management	ICM in paddy	-	12	5.00	49.2	38.0	29.5	-	-	24000	50000	26000	2.08	24000	38000	14000	1.58
	Water management	SRI Method of paddy cultivation		10	4.00	45.6	36.20	25.9	-	-	28274	45600	17326	1.61	26582	36200	9618	1.36
	Post harvest technology	Storage of paddy for seed purpose using metal bins	-	10	-	Result Under progress												
	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
Millets	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-
Oilseeds (Sessamum)	Crop management	ICM in Sessamum	-	12	5.0	2.37	1.83	29.5	-	-	7408	17442	10033	2.36	7266	12066	4800	1.66
Pulses (Blackgram	Crop management	Production Technology	-	12	5.0	Under progress (sowing in Feb-12 end Harvesting during May 2011)												
Vegetables	Crop management	ICM in Water melon	-	10	2.0	350.70	225.36	55.61			90,000	3,10,000	2,20,000	3.44	67,000	1,80,288	1,13,288	2.69

Flowers Jasmine	Crop Management	ICM in Jasmine	-	10	0.5 ha.	1286 Atte/ 12.5cents	818 Atte/ 12.5cents	57.21	-	-	70,000	2,31,480	1,61,480	3.30	65,000	1,47,240	82,240	2.26
Ornamental																		
Fruit	Crop Managem,ent	ICM in banana		**10**	**2.0**	357.44	259.33	37.83	-	-	64,820	2,50,208	1,85,388	3.86	49,000	1,55,598	1,06,598	3.32
Spices and condiments	**Post harvest techniques**	Processing of pepper using solarization technique		**10**	**-**	FLD under Under progress												
	Integrated disease management	Quick wilt management	-	10	200 vines	1.72 kg /pt	1.20 kg /pt	50.00	-	-	12,300	84,000	71,700	6.82	12,000	70,000	58,000	5.83
Commercial	-	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Medicinal and aromatic	-	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	--	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fodder	**Introduction of fodder**	**Introduction of CO-4 fodder**	-	**10**	**0.4 ha**	165.6	125.3	32.1	-	-	22256	82800	60544	3.72	11000	31325	20325	2.84
Plantation																		
	Integrated disease Management	Management of inflorescence Die back in areca nut	-	10	2.5	FLD under Under progress												
	IPM	Root grub management	-	05	2.0	8.8	5.60	57.14	-	-	71,500	2,16,000	1,44,500	3.02	67,300	1,80,000	1,12,700	2.67
Fibre																		
Others (pl.specify)																		
		Total																

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

** BCR= GROSS RETURN/GROSS COST

Livestock

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	Live stock management	Rearing of swarnadhara poultry birds	-	20		2.86	0.95	201.05	-	-	105/ bird	295/ birds	190/ birds	2.81	55/ birds	120/ birds	65/ birds	2.18
Rabbitry																		
Pigerry																		
Sheep and goat																		
Duckery																		
Others (pl.specify)																		
	Total			**20**	**-**													

* 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	Polyculure of fish & prawn	-	-	04		Under progress (Harvesting will be done during May 2012)												
Mussels	Integration of fish with pig arming	-	-	03		Under progress (Harvesting will be done during May 2012)												
Ornamental fishes																		
Others (pl.specify)																		
		Total		**07**	**7000**													

