PROFORMA FOR ANNUAL REPORT 2009-10

(FOR THE PERIOD APRIL 2009 TO MARCH 2010)

KRISHI VIGYAN KENDRA (DAKSHINA KANNADA)

PART I - GENERAL INFORMATION ABOUT THE KVK

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

KVK Address	Telephone		E mail	Web Address
	Office	FAX		
Krishi Vigyan Kendra (D.K), Kankanady, Mangalore-575002.	0824-2431872	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 University of Agricultural Sciences, G.K.V.K. Bangalore	080-23332442	080-23330277	vcuasbangalore_2007@rediffmail.com	www.uasbangalore.edu.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. H. Hanumanthappa	0824-2430716	9449866934	hhanumanthappa@rediffmail.com

1.4. Year of sanction: 2004

1.5. Staff Position (as 31st March 2010)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M/F	Discipline	Highest Qualification	Pay Scale (Rs.)	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	16400-22400	18200.00	21-1-2006	Permanent	SC
2	SMS	Dr. Jayashree S.	Subject Matter Specialist	F	Home Science (F & N)	Ph D	8,000-13,500	9650.00	2-3-2007	Permanent	OBC
3	SMS	Dr. G. Nagesha	Subject Matter Specialist	M	Agril. Extension	Ph D	8,000-13,500	9650.00	10-3-2007	Permanent	SC
4	SMS	Dr. Parashuram Chandravanshi	Subject Matter Specialist	M	Soil Science	Ph D	8,000-13,500	9650.00	16-3-2007	Permanent	SC
5	SMS	Dr. K.M. Rajesh	Subject Matter Specialist	M	Fisheries	Ph D	8,000-13,500	9650.00	7-11-08	Permanent	General
6	SMS	Dr. Raviraj Shetty G.	Subject Matter Specialist	M	Horticulture	Ph D	8,000-13,500	8000.00	24-7-09	Permanent	General
7	SMS	Dr. Sharanabasappa	Subject Matter Specialist	M	Entomology	Ph D	8,000-13,500	8000.00	30-7-09	Permanent	General
8	Programme Assistant (Lab Tech.)/T-4	-	-	-	-	-	-	-	-	Vacant	-
9	Programme Assistant (Computer)/ T-4	Mrs. Nalinakshi	Programme Assistant (Computer)	F	-	M.A (ADCA)	-	9300.00 consolidated	7-9-2009	Work contract basis	OBC
10	Programme Assistant/ Farm Manager	Mrs. Sujata Bhat	Farm Manager		-	M.Sc.(Agri.)	-	9300.00 consolidated	14/07/2010	Work contract basis	General
11	Assistant	Mr. Dayanada G.N.	Assistant	M	-	-	-	8000.00 consolidated	-	Work contract basis	-
12	Jr. Stenographer	Mr. Ramakrishna M.	Typist	-	-	PUC	10000-18500	15600.00	23-11-2009	Permanent	General
13	Driver	Mr. Rajesh N.	Tractor Driver	M	-	S.S.L.C	7275-13350	7275.00	25-10-08	Permanent	General
14	Driver	Mr. R.T. Nagaraja	Driver (LV)	M	-	7th Std	5800-10500	6650.00	6-11-2008	Permanent	General
15	Supporting staff	Mr. C.N. Jayarama	Messenger	M	-	PUC	4800-7275	5000.00	13-7-2007	Permanent	General
16	Supporting staff	Mr. Vamana	Messenger	M	-	4th Std	5200-8200	6125.00	23-11-2009	Permanent	SC

1.6. Total land with KVK (in ha) : 9 ha

Sl. 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	

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	ICAR	24-11-2007	550	42.25	-	-	-
2.	Farmers Hostel	ICAR	24-11-2007	300	35.72	-	-	-
3.	Staff Quarters	ICAR	24-11-2007	400	32.35	-	-	-
4.	**Demonstration Units**							
a.	Demonstration Units (Fisheries)	ICAR	20-02-2007	80	1.75	-	-	-
b.	Demonstration Units (Horticulture)	ICAR	12-05-2008	260	2.0	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Bolero DI Jeep	2004	5,00,000	151947 kms.	Good condition
M.F. Tractor 1035	2005	5,00,000	144.5 hrs.	Good condition
Hero Honda (Bike)	2006	40,000	19781kms.	Good condition
Aviator	2009	50,000	03708 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
AV aids			
Digital Camera	2006	20,000.00	Good
Magnetic White Board	2008	3,800.00	Good

1.8. A). Details SAC meeting conducted in 2009-10

Sl.No.	Date	Number of Participants	No. of absentees	Salient Recommendations	Action taken
1.	22-7-09	25	10	• Conduct training programmes on Jasmine cultivation as it is an important flower crop of coastal zone.	Action is being taken to conduct on/off campus training programmes on jasmine cultivation.
				• Suggested to implement IFS model demonstrations at field level.	IFS model demonstration was taken up in the farm field of Yashodhara Gowda of Belthangady Taluk.
				• Establish Floriculture demonstration units at KVK farm.	Gerbera is being cultivated under polyhouse at KVK farm
				• Establish vegetable demonstration units under polyhouse at KVK farm.	Mattugulla & coloured capsicum are being cultivated under polyhouse.
				• Establish Ornamental fish culture demonstration units.	Action is being taken to establish ornamental fish culture demonstration units.
				• Organize more number of vocational training programmes for the benefit of Rural Youths.	Action will be taken to organize more number of vocational training programmes
				• Plan for more number of OFTs for next year Action Plan	A total of 7 no of OFT's have been sanctioned for 2010-11
				• Organize training programmes related to dairy, animal husbandry, poultry and fisheries.	A total of 14 no of training programmes have been organized related to dairy animal husbandry, poultry & Fisheries.
				• Organize more number of training programmes on Aquarium fabrications, maintenance and ornamental fish culture.	Two training programmes have been organized.
				• Establish medicinal and aromatic plants demonstration in small area on KVK farm.	Action will be taken to establish medicinal and aromatic plants demonstration unit.
				• Conduct demonstration on groundnut cultivation under RKVY or FLD programmes.	Demonstration on groundnut cultivation is being taken at KVK farm.
				• Conduct Integrated Nutrient Management demonstrations for the control of mites in coconut.	A total of 10 demonstrations under FLD on INM in coconut have been sanctioned for 2010-11.
				• Conduct impact analysis of the Training programmes conducted by the KVK.	Conducted impact analysis of on campus training programme and Farmers Field School programme.
				• Provide more information about usage of Tarpaulin for drying of Arecanut in rainy season.	Information is being given during training programmes.

				• Conduct programmes on cashew processing for the farmers.	A total of four training programmes are conducted on cashew apple processing.
				• Provide information about nutrient management in cashew through training programmes.	It is being done
				• Organize more number of training programmes related to animal husbandry and veterinary aspects in collaboration with the department.	Three training programmes have been organized related to animal husbandry & veterinary aspects in collaboration with the Department.
				• Establish fodder crops varietals demonstration on KVK farm.	Fodder crop varietal demonstration is being taken on KVK farm
				• Conduct Block demonstration on control of root grub in Arecanut.	FLD on Root grub management in Arecanut is being taken up for the year 2010-11.
				• Conduct demonstration on Rapid multiplication techniques in jasmine.	Action will be taken to conduct demonstration
				• While organizing off campus training programmes provide advance information so that members of Navodaya groups can attend the training programmes.	Advance information is being provided
				• Suggested to organize “Halasina Mela” as Annual event in KVK	Action was taken to organize Halasina Mela. But due to financial difficulty could not organize Halasina Mela.

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, Amarpophilous, 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 4866 sq. km. The district has 134246 ha of net cultivable area mainly dependent on rainfall. The annual average rainfall is 3592.8 mm. This district receives rainfall between May and October with heavy rainfall during the month of June, July, and August. Recorded maximum temperature of 34^{o}C during the months of April and May and minimum temperature of 21.5^{o} C during the month of January.

