ANNUAL REPORT 2009-10

(FOR THE PERIOD APRIL 2009 TO MARCH 2010)

KRISHI VIGYAN KENDRA (UTTARA KANNADA, SIRSI)

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 Banavasi Road, Sirsi-581 401 District : Uttara Kannada State : Karnataka	Office (08384) 228411	FAX (08384) 228411	kvkuks@gmail.com	

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

Address	Telephone		E mail	Web Address
	Office	FAX		
University of Agricultural Sciences, Krishi Nagar Dharwad -580 005	(0836) 2448512, 2447494	(0836) 2748199	deuasd@rediffmail.com	www.uasd.edu

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Hemant G. Hegde	08384247958	9448495345	hemihg@gmail.com

1.4. Year of sanction: 11–07–2000

1.5. Staff Position (as 31st March 2010)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M/F	Discipline	Highest Qualification (for PC, SMS and Prog. Asstt.)	Pay Scale	Basic pay	Date of joining KVK	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1	Programme Coordinator	Dr. Hemant G. Hegde	Programme Coordinator	M	Horticulture	Ph.D (Horticulture)	37400-61100+10000(AGP)	58680	22.08.2006	P	GM
2	SMS	Mr. Ganapathi. T.	SMS (Hort.)	M	Horticulture	M.Sc. (Horticulture)	37400-61100+9000(AGP)	49240	15.06.2005	P	OBC
3	SMS	Dr (Mrs) Roopa S. Patil	SMS (Agril. Entomology)	F	Agricultural Entomology	Ph.D (Agril. Entomology)	15600-39100+6000(AGP)	22930	3.12.2008	P	GM
4	SMS	Smt. Vinutha U. Muktamath	SMS (Home Science)	F	Home Science	M.Sc (Home Science)	15600-39100+6000(AGP)	21600	15.07.2009	P	GM
5	SMS	Dr. Rajakumar G. R.	SMS (Soil Science)	M	Soil Science	Ph.D (Soil Science)	15600-39100+6000(AGP)	22930	21.07.2009	P	GM
6	SMS	Vacant	-	-	Agronomy	-	-	-	-	-	-
7	SMS	Vacant	-	-	Vet. Science	-	-	-	-	-	-
8	Programme Assistant T-4	Mr. Baliram G. Nayak	Programme Asst. (Agro forestry)	M	Agro-Forestry	M.Sc(Agro Forestry)	5500-175-9000	5675	12.12.2008	P	SC
9	Programme Assistant (Computer)/ T-4	Mrs. Annapurna F. Neeralgi	Programme Asst. (Computer)	F	Computer Science	BCA	5500-175-9000	5500	29.03.2010	P	SC
10	** Programme Assistant/ Farm Manager T-4	Dr. Praveen T. Goroji	Farm Manager	M	Soil science	Ph. D(Soil Science)	5500-175-9000	5500	13.11.2008	P	GM
11	Accountant/ Superintendent	Mr. N. K. Nayak	Accountant /Superintendent	M	Accounts	MA	11400-21600	18150	02.01.2006	P	GM
12	Jr. Stenographer	Miss Purnima K. Hirehal	Typist	F	Typist	MA	8000-14800	8000	12.11.2009	P	ST
13	Driver	Mr.Balappa Taragar	Driver	M	Driver (LV)	SSLC	5800-10500	5800	06.10.2009	P	GM
14	Driver	Vacant	Tractor Driver	-	-	-	5800-10500	-	-		-
15	Supporting staff	Mr. H.A. Nadaf	Cook cum caretaker	M	Cook cum Caretaker	7th	5200-8200	5300	02.08.07	P	cat-1
16	Supporting staff	Contract	Messenger	-	-	-	-	-	-	--	-

** Working arrangement at Agriculture College- Dharwad.

1.6. Total land with KVK (in ha) : 2.5 ha

S. No.	Item	Area (ha)
1	Under Buildings	0.5
2.	Under Demonstration Units	-
3.	Under Crops	1.0
4.	Orchard/Agro-forestry	1.0
5.	Others	-

1.7. Infrastructural Development:

A) Buildings

S. No.	Name of building	Source of funding	Stage					
			Complete			Incomplete		
			Completion Date	Plinth area (Sq.m)	Expenditure (Rs.)	Starting Date	Plinth area (Sq.m)	Status of construction
1.	Administrative Building	-	-	-	-	-	-	-
2.	Farmers Hostel	ICAR	2003	395.81	30	-	-	-
3.	Staff Quarters	-	-	-	-	-	-	-
	1	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-
		-	-	-	-	-	-	-
4.	Demonstration Units	-	-	-	-	-	-	-
	1	-	-	-	-	-	-	-
	2	-	-	-	-	-	-	-
5	Fencing	-	-	-	-	-	-	-
6	Rain Water harvesting system	-	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	-	-	-
8	Farm godown	-	-	-	-	-	-	-