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

Other enterprises : Nil

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

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

Women empowerment: Nil

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

Farm implements and machinery : Nil

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

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

Other enterprises

Demonstration details on crop hybrids : Nil

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

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

IV. Training Programme

Farmers' Training including sponsored training programmes (On campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	-	-	-	-	-	-	-	-	-	-
Cropping Systems	04	112	07	119	47	3	50	159	10	169
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	02	30	59	89	9	16	25	39	75	114
Micro Irrigation/Irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management Bhoochetana	01	10	0	10	2	0	2	10	2	12
Soil and Water Conservation	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Horticulture	-	-	-	-	-	-	-	-	-	-
a) Vegetable Crops	-	-	-	-	-	-	-	-	-	-
Production of low value and high volume crop	-	-	-	-	-	-	-	-	-	-
Off-season vegetables	-	-	-	-	-	-	-	-	-	-
Nursery raising	-	-	-	-	-	-	-	-	-	-
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-

b) Fruits	-	-	-	-	-	-	-	-	-	-
Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
c) Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
d) Plantation crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
e) Tuber crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
f) Spices	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants	-	-	-	-	-	-	-	-	-	-

Nursery management	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Soil Health and Fertility Management	-	-	-	-	-	-	-	-	-	-
Soil fertility management	01	29	02	31	0	0	0	29	2	31
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient use efficiency	-	-	-	-	-	-	-	-	-	-
Balanced use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and water testing	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management	-	-	-	-	-	-	-	-	-	-
Dairy Management	-	-	-	-	-	-	-	-	-	-
Poultry Management	01	37	04	41	04	01	05	41	05	46
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
Animal Disease Management	-	-	-	-	-	-	-	-	-	-
Feed and Fodder technology	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Home Science/Women empowerment	-	-	-	-	-	-	-	-	-	-
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-

Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-
Processing and cooking	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	02	04	60	64	-	04	04	04	64	68
Women empowerment	-	-	-	-	-	-	-	-	-	-
Location specific drudgery production	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agril. Engineering	-	-	-	-	-	-	-	-	-	-
Farm machinery and its maintenance	-	-	-	-	-	-	-	-	-	-
Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Plant Protection	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	01	25	3	28	02	0	02	27	03	30
Integrated Disease Management	-	-	-	-	-	-	-	-	-	-
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Fisheries	-	-	-	-	-	-	-	-	-	-
Integrated fish farming	-	-	-	-	-	-	-	-	-	-
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-

Composite fish culture	-	-	-	-	-	-	-	-	-	-
Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	04	109	16	125	16	04	20	125	20	145
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
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	**02**	**16**	**12**	**28**	**04**	**03**	**07**	**20**	**15**	**35**
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Leadership development	-	-	-	-	-	-	-	-	-	-

Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry	-	-	-	-	-	-	-	-	-	-
Production technologies	**01**	**35**	**25**	**60**	**13**	**15**	**28**	**48**	**40**	**88**
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**19**	**407**	**188**	**595**	**97**	**46**	**143**	**502**	**236**	**738**

Farmers' Training including sponsored training programmes (Off campus)

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop Production	-	-	-	-	-	-	-	-	-	-
Weed Management	-	-	-	-	-	-	-	-	-	-
Resource Conservation Technologies	01	0	27	27	0	1	1	0	28	28
Cropping Systems	08	189	51	240	64	24	88	253	75	328
Crop Diversification	-	-	-	-	-	-	-	-	-	-
Integrated Farming	-	-	-	-	-	-	-	-	-	-
Micro Irrigation/Irrigation	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Crop Management	03	44	05	49	08	01	09	49	09	58
Soil and Water Conservation	01	24	06	30	09	02	11	33	8	41
Integrated Nutrient Management	01	10	10	20	2	2	04	12	12	24
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Horticulture	-	-	-	-	-	-	-	-	-	-
a) Vegetable Crops	-	-	-	-	-	-	-	-	-	-
Production of low value and high volume crop	03	60	48	108	24	14	38	84	62	146
Off-season vegetables	01	03	35	38	02	18	20	05	53	58
Nursery raising	-	-	-	-	-	-	-	-	-	-
Exotic vegetables	-	-	-	-	-	-	-	-	-	-
Export potential vegetables	-	-	-	-	-	-	-	-	-	-
Grading and standardization	-	-	-	-	-	-	-	-	-	-
Protective cultivation	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)Nutrient Management	04	85	18	103	35	07	42	119	26	145
b) Fruits	-	-	-	-	-	-	-	-	-	-