S. No	Agro ecological situation	Characteristics
1	Coastal Zone, Zone 10	The annual average rainfall is 3592.8 mm. This district receives rainfall between May and October with heavy rainfall during the month of June, July, and August. Recorded maximum temperature of 34^{o}C during the months of April and May and minimum temperature of 21.5^{o} C during the month of January. The soil in the major portions of the district consists of three types, viz. coastal sands, 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 content of low soluble salt. 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, Chill, 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.	1,34,246

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	55948	13899.6	2484
2.	Black gram	2111	117.9	558
3.	Cowpea	607	28.9	476
4.	Arecanut	27481	4923.087	179
5.	Coconut	16094	207.180	13
6.	Pepper	2008.31	3600	1827
7.	Cashew	30524	244190	-
8.	Cocoa	906	34480	39406
9.	Vanilla	232.86	8.87	38
10.	Mango	1572.65	1323.155	841
11.	Sapota	184	201.5	1095
12.	Banana	3146.71	606280	193700
13	Pine apple	356.75	2169.2	6080
14	Jack Fruit	996	258960	260000
15	Ginger	313.95	359.344	1145
16	Vegetables	2983	302880	101535
17	Jasmine	66	153	-

* Source: Statistical Department, Dakshina Kannada

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
April	-	33.33	25.00	79.00
May	221	34.71	24.79	72.63
June	465.4	31.31	24.33	89.54
July	1525	31.67	24.63	81.32
August	570.8	32.24	23.45	81.53
September	308.8	31.81	23.86	75.66
October	130.2	31.02	24.77	75.29

November	27.4	30.36	24.31	72.63
December	25.2	31.77	20.36	57.64
January	-	33.99	19.81	56.85
February	-	32.80	20.80	64.76
March	1.8	33.36	22.31	77.45

Source: HRS, Ullal, Mangalore

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

Category	**Population**	**Production (No. Meat)**	**Productivity**
Cattle			
Crossbred	107707	908	-
Indigenous	229670	-	-
Buffalo	26069	1151	-
Sheep			
Crossbred	-	-	-
Indigenous	420	-	-
Goats	16487	13368	-
Pigs			
Crossbred	1728	-	-
Indigenous	6263	-	-
Rabbits	566	-	-
Poultry	855976	1287600	-
Category	**Area**	**Production (mt)**	**Productivity**
Fish			
Marine	-	88972	-
Inland	-	1064.53	-
Prawn	-	9119	-

- Source: Statistical Department, Dakshina Kannada

2.6 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
	Mangalore	-	Puttige	2008-2010	Paddy, Arecanut, Coconut, Pepper, Cashew, Banana, Vegetables, Jasmine	• Soil acidity • Imbalanced nutrient application • Non adoption of high yielding varieties	• Introduction of high yielding varieties • Organic farming • Integrated Nutrient Management Approaches • Soil reclamation
	Bantwal	-	Meramajalu	2009-2010	Paddy, Arecanut, Coconut, Pepper, Banana, Vegetables, Jasmine	• Imbalanced nutrient application • Soil acidity • Lack of knowledge on management of pest and diseases	• Integrated Nutrient Management Approaches • Soil reclamation • Integrated pest management approaches • Employment generation activities • Value addition

	Puttur	-	Panaje	2007-2010	Paddy, Arecanut, Coconut, Pepper, Banana, Vegetables, Jasmine, Cashew, Cocoa, Rubber, Vanilla	• Soil acidity • Imbalanced nutrient application • Non adoption of high yielding varieties • Untimely application of pesticides	• Soil reclamation • Introduction of high yielding varieties • Organic farming • Integrated Nutrient Management Approaches • Plant protection
	Belthangady	-	Machhina	2007-2010	Paddy, Arecanut, Coconut, Pepper, Banana, Vegetables, Jasmine, Cashew, Cocoa, Rubber, Vanilla	• Imbalanced nutrient application • Soil acidity • Lack of knowledge on management of pest and diseases	• Introduction of high yielding varieties • Organic farming • Integrated Nutrient Management Approaches • Soil reclamation
	Sullya	-	Ajjavara	2007-2010	Paddy, Arecanut, Coconut, Pepper, Banana, Vegetables, Jasmine, Cashew, Cocoa, Rubber, 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 • Employment generation activities • Value addition

2.7 **Priority thrust areas**

- Mechanization in Agriculture
- Integrated nutrient management approaches
- Integrated crop and Pest management approaches
- Soil reclamation
- Introduction of high yielding Varieties
- Rice based cropping system
- Plant Protection
- Weed Management
- Value addition to Agriculture and Horticulture produce
- Employment generation activities
- Water management
- Soil and water conservation
- Fish culture in farm ponds / Clay pits
- Organic farming

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
05	03	25	15	21	21	228	228

Training				Extension Activities			
3				4			
Number of Courses		Number of Participants		Number of activities		Number of participants	
Targets	Achievement	Targets	Achievement	Targets	Achievement	Targets	Achievement
70	70	2622	2622	1082	1082	3456	3456

Seed Production (Qtl.)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
79 (Paddy)	79 (Paddy)	850 coconut	850 coconut
		225 Papaya	225 Papaya
		190 Drumstick	190 Drumstick

Livestock (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
961 (Poultry birds)	961 (Poultry birds)	24.75 (earth worms)	24.75 (earth worms)
		500 (Vermicompost)	500 (Vermicompost)

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 live stock (No.)	Supply of bio products	
													No.	Kg
1.	• Nutrient management • Water management • Seed material	Paddy	• Loss of nutrient through leaching • Lack of knowledge on storage methods	• Split application of potassium in Paddy	• Integrated Nutrient Management in Paddy through STCR Approach • SRI method of Paddy cultivation • Integrated crop management in paddy • Storage of Paddy for seed purpose using METAL BINS and LDPE/HDPE Bags	08	-	-	Field Days-02 Seminar-01	79	-	-	-	-
2	• Nutrient management • Disease management • Pest management • Weed management • Disease management	Arecanut	Poor nutrient management Koleroga	• Management of Inflorescence die back disease in Arecanut	• Nutrient management in Arecanut • Application of tested lime based on soil test in Arecanut. • Weed management in Arecanut garden • Koleroga disease management in Arecanut • Root grub management in Arecanut	09	-	-	Seminar-01	-	-	-	-	-
4.	Organic waste recycling	Vermicompost	Under utilization of agricultural waste	-	• Production of enriched Vermicompost	02	-	-	Seminar-01	-	-	-	-	-
5.	No nutrient management	Cashew	Poor nutrient management	-	• Integrated crop management in cashew	03	-	-		-	-	-	-	-

6.	• Poor crop management practices	Banana	Poor nutrient management practices.	-	• Integrated crop management in Banana	01	-	-	Field day-1	-	-	-	-	-
7.	• Cultivation of local varieties	Cassava	Poor nutrient management	-	• Cultivation of high yielding Cassava variety	-	-	-	-	-	-	-	-	-
8.	Poor nutrient management	Ridge gourd	Low productivity	• Nutrient management in Ridge gourd	-	01	-	-	-	-	-	-	-	-
9.	Poor nutrient management	Ash gourd	Low productivity	-	• Nutrient management in Ash gourd	01	-	-	-	-	-	-	-	-
10.	Drudgery reduction	Drudgery	-	-	• Drudgery reducing weeding tool : SARALA KURPI	-	-	-	-	-	-	-	-	-
11.	• Utilization of weed fishes and predatory fishes as pray for cat fish • Utilization of Aquatic weeds as source of food for grass carp • Utilization of highly productive clay pits for fish culture • Poly culture of fish and fresh water prawn • Utilization of bunds space for the production of vegetables and fodder crops	Fisheries	• Catfish culture is not being practiced in Dakshina Kannada • Lack of knowledge on utilization of weed as food for fish • Clay pits are not being used for fish culture • Lack of knowledge on polyculture of fish and prawn • Integrated farming system is not being practiced.	-	• Culture of cat fish Clarius batracus in farm ponds/irrigation tanks. • Culture of Grass carp in weed infested ponds • Utilization of clay pits for fish culture • Polyculture of fish and prawn in farm ponds/irrigation tanks • Integrated farming system in farm ponds	06	-	-	Field day-2	-	-	-	-	-

12.	Less acceptance of Giriraja due to high fat content in older birds	Poultry	Popularization of variety	-	• Rearing of Swaranadhara Poultry birds	01	-	-	Field day-02	-	-	-	-	-