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Motor bike KA 31 J 3307	Yamaha Crux 2002	42,850.00	24382	Good
Motor bike KA 25 EC 7562 KA 25 EC 7564	Hero Honda - Passion 2009 2009	42,450.00 42,450.00	2013 1499	Good Good
Toyota Qualis Jeep KA 31M 2652	2004	5,00,000.00	77073	Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Godrej copier	30-03-2001	80,234/-	Good condition
Stabilizer	30-03-2001	6,000/-	’’
Portable OHP	31-03-2001	23,920/-	’’
Honda make EBK 2000 generator	31-03-2001	32,800/-	’’
EB 833 Altimeter	25-02-2002	10,990/-	’’
Thomson TV 29’’ monitor	30-03-2002	28,700/-	’’
Thomson CD player	30-03-2002	6,500/-	’’
Sharp VCR	30-03-2002	12,300/-	’’
Computer and accessories	30-03-2003	72,513/-	’’
Public address system	26-02-2003	10,500/-	’’
Nikon Camera	29-09-2003	28,350/-	’’
Air Conditioner for computer hall	27-09-2003	10,500/-	’’
Photo display frame	27-09-2003	17,000/-	’’
Exhibition showcase	27-09-2003	14,000/-	’’
Scanner	27-09-2003	3,500/-	’’
Sony Digital Camera	2006	13,000/-	’’
Computer HP- with accessories	31.3.2007	36,000/-	’’
Motorized screen	2008	24,000/-	’’
Lexmark Printer	March 2008	15,043/-	’’
Printer (4 in one)	31.3.2009	13,950/-	’’
Sony DV cam – Portable camera	Jan-2010	1,84,000/-	’’
Computer and accessories-HP DC-7000 series (2 Nos)	April-2010	77690/-	’’

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

Sl.No.	Date	Number of Participants	No. of absentees	Salient Recommendations	Action taken
1.	26-08-09	25	12	1) Farmers are using urea without any recommendations to a greater extent in paddy. Hence the scientists of KVK are instructed to take up demonstrations on scientific application of urea in farmers in field.	1. In this regard farmers have been educated about scientific use of fertilizers and organic manure through trainings and demonstration (On & Off) dated 27-08-09,28-11-09,22-2-2010 ,8-05-2010 and 29-10-09 respectively.
				2) JDA, Uttara Kannada, asked to conduct Farm School programme sponsored under ATMA at an earliest. The director of extension instructed to implement the programme in the ensuing season.	The programme is implemented successfully in Apsarakonda village of Honnavar taluk and 25 farmers growing groundnut were involved . The report has already been submitted
				3) The Assistant General Manager of NABARD Uttara Kannada asked to submit proposals to conduct seminar / training / workshops / demonstration of agricultural implements which may be of immense value to the farming community, so that they can be funded and organize in joint venture with KVK.	According to the suggestion of AGM, NABARD a statelevel seminar on Ginger was organized on 12.12.09 at Dasanakoppa village of Sirsi. Many other projects on different awareness programmes have been submitted.
				4) The representative of District Krishik Samaj said that Kumta onion grown in coastal taluka is affected by twisting and bulb rot. The farmers are not following scientific application of fertilizers also. Hence the KVK scientists are asked to educate farmers by conducting trainings / field visits.	In coordination with the staff of Horticulture Dept. KVK scientists visited Vannalli (Kumta) and other onion growing areas were visited on 13.2.2009 and suitable suggestions were given

				5) The woman representative opined that in Uttara Kannada small and marginal farmers are cultivating medicinal & aromatic crops in small scale and are facing lack of organized marketing facilities. Hence the ZPD asked to formulate "Commodity Groups" to have better market linkage.	Commodity groups on long pepper(Badlikoppa-Hulasehonda), Pepper(Siddapur,Sirsi,Ankola) and Jackfruit value addition (Salkani , Manadoor) have been formed and various training programmes were conducted. (5-2-2010,16-02-2010,7-3-2010,29-04-2010, 4-05-2010, 6-05-2010, 11-05-2010)
				6) Dr. S. Prabhu Kumar, ZPD , ICAR, Bangalore suggested to pay more attention on the following points. • The KVK scientists were advised to work at micro level/village level and formulate programmes/cropping systems related to changing seasonal / climatic variations.	• FLD on Blackgram(12.5 ha) and Greengram (10ha) have been implemented in Paddy fallows of Sirsi, Karwar taluk • FLD on Groundnut(5ha) was taken in Honnavar taluk in residual moisture after paddy to demonstrate new technologies. • Seed production programme on QPM Maize and sunflower (Sirsi & Halyal respectively) was taken in 10 ha area
				• Suggested to stress more on implementation "Integrated Farming Systems".	• IFS programmes at Tigani village (Sirsi Taluk) and Kuntavani (Bhatkal Taluk) are being implemented