Training and Pruning	-	-	-	-	-	-	-	-	-	-
Layout and Management of Orchards	-	-	-	-	-	-	-	-	-	-
Cultivation of Fruit	-	-	-	-	-	-	-	-	-	-
Management of young plants/orchards	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Export potential fruits	-	-	-	-	-	-	-	-	-	-
Micro irrigation systems of orchards	-	-	-	-	-	-	-	-	-	-
Plant propagation techniques	-	-	-	-	-	-	-	-	-	-
Others: Banana: Integrated crop management in banana	01	24	0	24	06	0	06	30	0	30
c) Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Nursery Management	-	-	-	-	-	-	-	-	-	-
Management of potted plants	-	-	-	-	-	-	-	-	-	-
Export potential of ornamental plants	-	-	-	-	-	-	-	-	-	-
Propagation techniques of Ornamental Plants	-	-	-	-	-	-	-	-	-	-
Others : Jasmine cultivation	-	-	-	-	-	-	-	-	-	-
d) Plantation crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology	01	12	52	64	0	0	64	12	52	64
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others: Production technology of Jasmine	02	32	62	94	10	23	33	42	85	127
e) Tuber crops	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
f) Spices	-	-	-	-	-	-	-	-	-	-
Production and Management technology	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
g) Medicinal and Aromatic Plants	-	-	-	-	-	-	-	-	-	-
Nursery management	-	-	-	-	-	-	-	-	-	-

Production and management technology	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Soil Health and Fertility Management	-	-	-	-	-	-	-	-	-	-
Soil fertility management	02	38	3	41	09	0	9	41	9	50
Integrated water management	-	-	-	-	-	-	-	-	-	-
Integrated nutrient management	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-
Nutrient use efficiency	-	-	-	-	-	-	-	-	-	-
Balanced use of fertilizers	-	-	-	-	-	-	-	-	-	-
Soil and water testing	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Livestock Production and Management	-	-	-	-	-	-	-	-	-	-
Dairy Management	-	-	-	-	-	-	-	-	-	-
Poultry Management	01	14	18	32	05	02	07	19	20	39
Piggery Management	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-
Animal Nutrition Management	-	-	-	-	-	-	-	-	-	-
Animal Disease Management	-	-	-	-	-	-	-	-	-	-
Feed and Fodder technology	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Home Science/Women empowerment	-	-	-	-	-	-	-	-	-	-
Household food security by kitchen gardening and nutrition gardening	-	-	-	-	-	-	-	-	-	-
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	-	-	-	-	-	-	-	-	-	-

Processing and cooking	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Women empowerment	-	-	-	-	-	-	-	-	-	-
Location specific drudgery production	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agril. Engineering	-	-	-	-	-	-	-	-	-	-
Farm machinery and its maintenance	-	-	-	-	-	-	-	-	-	-
Installation and maintenance of micro irrigation systems	-	-	-	-	-	-	-	-	-	-
Use of Plastics in farming practices	-	-	-	-	-	-	-	-	-	-
Production of small tools and implements	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Small scale processing and value addition	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Others : Use of ICT in Agriculture marketing (Sponsored)	-	-	-	-	-	-	-	-	-	-
Plant Protection	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	01	12	05	17	06	02	08	17	08	25
Integrated Disease Management	06	115	38	153	31	11	42	150	45	195
Bio-control of pests and diseases	-	-	-	-	-	-	-	-	-	-
Production of bio control agents and bio pesticides	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Fisheries	-	-	-	-	-	-	-	-	-	-
Integrated fish farming	01	29	3	31	7	2	9	36	5	41
Carp breeding and hatchery management	-	-	-	-	-	-	-	-	-	-
Carp fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Composite fish culture	02	25	25	50	02	0	2	27	25	52