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	Field Day
1	2	3	4	5	6	7	8
1.	Split application of potassium in Paddy	UAS, Bangalore	Paddy	05	-	02	01
2.	Nutrient management in Ridge gourd	UAS, Bangalore	Ridge gourd	05	-	01	-
3.	Management of Inflorescence die back disease in Arecanut	UAS, Bangalore	Arecanut	05	-	02	-
4.	Integrated Nutrient Management in Paddy through STCR Approach	UAS, Bangalore	Paddy	-	10	01	-
5.	SRI method of Paddy cultivation	UAS, Bangalore	Paddy	-	12	01	-
6.	Integrated crop management in paddy	UAS, Bangalore	Paddy	-	10	03	01
7.	Storage of Paddy for seed purpose using METAL BINS and LDPE/HDPE Bags	UAS, Bangalore	Paddy	-	10	01	-
8.	Nutrient management in Arecanut	UAS, Bangalore	Arecanut	-	10	02	-
9.	Application of tested lime based on soil test in Arecanut	UAS, Bangalore	Arecanut	-	10	-	-
10.	Weed management in Arecanut garden	UAS, Bangalore	Arecanut	-	10	-	-
11.	Koleroga disease management in Arecanut	UAS, Bangalore	Arecanut	-	13	04	-
12.	Root grub management in Arecanut	UAS, Bangalore	Arecanut	-	10	-	-
13.	Production of enriched Vermicompost	UAS, Bangalore	Vermicompost	-	08	02	-
14.	Integrated crop management in cashew	UAS, Bangalore	Cashew	-	10	02	-
15.	Integrated crop management in Banana	UAS, Bangalore	Banana	-	05	01	01
16.	Cultivation of high yielding Cassava variety	CTCRI, Coimbatur	Cassava	-	05	-	-
17.	Nutrient management in Ash gourd	UAS, Bangalore	Ash gourd	-	10	01	
18.	Drudgery reducing weeding tool : SARALA KURPI	UAS, Dharwad	Drudgery	-	50	-	
19.	Culture of cat fish Clarius batracus in farm ponds/irrigation tanks.	UAS, Bangalore	Fisheries	-	05	-	
20.	Culture of Grass carp in weed infested ponds	UAS, Bangalore	Fisheries	-	05	01	

21.	Utilization of clay pits for fish culture	UAS, Bangalore	Fisheries	-	15	-	
22.	Polyculture of fish and prawn in farm ponds/irrigation tanks	UAS, Bangalore	Fisheries	-	05	04	02
23.	Integrated farming system in farm ponds	UAS, Bangalore	Fisheries	-	05	01	
24.	Rearing of Swaranadhara Poultry birds	KVAFSU, Bidar	Poultry	-	10	01	02

3. B2 contd..

No. of farmers covered															
OFT				FLD				Training				Field Day			
General		SC/ST		General		SC/ST		General		SC/ST		General		SC/ST	
M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
03	00	02	00	-	-	-	-	47	3	25	0	30	04	09	00
04	00	01	00	-	-	-	-	11	13	00	00	-	-	-	-
04	01	00	00	-	-	-	-	47	8	10	00	-	-	-	-
-	-	-	-	05	03	02	00	53	00	25	00	-	-	-	-
-	-	-	-	05	05	02	00	14	14	02	00	-	-	-	-
-	-	-	-	07	01	02	00	62	14	37	00	10	12	06	02
-	-	-	-	08	02	00	00	11	04	00	00	-	-	-	-
-	-	-	-	09	01	00	00	51	07	00	00	-	-	-	-
-	-	-	-	06	02	01	01	-	-	-	-	-	-	-	-
-	-	-	-	10	00	00	00	-	-	-	-	-	-	-	-
-	-	-	-	12	00	00	01	77	11	12	00	-	-	-	-
-	-	-	-	07	00	03	00	-	-	-	-	-	-	-	-
-	-	-	-	07	01	00	00	34	05	29	08	-	-	-	-
-	-	-	-	09	01	00	00	40	08	06	00	-	-	-	-
-	-	-	-	05	00	00	00	31	04	00	00	48	00	00	00
-	-	-	-	02	00	03	00	-	-	-	-	-	-	-	-
-	-	-	-	08	01	01	00	23	07	00	00	-	-	-	-
-	-	-	-	00	50	00	00	-	-	-	-	-	-	-	-
-	-	-	-	05	00	00	00	-	-	-	-	-	-	-	-
-	-	-	-	05	00	00	00	07	11	00	02	-	-	-	-
-	-	-	-	14	00	01	00	-	-	-	-	-	-	-	-
-	-	-	-	05	00	00	00	106	05	21	00	88	17	00	00
-	-	-	-	05	00	00	00	21	14	14	00	-	-	-	-
-	-	-	-	12	06	00	00	20	05	00	00	71	04	00	00

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	01	-	-	-	01	-	-	-	-	02
Varietal Evaluation										
Integrated Pest Management										
Integrated Crop Management										
Integrated Disease Management	-	-	-	-	-	-	-	01	-	01
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	**01**				**01**			**01**		**03**

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

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

Integrated Pest Management										
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: Nil

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

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

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

4.B. Achievements on technologies Assessed and Refined

4.B.1. Technologies Assessed under various Crops

Thematic areas	Crop	Name of the technology assessed	No. of trials	Area (ha)
Integrated Nutrient Management	Paddy	Split application of potassium in paddy	5	3.0
	Vegetable	Nutrient management in Ridge gourd	5	1.0
Varietal Evaluation				
Integrated Pest Management				
Integrated Crop Management				
Integrated Disease Management	Arecanut	Management of Inflorescence die back disease in Arecanut	5	5.0
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			**15**	**9.0**

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

Thematic areas	Crop	Name of the technology assessed	No. of trials	Area (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: Nil

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

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

Thematic areas	Name of the livestock enterprise	Name of the technology assessed	No. of trials
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. Split application of potassium in Paddy

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 done / needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Paddy	Rainfed	Leaching loss of Potassium due to heavy rain fall affects the crop growth and development which in turn responsible for reduction in the yield.	Split application of potassium in Paddy	05	Split application of potassium in Paddy	Grains/panicle	T1:143 T2:154 T3:162	3.21 3.44 3.77	• increased in the yield up to 17.5% • Less chaffy grains was observed	-	-

Contd..

Technology Assessed		Production (t/ha)	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13		14	15	16	17
Technology option 1 (Farmer's practice)	FYM: 2.0 t/ha. 125-150 kg complex fertilizer/ha.	3.21	t/ha	12350	1.54
Technology option 2	FYM: 5.0 t/ha. N:P:K:: 60:30:45kg/ha (Potassium given in 2 doses – 50% as basal dose and 50% as top dressing after one month along with nitrogen)	3.44	t/ha	16900	1.74
Technology option 3	FYM: 5.0 t/ha. N:P:K:: 60:30:45 kg/ha (Potassium given in 3 doses – 50% as basal dose and 25% top dressing after one month and remaining during panicle initiation stage)	3.77	t/ha	20200	1.89

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 done / needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Ridge gourd	Irrigated	Low productivity	Nutrient management in Ridge gourd	5	Nutrient management in Ridge gourd	Weight of fruit (Kg) No. of fruits per plant	0.68 18.0	10.08 (t/ha)	Increase in the yield with better, Keeping quality	-	-

Contd..

Technology Assessed		Production (t/ha)	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13		14	15	16	17
Technology option 1 (Farmer's practice)	Application of DAP 100 kg/ha at the time of planting and 50 kg urea after 35 days.	6.32	t/ha	30840	1.68
Technology option 2	Recommended dose of NPK (50:50:0 kg/ha in 2 splits +FYM	8.28	t/ha	54360	2.20
Technology option 3	Recommended dose of NPK: 75:25:25 kg/ha+ FYM	10.08	t/ha	75960	2.68

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

1. Split application of potassium in Paddy

Sl. No	Particulars	On Farm Trial
1	Title of Technology assessed	**Split application of potassium in Paddy**
2.	Problem Definition	• Poor nutrient management • Potash deficiency in paddy field • Lack of knowledge on potash management leaching loss of Potash due to heavy rainfall.
3.	Details of technologies selected for assessment	FYM: 2.0 t/ha. 125-150 kg complex fertilizer/ha. FYM: 5.0 t/ha. N:P:K:: 60:30:45kg/ha FYM: 5.0 t/ha. N:P:K:: 60:30:45 kg/ha
4.	Source of technology	UAS, Bangalore
5.	Production system and thematic area	Rainfed, Nutrient management
6.	Performance of the Technology with performance indicators	Recorded 20% increased in yield compared to farmers practice.
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	• Increased in the yield up to 18% • Less chaffy grains was observed
8.	Final recommendation for micro level situation	Application of RHA 2 tones per ha with recommended dose of fertilizer increase the yield and available Phosphorous content in the soil. Hence, technology well suited for coastal acidic soils
9.	Constraints identified and feedback for research	Transportation of rice hull ash from the Rice mills involves more expenditure.
10.	Process of farmers participation and their reaction	Farmers appreciated the technology and desired to adopt the same

Raw data about the performance of the Technology assessed with performance indicators
(Split application of potassium in Paddy)