				• Insisted to submit proposal on demonstration of rain water harvesting technology in the campus. • Suggested to register 1000 farmers mobile numbers under www.sms.com. and deliver appropriate technologies, suggestions, market led information to the farmers at the earliest.	• Proposal will be submitted • The programme is on and KVK is sending timely messages to the farmers 11.06.2010
				Instructed to document the activities and achievements of KVK and send the reports to ICAR with action oriented photos.	Streamlining of documenting process is done

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	Rainfed area : Paddy- Pulses, Arecanut based intercropping system, Fisheries and Dairy

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

S. No	Agro-climatic Zone	Characteristics
1	Zone – 9	It consists of eastern transition belt and west coast with a geographical area 25,670.60 sq.km. It has hill zones and valleys with red sandy loam, clay loam and laterite soils. In some parts medium black soils are also found. Major crops grown are paddy, cotton, arecanut based mixed crops of spices.
2	Zone – 10	The zone consists of coastal and hill tracts with rainfall 3500 mm. The major crops grown are paddy, groundnut, pulses and arecanut based cropping system. Sandy soils, costal alluvial, red sandy loam, laterite soils are found in these regions.

S. No	Agro ecological situation	Characteristics
1	Coastal ecosystem	High to very high rainfall of about 3500 mm, hot and humidity climate with highly leached sandy alkaline soils.
2	Hill zone ecosystem	Rainfall ranges from 2500 to 3500 mm, with valleys and low hills. Major area covered is forest and dominated by laterite soils.
3	Transitional ecosystem	Rainfall ranges from 800-1200 mm. dominated by plains and rolling hills. Soils vary from red loam to medium black soils.

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Lateritic soils	Deep, well drained to excessively drained, yellowish red to dark reddish brown, sandy loam to sandy clay and clay surface soils and clay subsoil's, moderate to severely eroded with surface crusting.	36332
2	Coastal laterite soil	Deep, well drained to excessively drained, dark brown to yellowish red and dark reddish brown, sandy clay loam to clay loam surface soils and sandy clay to clay subsurface soils, moderately to severely eroded with surface crusting.	
3	Coastal alluvial soils	Deep, well drained and poorly drained, pale brown to dark yellowish brown, sand, sandy loam to loam surface soils and sand to loam subsurface soils.	
4	Red gravely clay soils	Deep and shallow, well drained to excessively drained, yellowish brown dark red to reddish brown, gravely sandy loam to sandy clay loam and loamy sand surface soils and no calcareous cracking clay to silty clay soils, moderately to severely eroded.	144589
5	Red clay soils	Deep to moderately deep and hallow, well drained, brown to yellowish red to reddish brown, sandy loam and sandy clay to clay subsurface soils, moderately to severely eroded.	552877
6	Forest soils (Brown forest soil)	Deep to moderately, Deep, well drained to excessively drained, dark brown to dark yellowish brown and black sandy clay to sandy clay loam, humus rich surface soils and clay to sandy clay, gravely sandy clay to clay sub surface soils, moderately to severely eroded.	291679
7	Medium black soils	Shallow, well drained grey to dark grey and brown clay loam and silty clay loam.	

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

S. No	Crop	Area (ha)	Production (Metric tons)	Productivity (q /ha)
1	Paddy	92500	434750	47
2	Cotton	2540	3810	15
3	Groundnut	4500	5400	12
4	Green gram	900	675	7.5
5	Black gram	1230	1230	10
6	Arecanut	14592	43776	30
7	Coconut	7302	2336640 nuts	3200 nuts/ha
8	Black pepper	236	778.8	33
9	Ginger	2500	37500	150
10	Turmeric	350	5600	160
11	Cardamom	451	112.75	2.5
12	Vanilla	692	1384	20
13	Banana	1854	83430	450
14	Cashew	2850	1852.5	6.50
15	Mango	1336	20040	150
16	Pine apple	520	27040	520
17	Maize	3040	18848	62
18	Sugarcane	1220	97600	800

* Source: Statistical Department

2.5. Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
Janaury	0.9	30.5	14.0	72.5
February	0.77	33.0	15.3	54.5
March	3.43	34.5	19.2	77.5
April	26.22	34.9	20.15	64.25
May	107.12	33.5	21.9	65.5
June	687.80	28.9	20.0	82.35
July	996.05	25.5	19.9	91.15
August	538.98	27.4	20.0	86.7
September	246.64	27.9	19.9	93.15
October	143.40	29.2	17.7	73.25
November	49.14	29.3	17.6	75.35
December	29.82	29.6	15.9	80.7