Hatchery management and culture of freshwater prawn	-	-	-	-	-	-	-	-	-	-
Breeding and culture of ornamental fishes	-	-	-	-	-	-	-	-	-	-
Portable plastic carp hatchery	-	-	-	-	-	-	-	-	-	-
Pen culture of fish and prawn	**01**	**04**	**38**	**42**	**01**	**08**	**09**	**05**	**46**	**51**
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Edible oyster farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Fish processing and value addition	-	-	-	-	-	-	-	-	-	-
Others (pl.specify) Inland Fisheries	**01**	**27**	**0**	**27**	**2**	**0**	**2**	**29**	**0**	**29**
Production of Inputs at site	-	-	-	-	-	-	-	-	-	-
Seed Production	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Bio-agents production	-	-	-	-	-	-	-	-	-	-
Bio-pesticides production	-	-	-	-	-	-	-	-	-	-
Bio-fertilizer production	-	-	-	-	-	-	-	-	-	-
Vermi-compost production	-	-	-	-	-	-	-	-	-	-
Organic manures production	-	-	-	-	-	-	-	-	-	-
Production of fry and fingerlings	-	-	-	-	-	-	-	-	-	-
Production of Bee-colonies and wax sheets	-	-	-	-	-	-	-	-	-	-
Small tools and implements	-	-	-	-	-	-	-	-	-	-
Production of livestock feed and fodder	-	-	-	-	-	-	-	-	-	-
Production of Fish feed	-	-	-	-	-	-	-	-	-	-
Mushroom production	-	-	-	-	-	-	-	-	-	-
Apiculture	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Capacity Building and Group Dynamics	-	-	-	-	-	-	-	-	-	-
Leadership development	-	-	-	-	-	-	-	-	-	-
Group dynamics	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-

Mobilization of social capital	-	-	-	-	-	-	-	-	-	-
Entrepreneurial development of farmers/youths	-	-	-	-	-	-	-	-	-	-
Others (pl.specify)	-	-	-	-	-	-	-	-	-	-
Agro-forestry	-	-	-	-	-	-	-	-	-	-
Production technologies (Biodiesel)	04	95	103	198	40	49	89	135	152	287
Nursery management	-	-	-	-	-	-	-	-	-	-
Integrated Farming Systems	-	-	-	-	-	-	-	-	-	-
Others (Pl. specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	**52**	**979**	**555**	**1534**	**313**	**166**	**480**	**1243**	**771**	**2014**

Training for Rural Youths including sponsored training programmes (on campus): Nil

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-

Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	0	0	0	0	0	0	0	0	0	0

Training for Rural Youths including sponsored training programmes (off campus) Nil

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation of vegetable crops	-	-	-	-	-	-	-	-	-	-
Commercial fruit production	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-
Production of organic inputs	-	-	-	-	-	-	-	-	-	-
Planting material production	-	-	-	-	-	-	-	-	-	-
Vermi-culture	-	-	-	-	-	-	-	-	-	-
Mushroom Production	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-
Sericulture	-	-	-	-	-	-	-	-	-	-
Repair and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Value addition	-	-	-	-	-	-	-	-	-	-
Small scale processing	-	-	-	-	-	-	-	-	-	-
Post Harvest Technology	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-
Rural Crafts	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-

Ornamental fisheries	-	-	-	-	-	-	-	-	-	-
Composite fish culture	-	-	-	-	-	-	-	-	-	-
Freshwater prawn culture	-	-	-	-	-	-	-	-	-	-
Shrimp farming	-	-	-	-	-	-	-	-	-	-
Pearl culture	-	-	-	-	-	-	-	-	-	-
Cold water fisheries	-	-	-	-	-	-	-	-	-	-
Fish harvest and processing technology	-	-	-	-	-	-	-	-	-	-
Fry and fingerling rearing	-	-	-	-	-	-	-	-	-	-
Any other (pl.specify)	-	-	-	-	-	-	-	-	-	-
TOTAL	0	0	0	0	0	0	0	0	0	0