Farmer No	Name of the farmer	Name of the Village	Data on the performance indicators of the technology assessed							
			Technology Option 1		Technology Option 2			Technology Option 3		
			Grains / panicle	Yield (Q/ha)	Grains / panicle	Yield (Q./ha)	% increased	Grains / panicle	Yield (Q./ha)	% increased
1.	Hameed Kajur Village Belthangadi Taluk	Kajur	134	32.0	152	33.64	5.12	172	36.84	9.51
2.	Ibrahim Kajur Village Belthangadi Taluk	Kajur	146	33.0	156	34.20	3.6	168	36.65	7.16
3.	Thungappa Kajur Village Belthangadi Taluk	Kajur	153	30.5	150	32.50	6.5	173	36.00	10.76
4.	Gopal Gowda Kajur Village Belthangadi	Kajur	139	31.0	153	35.25	13.70	170	38.00	7.80
5.	Seenappa Gowda Kajur Village Belthangadi Taluk	Kajur	142	34.0	160	36.41	7.0	173	41.01	12.63
		Average	**142**	**32.10**	**154**	**34.40**	**7.18**	**171**	**37.70**	**9.57**

1. Nutrient management in Ridge gourd

Sl. No	Particulars	On Farm Trial
1	Title of Technology assessed	**Nutrient management in Ridge gourd**
2.	Problem Definition	• Low productivity
3.	Details of technologies selected for assessment	Application of DAP 100 kg/ha at the time of planting and 50 kg urea after 35 days. Recommended dose of NPK (50:50:0 kg/ha in 2 splits +FYM Recommended dose of NPK: 75:25:25 kg/ha+ FYM
4.	Source of technology	UAS, Bangalore
5.	Production system and thematic area	Irrigated, Poor nutrient management
6.	Performance of the Technology with performance indicators	Recorded 59.5% increased in yield compared to farmers practice.
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	Increase in the yield with better, Keeping quality
8.	Final recommendation for micro level situation	Use of recommended dose of NPK @ 75:25:25 kg/ha with FYM gives better yield and quality.
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

Raw data about the performance of the Technology assessed with performance indicators
(Nutrient management in Ridge gourd)

Farmer No	Name of the farmer	Name of the Village	Data on the performance indicators of the technology assessed								
			Technology Option 1			Technology Option 2			Technology Option 3		
			Wt. of fruit (Kg)	No. of fruits/plant	Yield (ton/ha)	Wt. of fruit (Kg)	No. of fruits/plant	Yield (ton/ha)	Wt. of fruit (Kg)	No. of fruits/plant	Yield (ton/ha)
1.	Shridar Poojary	Kariyangala	0.54	15	6.5	0.73	15	8.8	0.68	18	9.8
2.	Raghavendra	Kariyangala	0.48	15	5.8	0.66	16	8.5	0.67	19	10.2
3.	Ananda	Kariyangala	0.56	14	6.3	0.58	17	8.0	0.69	19	10.5
4.	Mahesh Devadiga	Kariyangala	0.62	14	7.0	0.60	16	7.8	0.69	18	10.0
5.	Ramanna Poojary	Kariyangala	0.50	15	6.0	0.64	16	8.3	0.68	18	9.9
		Average	**0.54**	**14.6**	**6.32**	**0.64**	**16.0**	**8.28**	**0.68**	**18.4**	**10.08**

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	Any refinement done	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12

Contd..

Technology Refined	Production	Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year)	Net Return (Profit) in Rs. / unit	BC Ratio
13	14	15	16	17
Technology option 1 (Farmer's practice)				
Technology option 2				
Technology option 3				

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

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 indicators
7. Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques
8. Final recommendation for micro level situation
9. Constraints identified and feedback for research
10. Process of farmers participation and their reaction

PART V - FRONTLINE DEMONSTRATIONS

5.A. Summary of FLDs implemented during 2009-10

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area	Technology Demonstrated	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
									Proposed	Actual	SC/ST	Others	Total	
	Oilseeds	Rainfed with protective irrigation	Rabi/summer 2009-10	Sesamum	Navile-1	-	Residual moisture utilization	Production technology	10	10	00	13	13	-
	Pulses	Rainfed with protective irrigation	Rabi/summer 2009-10	Black gram	TAU-1	-	Residual moisture utilization	Production technology	10	10	03	22	25	-
	Cereals	Rainfed	Kharif 2009-10	Paddy	MO-4	-	Nutrient management	Integrated Nutrient Management in Paddy through STCR approach	5.0	5.0	02	08	10	-
		Rainfed	Rabi 2009-10	Paddy	MO-4	-	Water management	SRI Method of Paddy cultivation	5.0	5.0	02	10	12	-
		Rainfed	Kharif 2009-10	Paddy	MO-4	-	Nutrient management	Integrated Crop Management in Paddy	5.0	5.0	02	08	10	-
		-	Summer 2009-10	Paddy	MO-4	-	Storage technique	Storage of Paddy for seed purpose using Metal Bins and LDPE/HDPE bags	-	-	00	10	10	-
														-
														-
	Millets													-
														-
	Vegetables	Protective Irrigation	Rabi-2009-10	Cassava	Sree vijaya		Introduction new variety	Cultivation of high yielding of varieties	0.1	0.1	03	02	05	-
			Rabi-2009-10	Ash gourd	local		Nutrient management	Nutrient management in Ash gourd	2.0	2.0	01	09	10	-
	Flowers													
	Ornamental													
	Fruit	Rainfed/protective irrigation	Rabi-2009	Banana	G-9	-	Crop management	Integrated crop management in Banana	1.0	1.0	00	05	05	-
	Spices and condiments													

	Commercial													
	Medicinal and aromatic													
	Fodder													
	Plantation	Rainfed/protective irrigation	Kharif/Rabi-2009-10	Arecanut	Sumangala	-	Weed management	Weed management in Arecanut garden	5.0	5.0	00	10	10	-
		Rainfed with protective irrigation	Kharif/Rabi-2009-10	Arecanut	Sumangala	-	Nutrient management	Nutrient management in Arecanut	2.0	2.0	00	10	10	-
		Rainfed with protective irrigation	Kharif/Rabi-2009-10	Arecanut	D.K. local	-	Management of acidic soil	Application of tested lime based on soil test in Arecanut	2.0	2.0	02	08	10	-
		Rainfed with protective irrigation	Kharif/Rabi-2009-10	Arecanut	D.K. local	-	Insect management	Management of root grub in Arecanut	4.0	4.0	03	07	10	-
		Rainfed with protective irrigation	Kharif -2009-10	Arecanut	D.K. local	-	Disease management	Koleroga management in Arecanut	5.0	5.0	01	12	13	-
		Rainfed with protective irrigation	Kharif/Rabi-2009-10	Cashew	Ullal-1	-	crop management	Integrated crop management in Cashew	2.0	2.0	00	10	10	-
	Fibre													
	Dairy													
	Poultry	-	Rabi-2009-10	Poultry	swarnadhara	-	Popularization of variety	Rearing of Swarnadhara poultry birds	-	-	00	18	18	-
	Rabbitry													
	Pigerry													
	Sheep and goat													
	Duckery													

	Common carps	Rainfed	Kharif-2009-10	Fish	Catla, Rohu & common carp	-	Utilization of highly productive clay pits for fish culture	Utilization of clay pits for fish culture	5.0	7.5	01	14	15	-
		Rainfed	Kharif-2009-10	Fish	Grass carp & Common carp	-	Utilization of aquatic weeds as food for grass carp	Culture of grass carp in weed infested ponds	0.5	0.5	00	05	05	-
		Rainfed	Kharif-2009-10	Fish	Catla, Rohu & prawn	-	Poly culture of fish and fresh water prawn	Poly culture of fish and prawn in farm ponds / irrigation tanks	0.5	0.5	00	05	05	-
		Rainfed	Kharif-2009-10	Fish	Catla, Rohu & common carp	-	Utilization of bunds space for the production of vegetable crops	Integrated farming system in farm ponds	0.5	0.5	00	05	05	-
	Catfish	Rainfed	Kharif-2009-10	Fish	Clarius batrachus	-	Utilization of weed and predatory fishes as prey for catfish	Culture of catfish Clarius batrachus in farm ponds/irrigation tanks	0.5	0.5	00	05	05	-
	Mussels													
	Ornamental fishes													
	Oyster mushroom													
	Button mushroom													
	Vermicompost	-	Eudrilus eugenia	-	Eudrilus eugenia		Utilization of organic waste for vermicompost	Production of enriched Vermicompost	10.0	10.0	00	08	08	-
	Sericulture													

	Apiculture													
	Implements													
	Others (specify)	-	Kharif/Rabi/Summer	-	-	-	Drudgery reduction	Drudgery reducing weeding tool: Sarala Kurpi	-	-	00	50	50	-