Please provide latest data from authorized sources. Please quote the source (Dept. of Agriculture)

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

Category	Population	Production	Productivity
Cattle			
Crossbred	35410	141640000	4000ltr
Indigenous	331762	232233400	700ltr
Buffalo	118767	249410700	2100ltr
Sheep			
Crossbred	**0**	0	0
Indigenous	**2702**	81060	30Kg
Goats	**12087**	362610	30Kg
Pigs			
Crossbred	**673**	100950	150Kg
Indigenous	**15510**	853050	55Kg
Rabbits	**278**	1112	4Kg
Poultry			
Hens			
Desi	**125633**	0	1.25Kg
Improved	**239940**	157041.25	2Kg
Ducks	**11234**	479880	4.5Kg
Turkey and others	**125**	50553	6Kg

Category	Area	Production	Productivity
Fish			
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

* Please provide latest data from authorized sources. Please quote the source

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
1.	Sirsi	Banavasi Hulekal Sirsi Janmane	Banavasi Kadagod Navanagere Vanalli Salkani Dodnalli Hegadekatta	1	Paddy, Arecanut, Coconut, Black pepper, Ginger, Pineapple, Pulses, Mango, cardamom, Dairy faming	Variety, soil acidity , pests and diseases, imbalanced nutrition, poor drainage, production technology	ICM , IDM, INM, IPM, Value addition, Production technology Empowerment of SC/ST families in horticulture.
2.	Siddapur	Siddapur	Keregadde Ainabail Avaragoppa Harsikatta	1	Paddy Arecanut, Coconut, Black pepper, Pulses, Mango, cardamom, Dairy faming	Variety, soil acidity , pests and diseases, imbalanced nutrition, poor drainage, production technology	ICM , IDM, INM, IPM, Value addition, Production technology
3.	Kumta	Mirjan Mururu	Chandavar Nagur Mirjan Mururu	1	Paddy Arecanut Coconut Onion, Cashew	Variety, soil acidity , pests and diseases, imbalanced nutrition, poor drainage, production technology, lack of suitable income generating crops	ICM , IDM, INM, IPM, Value addition, Production technology

4.	Haliyal	Bhagavathi	NSKoppa Pala	1	Cotton Paddy Sugar cane Maize Vegetable, Agro forestry systems	Pest and diseases of field / horticulture crops	ICM, IPM in cotton
5	Bhatkal		Kuntavani Konar	1	Paddy, cashew, Banana, vegetables, arecanut	Pest and diseases of field / horticulture crops	ICM , IDM, INM, IPM, Value addition, Production technology Empowerment of SC/ST families in horticulture.
6	Honnavar	Manki	Apsarakonda Kelaginur Manki Kasarakodu	1	Paddy, cashew, Banana, vegetables, arecanut	Pest and diseases of field / horticulture crops	ICM , IDM, INM, IPM, Value addition, Production technology Empowerment of SC/ST families in horticulture.
7	Mundagod	Pala Mundagod	Pala Arashinageri Jenmuri Karekoppa	1	Paddy, cashew, Banana, vegetables, arecanut	Pest and diseases of field / horticulture crops	ICM , IDM, INM, IPM, Value addition, Production technology Empowerment of SC/ST families in horticulture.

2.7 Priority thrust areas

S. No	Thrust area
1	Crop improvement – Introduction of improved varieties
2	Production technology of agriculture, horticulture and Agro forestry
3	Insect pests and disease management in agricultural and horticultural crops
4	Soil and water conservation
5	Post harvest technology and value addition.
6	Income generating activities
7	Encouraging Integrated Farming Systems
8	Vocational Training for rural youth

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
7	7	48	41	13	13	250	255

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
129	106	3000	3547	650	764	20000	22147

Seed Production (Qtl.)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
0	3.5 (Sunflower hybrid- KBSH 53)	500	500

Livestock (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
		150Kg(Trichoderma)	50Kg
		2.5Kg (Rooting Hormone)	2.5Kg