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production Livelihood security through integrated Fish farming Poly culture of Fish and Prawn	02	08	0	08	05	0	5	08	5	22
Household food security										
Any other : Value addition	4	-	136	136	-	09	09	-	145	145
Any other: Extension methodologies for transfer of technologies	01	34	04	38	03	0	3	37	04	41
Total	07	42	140	182	08	09	17	45	154	208

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops	-	-	-	-	-	-	-	-	-	-
Integrated Pest Management	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient management	-	-	-	-	-	-	-	-	-	-
Rejuvenation of old orchards	-	-	-	-	-	-	-	-	-	-
Protected cultivation technology	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-
Formation and Management of SHGs	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-
Any other : Value addition	02	00	87	87	00	20	20	00	107	107
Total	02	00	87	87	00	20	20	00	107	107

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
1	**Crop production and management**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
1.a.	Increasing production and productivity of crops	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
1.b.	Commercial production of vegetables	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
2	**Production and value addition**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
2.a.	Fruit Plants	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
2.b.	Ornamental plants	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
2.c.	Spices crops	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
3.	**Soil health and fertility management**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
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(sponsored by DCCD, Cochin)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
7.b.	Others : RKVY	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
8	**Farm machinery**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
8.a.	Farm machinery, tools and implements	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
8.b.	Others (pl.specify)	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
9.	**Livestock and fisheries**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
10	**Livestock production and management**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
10.a.	Animal Nutrition Management	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
10.b.	Animal Disease Management	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
10.c	Fisheries Nutrition Polyculture of Fishfor food and security	**01**	**07**	**02**	**09**	**0**	**0**	**0**	**07**	**02**	**09**
10.d	Fisheries Management (KVAFSU, Bidar)	**01**	**7**	**4**	**11**	**01**	**01**	**02**	**8**	**5**	**13**
10.e.	Others : Ornamental fish breeding and rearing (Sponsored by MPEDA)	04	109	16	125	16	4	20	125	20	145
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 ATMA	**01**	**34**	**4**	**38**	**3**	**0**	**3**	**37**	**4**	**41**
12.b.	Others:	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	Total	**7**	**157**	**26**	**183**	**20**	**5**	**25**	**177**	**31**	**208**

Details of vocational training programmes carried out for rural youth : Nil

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

V. Extension Programmes

Activities	No. of programmes	No. of farmers	No. of Extension Personnel	TOTAL
Advisory Services (Telephone calls)	864	792	72	864
Diagnostic visits	02	02	02	04
Field Day	03	132	0	132
Group discussions	02	60	0	60
Kisan Ghosthi	-	0	0	0
Film Show	-	0	0	0
Self -help groups	-	0	0	0
Kisan Mela	02	1000	0	1000
Exhibition	05	2000	0	2000
Scientists' visit to farmers field	210	210	0	210
Plant/animal health camps	0	0	0	0
Farm Science Club	0	0	0	0
Ex-trainees Sammelan	0	0	0	0
Farmers' seminar/workshop	01	500	0	500
Method Demonstrations	06	255	0	255
Celebration of important days (World food day)	01	28	02	31
Special day celebration (women in agriculture day)	01	37	0	37
Exposure visits	-	0	0	0
Others : Farmers visit to KVK	30	542	24	566
Total	**1127**	**5558**	**100**	**5658**

Details of other extension programmes

Particulars	Number
Electronic Media	00
Extension Literature	04
News Letter	01
News paper coverage	36
Technical Articles	02
Technical Bulletins	-
Technical Reports	-
Radio Talks	06
TV Talks	01
Animal health camps (Number of animals treated)	-
Others (pl.specify)	-
Total	**50**