5.A. 1. Soil fertility status of FLDs plots during 2009-10

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	
	Oilseeds	Rainfed with protective irrigation	Rabi/summer 2009-10	Sesamum	Navile-1	-	Utilization of residual moisture	Production technology	Rabi 2009-10	M	M	L	Paddy
	Pulses	Rainfed with protective irrigation	Rabi/summer 2009-10	Black gram	TAU-1	-	Utilization of residual moisture	Production technology	Rabis 2009-10	M	M	L	Paddy
	Cereals	Rainfed	Rabi-2009-10	Paddy	MO-4	-	Water management	SRI Method of Paddy cultivation	Rabi-2009-10	M	H	L	Paddy
		Rainfed	Kharif-2009-10	Paddy	MO-4	-	Nutrient management in paddy	Integrated Crop Management in Paddy	Kharif-2009-10	M	H	L	Paddy
		Rainfed	Kharif-2009-10	Paddy	MO-4	-	Nutrient management in paddy	Integrated Nutrient Management in Paddy through STCR approach	Kharif-2009-10	M	H	L	Paddy
		-	Summer 2009-10	Paddy	MO-4	-	Storage technique	Storage of Paddy for seed purpose using Metal Bins and LDPE/HDPE bags	-	-	-		-
	Millets												
	Vegetables	Protective irrigation	Rabi 2009-10	Cassava	Sree Vijaya	-	Introduction of new variety	Cultivation of high yielding cassava variety	Rabi 2009-10	M	M	L	Bhendi
		Protective irrigation	Rabi 2009-10	Ashgourd	local	-	Nutrient management	Nutrient management in Ash gourd	Rabi 2009-10	M	M	L	Paddy
	Flowers												
	Ornamental												

	Fruit												
	Spices and condiments												
	Commercial												
	Medicinal and aromatic												
	Fodder												
	Plantation	Rainfed/protective irrigation	Rabi 2009-10	Arecanut	Sumangala	-	Weed management	Weed management in Arecanut garden	Rabi 2009-10	M	M	L	-
		Rainfed/protective irrigation	Rabi 2009-10	Arecanut	Sumangala	-	Nutrient management	Nutrient management in Arecanut	Rabi 2009-10	M	M	L	-
		Rainfed/protective irrigation	Rabi 2009-10	Arecanut	D.K. local	-	Management of acidic soil	Application of tested lime based on soil test in Arecanut	Rabi 2009-10	M	M	L	-
		Rainfed/protective irrigation	Kharif 2009-10	Arecanut	D.K. local	-	Insect management	Management of root grub in Arecanut	Kharif 2009-10	M	M	L	-
		Rainfed/protective irrigation	Kharif 2009-10	Arecanut	D.K.local	-	Disease management	Koleroga management in Arecanut	Kharif 2009-10	M	M	L	-
	Cashew	Rainfed	Rabi-2009-10	Cashew	Ullal-1	-	Crop management	Integrated crop management in Cashew	Rabi-2009-10	M	M	L	-
	Fibre												

5. B. Results of Frontline Demonstrations

5. B.1. Oilseeds:

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										
Sesamum	Production technology	Navile -1	-	Rainfed with protective irrigation	10	10	2..84	2.58	2.74	1.92	42.70	7000	16440	9440	2.34	7000	11520	4520	1.64
	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

Data on additional parameters other than yield (viz., reduction of percentage in weed/pest/diseases etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Local**
No. of Pods/plant	36 Pods/Plant	17 Pods/Plant

5. B.2. Pulses

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										
Black gram	Production technology	TAU-1		Rainfed with protective irrigation	25	10	4.98	4.25	4.78	3.78	26.45	9000	23900	14900	2.65	9000	18900	9900	2.1
	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

Data on additional parameters other than yield (viz., reduction of percentage in weed/pest/diseases etc.)

Data on other parameters in relation to technology demonstrated		
Parameter with unit	**Demo**	**Local**
No. of Pods/plant	32 Pods/Plant	15 Pods/Plant

5. B.3.

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										
Cereals																			
Paddy	SRI method of paddy cultivation	MO-4	-	Rainfed	10	5	59.41	47.90	51.40	39.98	65.91	18750	48690	29940	2.59	22500	38983	16483	1.73
	Integrated nutrient management based on soil test value	MO-4	-	Rainfed	10	5	39.27	35.00	36.65	31.00	18.25	22500	36652	14152	1.62	22500	31850	9350	1.41
	Integrated crop management in paddy	MO-4	-	Rainfed	10	5	44.15	38.50	40.60	33.33	21.81	22500	45070	22570	2.0	22500	38163	15663	1.69
Millets																			
Vegetables																			
Cassava	Cultivation of high yielding cassava variety	Sree vijaya	-	Protective irrigation	05	0.1	342	286	319.8	242.8	31.71	22000	95940	73940	4.36	19000	72840	53840	3.83
Ash gourd	Nutrient management in Ash gourd	local	-	Protective irrigation	10	2.0	248.0	186.0	237.90	184.20	29.15	45000	285480	240480	6.34	42000	221040	179040	5.26
Flowers																			
Ornamental																			
Fruit																			
Banana	Integrated crop management in banana	Grand naine	-	Rainfed/Protected irrigation	05	1.0	440.2	275	388.6	262.40	48.09	53500	233160	179660	4.35	47000	157440	110440	3.34
Spices and condiments																			
Commercial																			
Medicinal and aromatic																			
Fodder																			
Plantation																			
Arecanut	Weed management in Arecanut garden	Sumangala		Rainfed/protective irrigation	10	5.0	27.0	16.50	22.24	16.62	33.81	35000	144560	109560	4.13	32000	108030	76030	3.37
	Nutrient management in Arecanut	Sumangala		Rainfed/protective irrigation	10	2.0	28.9	18.00	25.69	18.09	41.95	35000	166985	131985	4.77	32000	117585	85585	3.67

	Management of root grub in Arecanut	Mangala & D.K. local		Rainfed/protective irrigation	10	4.0	12.00	8.00	9.8	6.15	59.34	37000	63700	26700	1.72	37000	39975	2975	1.08
	Koleroga management in Arecanut	Mangala & D.K. local		Rainfed/protective irrigation	13	5.0	37	30	32.90	26.92	22.30	36000	197400	161400	5.48	41000	161520	125520	3.93
Cashew	Integrated crop management in Cashew	Ullal-1		Rainfed/protective irrigation	10	2.0	16.50	11.20	12.40	6.50	90.61	12250	37200	24950	1.3	9800	19500	9700	1.98
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

Data on additional parameters other than yield (viz., reduction of percentage in weed/pest/ diseases etc.)

Data on other parameters in relation to technology demonstrated			
Parameter with unit		Demo	Local
Cereals			
Paddy	SRI method of paddy cultivation **Grains/panicle**	307	150.69
	Integrated nutrient management based on soil test value **Grains/panicle**	162.5	147.8
	Integrated crop management in paddy **Grains/panicle**	164.5	151.3
Vegetables			
Cassava	Cultivation of high yielding cassava variety	-	-
Ash gourd	Nutrient management in Ash gourd **Fruit weight (Kg)**	10	4
Fruit			
Banana	Integrated crop management in banana **Bunch weight (Kg)**	32	18
Plantation			
Arecanut	Weed management in Arecanut garden **No. of nut drops per plant**	8.00	15.50
	Nutrient management in Arecanut **No. of nut drops per plant**	6.80	14.50
	Application of tested lime based on soil test in Arecanut	-	-
	Integrated root grub management in Arecanut **No. of bunches per plant**	4.62	1.82
	Koleroga management in Arecanut **No. of bunches infected per plant**	0.67	1.89
Cashew	Integrated crop management in Cashew **No. of nuts per Kg**	150	112

5.B.4. Livestock: Nil

Type of livestock	Name of the technology demonstrated	Breed	No. of Demo	No. of Units	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										
Dairy																	
Poultry	* Rearing of Swarnadhara poultry birds	Swarnadhara	10	-	3.2 kg/bird	1.9 kg/bird	2.71 kg/bird	0.9 kg/bird	201.00	Rs. 80/bird	Rs. 271/bird	Rs. 191/bird	3.38	Rs. 35/bird	Rs. 108/bird	Rs. 73/bird	3.08
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (pl.specify)																	

* Rearing period for Swarnadhara is around 4 months while, for local bird it is around 6 months.