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

. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions										
				Title of OFT if any	Title of FLD if any	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extension activities (No.)	Supply of seeds (Qtl.)	Supply of planting materials (No.)	Supply of livestock (No.)	Supply of bio products	
1	Production technology	**Black green gram**	**Low income in residual moisture**	Cultivation of Black green gram after Paddy in residual soil moisture	-	**1**	-	-	**3**	**0.2**	-	-	**No.** -	**Kg/L** -
2	Insect management	**Cashew**	Poor flower and fruit set , Tea-mosquito menace, decreased size of nuts and yield	-	Management of tea mosquito in Cashew	**2**	-	-	**2**	-	-	-	-	-
		Arecanut	Low yield and death of palms	Organic based products for the management of arecanut root grub	-	1	1	-	3	-	-	-	2	0.25
3	IGA	Long pepper	Lack of suitable income generating crop	-	Production of long pepper as a subsidiary income generating crop	1	-	-	3	-	2500	-	-	-
4	Crop improvement	Peas	Availability of residual moisture for a short period (40-50 days), Fodder scarcity	Production of peas as a catch crop under residual moisture in paddy fallow	-	2	-	-	3	0.40	-	-	-	-
5	Disease management	Paddy	Low income	-	Management of Sheath blight in paddy	1	1	1	3	-	-	-	1	0.10
6	Post harvest technology and value addition	Drying technique	Lack of quality and low income	Small scale solar driers for quality improvement of farm produce and drudgery reduction	-	1	-	1	-	-	-	-	-	-
7	Disease management	Banana	Low income	-	Management of Sigatoka leaf spot in Banana	1	1	1	4	-	-	-	-	-

8	IDM	Black pepper	Death of vines	Integrated management of Foot rot of Black pepper	-	3	1	2	6	-	-	-	1	5Kg
9	ICM	Paddy	Lack of knowledge on high yielding var, Incidence of insect pests and diseases, poor nutrient status of the soil	-	ICM in Paddy	4	1	1	6	3 (MO-4)	-	-	-	-
10	Crop improvement	Fodder Bajra	Scarcity of green fodder during summer	Assessment of fodder Bajra – legume mixture in paddy fallows	-	2	-	-	4	0.30	-	-	2	0.5Kg
11	Insect Management	Paddy	Low income	-	Management of Gall midge in paddy	2	1	-	3	-	-	-	-	-
12	IFS	Silvi horti	Low income	-	Popularization of silvi-horti-pastoral system for sustainable land use	2	1	-	4	-	8000	-	-	-
13	Post harvest technology and value addition.	Black Pepper	Non availability of skilled labour, poor colour of the end produce, low market price,	-	Production of quality black pepper	3	1	-	3	-	-	-	-	-
14	Crop improvement	Fodder	Scarcity of green fodder during summer	Production of Bahunea herbage as a green fodder during summer	-	1	1	-	2	-	7500	-	-	-

3. B2. Details of technology used during reporting period

S.No	Title of Technology	Source of technology	Crop/enterprise	No.of programmes conducted			
				OFT	FLD	Training	Others (Specify)
1	2	3	4	5	6	7	8
1	Cultivation of Black green gram after Paddy in residual soil moisture	UASD	Black green gram	4	-	1	03 field visits
2	Management of tea mosquito in Cashew	UASD	Cashew	-	02	02	03 field visits
3	Organic based products for the management of arecanut root grub	UASD &ITK	Arecanut	5	-	02	03 field visits
4	Production of long pepper as a subsidiary income generating crop	KVK,UK	Long pepper		10	01	03 field visits
5	Production of peas as a catch crop under residual moisture in paddy fallow	ITK, Belgaum	Peas	03	-	02	03 field visits
6	Management of Sheath blight in paddy	UASD	Paddy	-	20	03	03 field visits
7	Small scale solar driers for quality improvement of farm produce and drudgery reduction	KVK,UK	Drying technique	3	-	02	-
8	Management of Sigatoka leaf spot in Banana	UASD & Bayer Crop Science	Banana	-	10	03	04 field visits
9	Integrated management of Foot rot of Black pepper	KVK,UK	Black pepper	06	-	06	06 field visits
10	ICM in Paddy	UASD	Paddy	-	23	06	06 field visits and 01 field day
11	Assessment of fodder Bajra – legume mixture in paddy fallows	UASD	Fodder Bajra	10	-	02	04 field visits
12	Management of Gall midge in paddy	UASD	Paddy	-	10	03	03 field visits
13	Popularization of silvi-horti-pastoral system for sustainable land use	UASD	Silvi- horti	-	10	03	04 field visits
14	Production of quality black pepper	KVK,UK	Black Pepper	-	41	04	03 field visits
15	Production of Bahunea herbage as a green fodder during summer	IGFRI-KVK	Bahunea herbage	10	-	02	02 field visits
16	ICM in Black gram	UASD	Black gram	-	25	2	05 field visits and 01 field day
17	ICM in Green gram	UASD	Green gram	-	35	2	03 field visits and 01 field day
18	ICM in Groundnut	UASD	Groundnut	-	10	5	05 field visits and 01 field day
19	ICM in Cotton	UASD	Cotton	-	50	6	08 field visits and 01 field day

3.B2 contd..