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 (q)	Value (Rs)	Number of farmers
Cereals	Paddy-Seed-2010-11	MO-4	3.32	7968.00	13
	Paddy-Bulk-2010-11	MO-4	28.96	23168.00	1
	Paddy-Seed-2011-12	MO-4	50.00 (Approx)	125000.00	25
	Paddy-Bulk-2011-12	MO-4	10.00 (Approx)	10000.00	1
Oilseeds	-	-	-	-	-
Pulses	-	-	-	-	-
Commercial crops	-	-	-	-	-
Vegetables	-	-	-	-	-
Flower crops	-	-	-	-	-
Spices	-	-	-	-	-
Fodder crop seeds	-	-	-	-	-
Fiber crops	-	-	-	-	-
Forest Species	-	-	-	-	-
Others	-	-	-	-	-
Total	**-**	**-**	**9228.00**	**166136.00**	**40**

Production of planting materials by the KVKs

Crop category	Name of the crop	Name of the variety (if hybrid pl. specify)	Number	Value (Rs.)	Number of farmers
Commercial	-	-	-	-	-
Vegetable seedlings	Drumstick	-	10	200.00	-
Fruits	-	-	-	-	-
Ornamental plants	-	-	-	-	-
Medicinal and Aromatic	-	-	-	-	-
Plantation	Jasmine Plant	Udupi Jasmine	5000	90000.00	Supplied to Department of Horticulture DK, Mangalore
Spices	-	-	-	-	-
Tuber	-	-	-	-	-
Fodder crop saplings	-	-	-	-	-
Forest Species	-	-	-	-	-
Others	-	-	-	-	-
Total	-	-	5010	90200.00	-

Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	No. of Farmers
Bio Fertilizers	-	-	-	-
Bio-pesticide	-	-	-	-
Bio-fungicide	Trichoderma	71	7100.00	13
Bio Agents	-	-	-	-
Others	Vermi compost	13	130.00	2
Total	**-**	**-**	**7230.00**	-

Production of livestock and related enterprise materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
Dairy animals	-	-	-	-
Cows	-	-	-	-
Buffaloes	-	-	-	-
Calves	-	-	-	-
Others : Goat kids+ Goats	Jamunapare	6+6	35550.00	9
Poultry				
Broilers	Swarnadhara	280	14000.00	8
Layers	-	-	-	-
Duals (broiler and layer)	-	-	-	-
Japanese Quail	-	-	-	-
Turkey	-	-	-	-
Emu	-	-	-	-
Ducks	-	-	-	-
Others (Pl. specify) Rabbit	-	08	2300.00	04
Piggery	-	-	-	-
Piglet+Pig	Yokshire	5+6	70900.00	10
Others (Pl.specify)	-	-	-	-
Fisheries	Gold fish, Guppy, Platy, Molly	220 Nos	580.00	-
Fingerlings	-	-	-	-
Others (Pl. specify)	-	-	-	-
Total	**-**	**-**	**123330.00**	**31**

VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS 2011-12: Nil

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

VIII. SCIENTIFIC ADVISORY COMMITTEE :

Number of SACs conducted : 01
Scientific Advisory Committee Meeting was conducted on 19-07-2011 at KVK Mangalore. There were 39 participants including Scientists, Development Department Officers Farmer Represenrtatives.

IX. NEWSLETTER :

Number of issues of newsletter published "01
Quarterly News Letter " Sanjeevini" was published for the quarter April- June -2011

X. RESEARCH PAPER PUBLISHED

Number of research paper published :02
1)An abstract and full length paper entitled "Success story : Software professional became best farmer in coastal zone" was submitted for oral presentation International Conference on Innovative approaches on Agricultural Knowledge Management : Global Extension Experiences " held at New Delhi in November 2-12 , 2011
2)An abstract and full length paper entitled "Enhancing livelihood of rural women through FFS approach" was submitted for oral presentation National Conference on Attracting youth for sustainable agriculture" in August 2011 at GKVK, Bangalore

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

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

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