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**	**Local**

5.B.5. 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./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										
Common carps	Utilization of clay pits for fish culture	Catla, Rohu & Common carp	15	5000	4.58	3.18	3.65	-	-	7000	18274	11274	2.61	Fish culture was done for the first time in clay pits			
	Culture of grass carp in weed infested ponds	Grass carp & Common carp	05	1000	16.95	13.24	15.37	12.50	22.96	30000	75852	45852	2.53	28000	62500	34500	2.23
	* Integrated farming system in farm ponds	Catla, Rohu & Common carp	05	1000	21.18	17.83	19.98	12.50	59.81	40000	99900	59990	2.50	26000	60500	32500	2.33
Catfish	Culture of catfish Clarius batrachus in farm ponds/irrigation tanks	Catfish	05	1000	1.81	1.50	1.62	-	-	18000	24234	6234	1.35	Catfish culture was done for the first time in Dakshina Kannada			
Mussels																	
Ornamental fishes																	
Others (pl.specify)																	

* Additional income of Rs. 800-1100 has been generated by the farmers by growing vegetables on pond bunds.

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**	**Local**

5.B.6. 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./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										
Oyster mushroom																	
Button mushroom																	
Vermicompost																	
Sericulture																	
Apiculture																	
Others (pl.specify)																	

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

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

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

5.B.7. Farm implements and machinery : Nil

Name of the implement	Name of the technology demonstrated	No. of Demo	Units/ Area (m^2}	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										

* 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 in drudgery, time and labour saving etc.)

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

5.B.8. Cotton: Nil

Summary of demonstrations conducted under FLD cotton

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										

Production technology demonstrations

Performance of demonstrations

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 2009-10

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																	

Integrated pest management demonstrations

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

Demonstrations on farm implements

Name of the implement	Area (Ha)	No. of Demo.	Name of the technology demonstrated	Details on parameters		
				Demo	Local check	BCR
Total						

Extension Programmes organized in Cotton Demonstration Plots

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							
Video show							
Newspaper coverage							
Popular articles							
Publication							
Radio talks							
T.V. Programme							
Others (Pl.specify)							
TOTAL							

Technical Feedback on the demonstrated technologies on all crops / enterprise

S. No	Crop / Enterprise	Name of the technology demonstrated	Feed Back
1.	Sesamum	Production technology	The introduced variety (Navile-1) performed better in yield than the local variety.
2.	Black gram	Production technology	The introduced variety (TAU-9) black gram performed better in pod yield than the local variety.
3.	Green gram	Production technology	The introduced variety (Rashmi) performed slightly better in yield than the local variety.
4.	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 with water savings than the normal method of paddy cultivation.
5.	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 sustained the yield.
6.	Arecanut	Integrated root grub management in Arecanut	Timely application of Phorate 25 gm/plant during May-June and drenching of Chloropyriphos 5ml/ltr. (2-3ltr/plant) during September reduced root grub incidence and increase the vigour of the plant
7	Arecanut	Koleroga management in Arecanut	Scientific way of preparation and spraying of 1% Bordeaux mixture before 1st rain and at the interval of 15-20 days reduces disease incidence.

Farmers' reactions on specific technologies

S. No	Crop / Enterprise	Name of the technology demonstrated	Feed Back
1.	Sesamum	Production technology	Farmers felt that the new variety Navile-1 and scientific cultivation practices has increased the yield of Sesamum over the local variety and traditional methods. Farmers agreed to adopt the variety and cultivation practices and disseminate the same to the neighbouring farmers.
2.	Black gram	Production technology	Farmers felt the scientific cultivation of black gram can increase the yield over traditional method. Further the farmer willing to continue the scientific cultivation practices in black gram in future.
3.	Green gram	Production technology	Farmers felt the scientific cultivation of green gram can increase the yield over traditional method. Further the farmer willing to continue the scientific cultivation practices in green gram in future.
4.	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 over come by use of conoweeder. The farmers are willing to adopt it and agree to disseminate the same to the neighbouring farmers.
5.	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.
6.	Arecanut	Integrated root grub management in Arecanut	Farmers opined that timely application of Phorate and Chloropyriphos reduced root grub incidence and plant may regain the vigour and yield.
7.	Arecanut	Koleroga management in Arecanut	Farmers felt that 1% Bordeaux mixture is the cheapest and effective chemical for controlling Koleroga disease. Scientific way of preparation and taking care in spraying will enhances the effectiveness of chemical.

Extension and Training activities under FLD

Sl. No.	Activity	No. of activities organized	Number of participants	Remarks
1.	Field days	06	268	-
2.	Farmers Training	30	979	-
3.	Media coverage	91	-	-
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																	
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																		

H-High L-Low, A-Average

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										
Crop Diversification										
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production										
Nursery management										
Integrated Crop Management										
Soil and Water Conservation										
Integrated Nutrient Management										
Production of organic inputs										
Mechanization	1	25	00	25	02	00	02	27	00	27
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	1	25	01	26	00	00	00	25	01	26
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										
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	1	20	05	25	00	00	00	20	05	25
Piggery Management	1	72	06	78	09	02	11	81	08	89
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	3	03	115	118	00	10	10	03	125	128
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	11	06	17	06	02	08	17	08	25
Integrated Disease Management	1	31	05	36	00	00	00	31	05	36
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl. specify)										
Fisheries										
Integrated fish farming	1	35	03	38	08	00	08	43	03	46
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture	1	27	00	27	02	00	02	29	00	29
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes	1	25	00	25	00	00	00	25	00	25
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										
Apiculture										
Others (pl.specify)										
Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										
Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
TOTAL	**12**	**274**	**141**	**415**	**27**	**14**	**41**	**301**	**155**	**456**

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										
Cropping Systems										
Crop Diversification										
Integrated Farming										
Micro Irrigation/Irrigation										
Seed production										
Nursery management	1	15	11	26	12	00	12	27	11	38
Integrated Crop Management	9	324	67	391	86	12	98	410	79	489
Soil and Water Conservation										
Integrated Nutrient Management										
Production of organic inputs	3	89	10	99	0	0	0	89	10	99
SRI method of paddy cultivation	1	14	14	28	02	00	02	16	14	30
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	1	11	13	24	00	00	00	11	13	24
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	2	54	11	65	0	0	0	54	11	65
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	5	99	37	136	16	2	18	115	39	154
Processing and value addition										
Farm Mechanization	1	35	00	35	00	00	00	35	00	35
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
f) Spices										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
g) Medicinal and Aromatic Plants										
Nursery management										

Production and management technology										
Post harvest technology and value addition										
Others (pl.specify)										
Soil Health and Fertility Management										
Soil fertility management	1	53	00	53	25	00	25	78	00	78
Integrated water management										
Integrated nutrient management										
Production and use of organic inputs	2	34	5	39	29	8	37	63	13	76
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing										
Others (pl.specify)										
Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management										
Feed and Fodder technology										
Production of quality animal products										
Animal Health Campaign	2	59	21	80	08	00	08	67	21	88
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	1	11	04	15	00	00	00	11	04	15
Value addition	12	06	356	362	0	12	12	06	368	374
Women empowerment										
Location specific drudgery production										
Rural Crafts										
Women and child care										
Others (pl. specify)										
Agril. Engineering										
Farm machinery and its maintenance										
Installation and maintenance of micro irrigation systems										
Use of Plastics in farming practices										
Production of small tools and implements										
Repair and maintenance of farm machinery and implements										
Small scale processing and value addition										
Post Harvest Technology										
Others (pl.specify)										
Plant Protection										
Integrated Pest Management										
Integrated Disease Management	5	93	14	107	22	00	22	115	14	129
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	4	72	27	99	25	02	27	97	29	126

Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes	2	93	46	139	11	00	11	104	46	150
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition	1	16	19	35	3	3	6	19	22	41
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										
Apiculture										
Others (pl.specify)										
Capacity Building and Group Dynamics										
Leadership development										
Group dynamics										
Formation and Management of SHGs										

Mobilization of social capital										
Entrepreneurial development of farmers/youths										
Others (pl.specify)										
Agro-forestry										
Production technologies										
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
TOTAL	**53**	**1078**	**655**	**1733**	**239**	**39**	**278**	**1317**	**694**	**2011**

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	1	20	10	30	00	00	00	20	10	30
Management in farm animals										
Livestock feed and fodder production										
Household food security	1	00	23	23	00	03	03	00	26	26
Any other (pl.specify)										
Total	**2**	**20**	**33**	**53**	**00**	**03**	**03**	**20**	**36**	**56**

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

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

7.G. Sponsored training programmes:

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**	3	89	10	99	0	0	0	89	10	99
5	**Methods of protective cultivation**										
6	**Others (pl.specify)**										
7	**Post harvest technology and value addition**										
7.a.	Processing and value addition										
7.b.	Others (pl.specify)										
8	**Farm machinery**										
8.a.	Farm machinery, tools and implements										
8.b.	Others (pl.specify)										
9.	**Livestock and fisheries**										
10	**Livestock production and management**										
10.a.	Animal Nutrition Management										
10.b.	Animal Disease Management										
10.c	Fisheries Nutrition										
10.d	Fisheries Management										
10.e.	Others (pl.specify)										
11.	**Home Science**										
11.a.	Household nutritional security										
11.b.	Economic empowerment of women										
11.c.	Drudgery reduction of women										
11.d.	Others (pl.specify)										
12	**Agricultural Extension**										
12.a.	Capacity Building and Group Dynamics										
12.b.	Others (pl.specify)										
	Total	**3**	**89**	**10**	**99**	**0**	**0**	**0**	**89**	**10**	**99**

Details of sponsoring agencies involved

1. NABARD –Project: "Empowerment of Rural Youth's and Self Help Group's through training and demonstrations on Vermicompost Production Technology"

2.