No. of farmers covered															
OFT				FLD				Training				Others (Specify)			
General		SC/ST		General		SC/ST		General		SC/ST		General		SC/ST	
M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
4	-	-	-					12	-	-	-	-	-	-	-
-	-	-	-	2	-	-	-	10	4	3	1	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	10	-	-	-	14	02	2	1	-	-	-	-
03	-	-	-	-	-	-	-	5	1	-	-	-	-	-	-
-	-	-	-	16	-	04	-	08	03	04	01	-	-	-	-
03	-	-	-	03	-	-	-	06	-	01	-	-	-	-	-
-	-	-	-	08	-	02	-	12	03	09	01	-	-	-	-
04	-	02	-	-	-	-	-	23	06	11	03	--	-	-	-
-	-	-	-	20	-	03	-	36	07	14	02	-	-	-	-
7	3	-	-	-	-	-	-	24	06	-	-	-	-	-	-
-	-	-	-	06	-	03	01	20	06	02	01	-	-	-	-
-	-	-	-	07	02	01	-	12	06	05	02	-	-	-	-
-	-	-	-	41	-	-		45	8	-	-	-	-	-	-
08	02	-	-	-	-	-	-	06	02	03	01	-	-	-	-
-	-	-	-	14	-	10	1	29	5	5	2	-	-	-	-
-	-	-	-	6	-	28	1	15	-	18	7	-	-	-	-
-	-	-	-	7	3	-	-	95	20	-	-	35	25	-	-
-	-	-	-	9	2	35	4	16	5	120	14	20	16	85	30

PART IV - On Farm Trial

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management										
Varietal Evaluation	01		02							
Integrated Pest Management				01						
Integrated Crop Management										
Integrated Disease Management										
Small Scale Income Generation Enterprises										
Weed Management										
Resource Conservation Technology										
Farm Machineries										

Integrated Farming System								01		
Seed / Plant production										
Value addition										
Drudgery Reduction										
Storage Technique										
Mushroom cultivation										
Total	**01**		**02**	**01**				**01**		

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

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation crops	Tuber Crops	TOTAL
Integrated Nutrient Management										
Varietal Evaluation										
Integrated Pest Management										
Integrated Crop Management										
Integrated Disease Management				01						
Small Scale Income Generation Enterprises										
Weed Management										
Resource Conservation Technology										
Farm Machineries										
Integrated Farming System										
Seed / Plant production										
Value addition						01				
Drudgery Reduction										
Storage Technique										
Mushroom cultivation										
Total				**01**		**01**				

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				
Varietal Evaluation	Peas	Production of peas as a catch crop under residual moisture in paddy fallow	03	1.0
Integrated Pest Management	Arecanut	Organic based products for the management of arecanut root grub	05	75 palms each
Integrated Crop Management				
Integrated Disease Management				
Small Scale Income Generation Enterprises				
Weed Management				
Resource Conservation Technology				
Farm Machineries				
Integrated Farming System	Bahunea	Production of Bahunea herbage as a green fodder during summer	10	2.5
	Bajra & legume mixture	Assessment of fodder Bajra – legume mixture in paddy fallows	10	2.0
Seed / Plant production				
Value addition	Fruits & vegetables	Small scale solar driers for quality improvement of farm produce and drudgery reduction	03	-
Drudgery Reduction				
Storage Technique				
Mushroom cultivation				
Total	05		**31**	

4.B.2. Technologies Refined under various Crops

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	Black pepper	Integrated management of Foot rot of Black pepper	06	100 veins each
Small Scale Income Generation Enterprises				
Weed Management				
Resource Conservation Technology				
Farm Machineries				
Integrated Farming System				
Seed / Plant production				
Value addition	Fruits & vegetables	Small scale solar driers for quality improvement of farm produce and drudgery reduction	03	-
Drudgery Reduction				
Storage Technique				
Mushroom cultivation				
Total	**02**		**09**	

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

1. Results of On Farm Trial

Crop/ enterprise	Farming situation	**Problem definition**	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement done / needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Black green gram	Residual moisture	Lack of suitable low duration crops for paddy fallows(40-45 days)	Cultivation of black green gram after paddy in residual soil moisture	4	Cultivation of black green gram after paddy in residual soil moisture	Yield	Kg/ha	Cultivation of Black green gram is possible in residual soil moisture after paddy	Give normal yield	-	-

Contd..

Technology Assessed	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
Green gram : Local	2.02	Qtl/ha	12100	4.1
Black green gram (Mugadh)	1.51	qtl/ha	5000	3.0

2. Results of On Farm Trial

Crop/ enterprise	Farming situation	**Problem definition**	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement done / needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Arecanut	Rainfed	Root grub infestation	Organic based products for the management of arecanut root grub	5	a. Drenching of soil with mixture of neem oil and soap nut acqueous extract 5 % b. Drenching of soil with mixture of cashew nut shell oil and soap nut acqueous extract 5 %	Root grub population & yield	1-2/ palm	Improved yield & health of palms	Neem oil & soap nut extract found effective	-	-

Contd..

Technology Assessed	**Data on the parameter**	**Cost of treatment / tree (Rs)**	**Root grub population /palm after 60 DAT**
13	14	15	16
Farmers Practice: 1. Soil application @ 2ml chlorpyriphos 20EC /2 l/palm (not in time)	grubs /palm	3.00	10-15 grubs /palm
Recommended Practice: Drenching of soil with chlorpyriphos 20EC @ 3 ml/l of water (5 l of solution/palm)	grubs /palm	6.00	1-2 grubs/palm
a. Drenching of soil with mixture of neem oil and soapnut acqueous extract 5 %	grubs /palm	20.00	1-2 grubs /palm
b. Drenching of soil with mixture of cashew nut shell oil and soapnut acqueous extract 5 %	grubs /palm	13.00	1-2 grubs /palm

3. Results of On Farm Trial

Crop/ enterprise	Farming situation	**Problem definition**	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement done / needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
1.Peas and black gram	Rain fed	Availability of residual moisture for a short period	Production of peas as a catch crop under residual moisture in paddy fallow	02	Cultivation of peas in residual moisture	Grain Yield kg/ha	-	Peas could not with stand the moisture stress	Peas can not be grown in residual soil moisture	-	-

Contd..

Technology Assessed	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)	Fallow	-		
Technology option 2	Black gram	375 kg/ha	14277	3.25
Technology option 3	Peas	Uneconomical : vitiated		

4. Results of On Farm Trial

Crop/ enterprise	Farming situation	**Problem definition**	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement done / needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Fodder bajra	Rainfed	Scarcity of fodder during summer	Assessment of fodder bajra – legume mixture in paddy fallows	10	Production of fodder – legume mixture in paddy fallows	Fodder yield tones/ha	10 tonnes/ha/ Harvest (2 harvests)	More palatable compared to other fodders .	Increased milk yield + health of animals	-	-

Contd..

Technology Assessed	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
Fallow	-	-	-	
Fodder maize	3 tonnes/ha	t/ha	3500	2.4:1
Fodder bajra legume mixture	10 tonnes/ha	t/ha	17000	6.6:1

5. Results of On Farm Trial

Crop/ enterprise	Farming situation	**Problem definition**	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement done / needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Bahunea herbage	Rainfed	Scarcity of fodder	Production bahunea herbage as a green fodder during summer	10	Production of green fodder round the year	Herbage yield Kg/ha	Yield yet to be obtained 6 months old seedlings,	Lopping needs to be taken up	-	-	-

Contd..

Technology Assessed	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
Collection of green leaves from forest	-			
Guinea grass	12	t/ha	-	-
Bahunea herbage	-	t/ha	-	-

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

OFT-1

1 Title of Technology Assessed : Cultivation of black green gram after paddy in residual soil moisture

2 Problem Definition : Lack of suitable low duration crops for paddy fallows (40-45 days

3 Details of technologies selected for assessment: Technology 3 : Black green gram

4 Source of technology : UAS, Zone VIII

5 Production system and thematic area : Rainfed (Residual moisture) Production technology

6 Performance of the Technology with performance indicators : Yield (kg/ha)

7. Feedback, matrix scoring of various technology parameters done through farmer's participation : Grains are acceptable

8 Final recommendation for micro level situation : One more year testing is essential

9 Constraints identified and feedback for research : Rainfall is varying from year to year

10 Process of farmers participation and their reaction: Give normal yield

OFT-2

1	Title of Technology Assessed	: Organic based products for management of arecanut root grub
2	Problem Definition	: Root grub infestation
3	Details of technologies selected for assessment: Technology 3	: a. Drenching of soil with mixture of neem oil and soapnut acqueous extract 5 % b. Drenching of soil with mixture of cashew nut shell oil and soap nut acqueous extract 5 %
4	Source of technology	: ITK
5	Production system and thematic area	: Plant protection
6	Performance of the Technology with performance indicators	: Root grub population & yield
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	: Neem oil & soap nut extract found effective
8	Final recommendation for micro level situation	: Technology needs assessment for two more years
9	Constraints identified and feedback for research	: Preparation of extract
10	Process of farmers participation and their reaction: Effective and feasible technology	

OFT-3

1	Title of Technology Assessed	: Cultivation of peas in residual moisture
2	Problem Definition	: Availability of residual moisture for a short period
3	Details of technologies selected for assessment: Technology 3	: Peas
4	Source of technology	: ITK, Belgaum District
5	Production system and thematic area	: Rainfed (Residual moisture), Crop introduction
6	Performance of the Technology with performance indicators	: Peas could not with stand the moisture stress
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	: Peas not suitable for paddy fallows in Zone IX
8	Final recommendation for micro level situation	: Black gram is preferred over peas
9	Constraints identified and feedback for research	: Development of moisture resistant pea's variety
10	Process of farmers participation and their reaction	: Active participation. Farmers are positive towards black gram