3.

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										
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	7	245	37	282	15	02	17	00	00	00
Field Day (RKVY)	2	84	11	95	08	05	13	00	00	00
Kisan Mela	1	150	84	234	36	15	51	00	00	00
Kisan Ghosthi	-	-	-	-	-	-	-	-	-	-
Exhibition	2	253	172	425	25	10	35	23	17	40
Film Show	-	-	-	-	-	-	-	-	-	-
Method Demonstrations	22	214	408	622	45	23	64	00	00	00
Farmers Seminar	6	189	131	320	19	14	33	0	0	0
Halasina Mela (Seminar cum Exhibition)	1	120	380	500	00	00	00	00	00	00
Workshop	-	-	-	-	-	-	-	-	-	-
Group meetings	-	-	-	-	-	-	-	-	-	-
Lectures delivered as resource persons	-	-	-	-	-	-	-	-	-	-
Newspaper coverage	64	-	-	-	-	-	-	-	-	-
Radio talks	08	-	-	-	-	-	-	-	-	-
TV talks	-	-	-	-	-	-	-	-	-	-
Popular articles	17	-	-	-	-	-	-	-	-	-
Extension Literature	04	-	-	-	-	-	-	-	-	-
Advisory Services	248	188	40	228	00	00	00	20	00	20
Scientific visit to farmers field	93	72	21	93	00	00	00	00	00	00
Farmers visit to KVK	712	650	62	712	00	00	00	00	00	00
Diagnostic visits	0	0	0	0	0	0	0	0	0	0
Exposure visits (RKVY)	3	54	00	54	08	00	08	00	00	00
Exposure visits (FFS)	2	09	30	39	00	00	00	00	00	00
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0
Soil health Camp	0	0	0	0	0	0	0	0	0	0
Animal Health Camp	1	125	25	150	00	00	00	00	00	00
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	1	03	00	03	45	03	48	00	00	00
World Environmental Day	1	22	02	24	01	00	01	00	00	00
Nutrition week	1	03	28	31	00	00	00	00	00	00
Total	**1082**	**2167**	**1023**	**3190**	**157**	**49**	**206**	**43**	**17**	**60**

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	MO-4, Champaka, Jyothi	-	92	10450.00 (Net returns)	75
Oilseeds						
Pulses						
Commercial crops						
Vegetables						
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						
Others (specify)						
Total						

9.B. Production of planting materials by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Number	Value (Rs.)	Number of farmers to whom provided
Commercial						
Vegetable seedlings	Drumstick	PKM-1		190 nos.	1900.00	45
Fruits	Papaya	Red Lady		225 nos.	3375.00	40
Ornamental plants						
Medicinal and Aromatic						
Plantation	Coconut	WCT and COD		850 nos.	29750.00	60
Spices						
Tuber		.				
Fodder crop saplings						
Forest Species						
Poly house (Gerbera)	Gerbera	African Daicy		1809 flowers	5427.00	-
Total					**40452.00**	**160**

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				
Bio Agents				
Vermicompost	Vermicompost	500	4000	5
Earth worms	Earth worms	24.75	9600	15
Total		**524.75**	**13600**	**20**

9.D. Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	Number of farmers to whom provided
Dairy animals				
Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Giriraja bird	Giriraja	961	36180.00 (Net returns)	60
Piggery				
Piglet				
Others (Pl.specify)				
Fisheries				
Fingerlings				
Others (Pl. specify)				
Total			36180.00 (Net returns)	

PART X – PUBLICATION, SUCCESS STORY, SWTL

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	-	-	
Technical reports	-	-	
News letters	Krishi Sanjeevini	Dr. H. Hanumanthappa, Dr. G. Nagesha, Dr. Jayashree S., Dr. Rajesh K.M., Dr. Parashurama Chandravanshi, Dr. Raviraja Shetty G. Dr. Sharanabasappa	100
Technical bulletins	Halasina besaya hagu maoulavardane	Dr. Jayashree S., Dr. H. Hanumanthappa, Dr. G. Nagesha,	1
Popular articles	Utthama Arogyakke Khanijamshagalu	Dr. Jayashree S., Dr. H. Hanumanthappa, Dr. G. Nagesha,	1
	Beeja bittuva dinadande vayide oppndadalli maratada avakashagalu	Dr. G. Nagesha, Dr. H. Hanumanthappa, Dr. Jayashree S.	1
	Hannugala samrakshane mattu saskarane	Dr. Jayashree S., Dr. H. Hanumanthappa, Mr. Srinivasa N.	1
	Krishiyalli maahiti tantrajnaana.	Dr. G. Nagesha, Dr. H. Hanumanthappa, Dr. Jayashree S., Mr. Srinivasa N.	1
	Jack of all fruits	Dr. Jayashree S., Dr. H. Hanumanthappa	1
	Azolla ondu uttama jaivika gobbara	Dr. G. Nagesha, Dr. H. Hanumanthappa	1
	Parivarthita beeleyaagi karavalige pasarisid beebicorn krishi	Dr. Parashurama Chandravanshi, Dr. Rajesh K.M., Dr. H. Hanumanthappa	1
	Mungaru hangaamina munche raitaru kaigollabeekaada atyawashaka krishi chativatikegalu	Dr. Parashurama Chandravanshi, Dr. H. Hanumanthappa	1
	Karawali pradeshadalli raitarige mannu parikshage sooktha samay, maadari sagrahanaa vidhaanagalu	Dr. Parashurama Chandravanshi, Dr. H. Hanumanthappa	1
	Fish culture in clay pits	Dr. Rajesh K.M., Parashurama Chandravanshi and Mridula	1
	Polyculture of fish: concepts and prospectus	Dr. Rajesh K.M	1
	Integrated fish farming	Dr. Rajesh K.M.	1
	Aquarium fabrication and importance of ornamental fish rearing	Dr. Rajesh K.M. and Mridula Rajesh	1
	Ornamental fish diseases and their management	Dr. Rajesh K.M. and Mridula Rajesh	1
	Adike beleya samagra chitrana	Dr. Raviraj Shetty and Karthik	1

	Shrigandha	Dr. Raviraj Shetty and Karthik	1
	Sarvaroga nivaarane bevu	Dr. Raviraj Shetty and Chandregowda	1
Extension literature	Geru hannina moulyavarditha uthpannagalu	Dr. Jayashree S., Dr. H. Hanumanthappa, Dr. G. Nagesha,	500
	Trichoderma ondu ashadhayaka shileendranashaka	Dr. Sharanabasappa, Dr. H. Hanumanthappa, Dr. Raviraj Shetty G.	500
	Peede nashakagala bagge namagestu gottu?	Dr. Sharanabasappa, Dr. H. Hanumanthappa, Dr. Raviraj Shetty G.	500
	Baaleyalli baruva keeta mattu rogagalu haagu avugala nirvahane	Dr. Sharanabasappa, Dr. H. Hanumanthappa, Dr. Raviraj Shetty G.	500
TOTAL	**15**		

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).

Title: **Inflorescence dieback disease management in Arecanut: A case study**

a) **Name and Address of KVK:** Krishi Vigyan Kendra, Dakshina Kannada
Post Box No. 515, Ekkur, Kankanady, Mangalore-575002

b) **Title of the case study:** A case study on Inflorescence dieback disease management in Arecanut

c) **Situation / background:** Arecanut is one of the principle crops in Dakshina Kannada district covering about 27,388 ha under cultivation. It stands in 3rd position after paddy and cashew in terms of area under cultivation in Dakshina Kannada district. Among different diseases affecting arecanut, inflorescence dieback disease is predominant one causing severe damage and intern reduces the production significantly. The same problem was expressed by farmers representatives in Scientific Advisory Committee meeting of KVK held on 22.07.2009. Hence, KVK planned

to refine the technology for the management of inflorescence dieback disease in Arecanut approved by University of Agricultural Sciences, Bangalore.

d) Technology /Process/ Programme activities / Response / Intervention:

e) Krishi Vigyan Kendra Scientists selected progressive and responsive farmers for conducting On-farm Testing

T-1: Farmers practice i.e. no management practice

T-2: Mancozeb 2.5 g / lit at the time of opening of female flower

T-3: Removal of infected inflorescence / plant debris, Spraying of Zineb -4g / lit at the time of opening of female flower and after 30 days repeat the same.

Krishi Vigyan Kendra (DK), Kankanady, Mangalore had organized 3 off campus training programmes in collaboration with Horticulture department and NGO's like SKDRDP on plant protection aspects in Arecanut giving more emphasis management of inflorescence dieback disease in Arecanut in Nada village of Belthangady taluk. Responsive and interested Arecanut growers were selected for on-farm testing of inflorescence dieback disease management in Arecanut after the first training programme. Critical inputs needed for implementation of this OFT was provided in time and necessary guidance was given from time to time. Technical guidance was given to the demonstrating farmer in collaboration with CPCRI, Vittal. Demonstration on preparation of fungicide solution and method of spraying was organized at the time of spraying of fungicides during second training programme. It was found that Inflorescence dieback disease managed effectively in T-3 than T-2 and T-1. During this stage, KVK in collaboration with AIR, Mangalore organized farmer's interview programme for successful management of inflorescence dieback disease in Arecanut. Field day was organized by involving development department officials, NGOs and local institutions. About 75 farmers participated in the programme and benefited.

e) Effect of the technology / Results / Impact:

Management of Inflorescence dieback disease in Arecanut

Crop	Title	No. of farmers	Area (ha)	Yield (t/ ha)	% increase in yield over farmers practice	BC Ratio
Arecanut	Management of inflorescence dieback disease in Arecanut	5	3	T-1: 1.34	-	2.98
				T-2: 1.97	47.01	3.92
				T-3: 2.29	70.89	4.45

From the result, it was found that sanitation and spraying of Zineb @ 4g / lit of water at the time of opening of female flower was yielded 2.29 t / ha. Spraying of Mancozeb @ 2.5 g/ lit of water at the time of opening of female flower was yielded 1.97 t / ha and found better than non-spraying farmers practice plot. About 47.01 per cent and 70.89 per cent increase in yield was observed in T-2 and T-3 respectively over farmers practice.

It was indicated that, sanitation and spraying of recommended dose of Zineb at the time of opening of female flower and 30 days after first spray yielded 2.29 t/ ha while recommended Mancozeb sprayed plots yielded 1.97 t/ ha. Whereas, the control plot i.e. farmer practice plot recorded 1.34 t/ ha where no management practices were taken up.

f) others:

g) **Evaluation / Evidence:** The economics of the technology, yield parameter, extent of damage were maintained by demonstrating farmer Mr. Prabhakar Maiya and the Scientist in-charge of this demonstration in separate register maintained at Krishi Vigyan Kendra. Action photographs taken during training cum demonstration programmes and during field visits which depicts successful implementation of this programme.

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

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

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1.	Paddy	Spraying of plant extract like Neem, Eupatorium	To prevent insects and disease incidence
2.	Coconut	Attraction of Rhinoceros beetle in coconut garden by placing mixture made up of ground nut cake and cow dung.	Attraction of Rhinoceros beetle
3.	Ash gourd/Cucumber	Hanging of Ash gourd/ cucumber	To improve the shelf life

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

- **Identification of courses for farmers/farm women** **:** PRA/Discussion meetings/Focus group discussion/Group meetings
- **Rural Youth** **:** PRA/Discussion meetings/Focus group discussion/Group meetings
- **In-service personnel** **:** PRA/Discussion meetings/Focus group discussion/Group meetings

Tools and methodology followed are

1. Focus group discussion
2. Media coverage
3. Farmers response
4. Pre and Post evaluation tests
5. Suggestion box
6. Method demonstration

10. G. Field activities

i. Number of villages adopted : 05
ii. No. of farm families selected : 50
iii. No. of survey/PRA conducted : 10

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

Status of establishment of Lab :

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

Sl. No	Name of the Equipment	Qty.	Cost
1			
2			
3			
Total			

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 reporting period : Nil

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

PART XII 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, Child and women welfare development	• 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.
Non-Governmental Organization Shree Kshetra Dharmasthala Rural Development Project, 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

S. No.	Programme	Nature of linkage	Remarks
1	Training programme and video programme	Technical support provided during the programmes	-

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

S. No.	Programme	Nature of linkage	Constraints if any
1.	Plant health Clinic and Disease forecasting Unit	• Advisory services made during the period on pathological and insect problems of various crops through 1) Diagnostic Field Visits – 38 No. 2) Farmers visit to PHC/DFU - 69 No. 3) Phone contacts - 65 No. 4) Radio talk - 2 No. 5) Press Coverage -13 No. 6) Literatures –a) Technical bulletin -2 No. b) Folders-3 No. • Provided scientific support to the Department of Horticulture *viz.,* creating awareness programmes on management of pest and disease of horticultural crops,	-

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

S. No.	Programme	Nature of linkage	Remarks

PART XIII- PERFORMANCE OF INFRASTRUCTURE IN KVK

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

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

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

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Paddy	25-5-2009 6-6-2009	5-10-2009 20-11-2009	8.5	MO4, Champaka, Jyothi	TL seeds	92	155300.00	165750.00	-
Pulses									
Oilseeds									
Fibers									
Spices & Plantation crops									
Floriculture									
Poly house (Gerbera)	2008	Weekly intervals	260 sq.m.	African Daicy	-	1809 flowers		5427.00	The Gerbera yielding up to 3 years

Fruits									
Vegetables									
Others (specify)									

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

Sl. No.	Name of the Product	Qty	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	Earth worms	24.75 kg	2000.00	9600.00	-
2.	Vermicompost	500 kg	-	4000.00	-

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.	Poultry	Giriraja	Chicks given to farmers for its multiplication	1412.25 kg	85386.00	121566.00	-

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 2009	27	01	
May 2009	82	03	
June 2009	28	01	
July 2009	00	00	
Aug. 2009	04	01	
Sept. 2009	09	01	
Oct. 2009	23	02	
Nov. 2009	-	-	
Dec. 2009	-	-	
Jan. 2010	-	-	
Feb. 2010	-	-	
March 2010	25	3	

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 Oilseed *(Rs. in Lakh)*

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2010
	Kharif 2009	Rabi 2009-10	Kharif 2009	Rabi 2009-10	
Inputs		17500.00		15651.00	1849.00
Extension activities		2500.00		1295.00	1205.00
TA/DA/POL etc.		2500.00		1196.00	1304.00
TOTAL		**22500.00**		**18142.00**	**4358.00**

14.C. Utilization of funds under FLD on Pulses *(Rs. in Lakh)*

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2010
	Kharif 2009	Rabi 2009-10	Kharif 2009	Rabi 2009-10	
Inputs		35000.00		31735.00	3265.00
Extension activities		5000.00		2940.00	2060.00
TA/DA/POL etc.		5000.00		4973.00	27.00
TOTAL		**45000.00**		**39648.00**	**5352.00**

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2010
	Kharif 2009	Rabi 2009-10	Kharif 2009	Rabi 2009-10	
Inputs					
Extension activities					
TA/DA/POL etc.					
TOTAL					

14.E. Utilization of KVK funds during the year 2009-10 (Rs. in lakh)

S. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	**Pay & Allowances**	27.00	27.00	2589876.00
2	**Traveling allowances**	1.00	1.00	99820.00
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	1.80	1.80	179775.00
B	POL, repair of vehicles, tractor and equipments	1.40	1.40	139585.00
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	1.00	1.00	99976.00
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	0.60	0.60	59606.00
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	2.30	2.30	226399.00
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	0.20	0.20	12560.00
G	Training of extension functionaries	0.10	0.10	8899.00
H	Library	0.10	0.10	9721.00
I	Farmers Field School	0.25	0.25	12142.00
J	Extension Activities	0.25	0.25	25000.00
	TOTAL (A)	**36.00**	**36.00**	**3463359.00**
B. Non-Recurring Contingencies				
1	**Works**			
a)	Road formation	6.50	6.50	6.50
b)	Electrification and devp. Works for Admin. building	6.60	6.60	6.60
	TOTAL (B)	**13.10**	**13.10**	**13.10**
C. REVOLVING FUND				
	GRAND TOTAL (A+B+C)	**49.10**	**49.10**	**4773359.00**

14.F. 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 2007 to March 2008	24413.00	111451.00	116264.00	19600.00
April 2008 to March 2009	19600.00	161627.00	175946.00	5281.00
April 2009 to March 2010	5281.00	151334.00	95628.00	60987.00

Programme Coordinator