OFT-4

1	Title of Technology Assessed	: Assessment of fodder bajra – legume mixture in paddy fallows
2	Problem Definition	: Scarcity of fodder to farm animal and high cost roughage
3	Details of technologies selected for assessment: Technology 3	: Fodder bajra legume mixture
4	Source of technology	:ITK of Shivamogga distirict farmers
5	Production system and thematic area	: Rainfed (residual soil moisture)
6	Performance of the Technology with performance indicators	:High yield, more palatable, low cost of cultivation
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	: Increased milk yield , improved animal health
8	Final recommendation for micro level situation	: Can be adapted as a good source green fodder in summer
9	Constraints identified and feedback for research	: -
10	Process of farmers participation and their reaction	: Actively participated and preserved seeds for next kharif and summer

OFT-5

1	Title of Technology Assessed	: Production of bahunea herbage as a green fodder during summer
2	Problem Definition	: Scarcity of fodder
3	Details of technologies selected for assessment: Technology 3	: Production of green fodder round the year
4	Source of technology	: KVK, UK, Sirsi and IGFRI, Dharwad
5	Production system and thematic area	: Rainfed, fodder production
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	: -

Technology Refinements

4.D1. Results of Technologies Refined

1. Results of On Farm Trial

Crop/ enterprise	Farming situation	**Problem definition**	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement done / needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Value addition and Drudgery reduction	-	Lack of suitable driers for dehydration/drying farm production	Small scale solar driers for quality improvement of farm produce and drudgery reduction	5	Drying farm produce and assessment of quality	Time , Quality , Labour & market price	Takes less time,good home scale farm products drier.	Takes Less time than normal method, efficiency can be improved	Takes Less time than normal method, efficiency can be improved.	Needed	

Contd..

Technology Refined	**Production technology**	**Product dried**	**Colour of the copra**	**Time taken for drying**	Aroma
13	14	15	16	17	
Farmers Practice Open sun	Drying under open sun	Coconut	Brown tinged	5 days	Agreeable
Recommended Practice: Not specified	-	-	-	-	-
Alternate Practice: KVK model solar drier	Drying product through hot air in absence of light	Coconut	Natural white	4 days	Highly pleasant

2. Results of On Farm Trial

Crop/ enterprise	Farming situation	**Problem definition**	Title of OFT	No. of trials	Technology Assessed	Parameters of assessment	Data on the parameter	Results of assessment	Feedback from the farmer	Any refinement done / needed	Justification for refinement
1	2	3	4	5	6	7	8	9	10	11	12
Black pepper	Rainfed	Foot rot	Integrated management of Foot rot of Black pepper	05	Integrated Disease Management	Disease incidence(% collar rot) and yield	% of collar rot	100% control of foot rot (collar rot)	a. Effective method in managing foot rot b. Favoured the development of roots & bio agents c. Healthy and vigorous vine growth	-	-

Contd...

Technology Assessed	**Percent foot rot/collar rot incidence**	**Production (Q/ha)**	**Net Return (Profit) in Rs. / unit**	**BC Ratio**
13	14	15	16	17
Farmer's practice Spraying1% BM, 0.1% Metalaxyl-MZ & COC 0.3%drenching	**36**	**2.5**	**8000**	**1.71**
Recommended practice: Spraying 1% BM, Metalaxyl-MZ 0.1%, Potassium phosphonate 0.3%, drenching COC 0.3%, Soil application neem cake @ 1kg/vine + Trichoderma 50 g/vine (2 times May- June, Sept-Oct).	**22**	**4.8**	**35600**	**2.74**
Alternate practice: **Pruning the runner shoots soil application of Neem cake 1 kg + Trichoderma (50gm/vine) + 10kgs FYM followed by mulching with plastic & weigh down with arecanut sheath, grass etc.**	**0**	**7.0**	**62000**	**3.36**

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

OFT-1

1	Title of Technology Refined	: Small scale solar dryers for quality improvement of farm produce and drudgery reduction
2	Problem Definition	: Lack of suitable driers for dehydration/drying farm production
3	Details of technologies selected for assessment: Technology 3	: Time, Quality parameters , Labour required, market price
4	Source of technology	:Progressive Farmer
5	Production system and thematic area	:Value addition
6	Performance of the Technology with performance indicators	: Low cost, Less labour intensive, Quality parameter needs to be refined
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring Techniques	: Low cost, Less labour intensive, Quality parameter needs tobe refined
8	Final recommendation for micro level situation	: Refinement necessary
9	Constraints identified and feedback for research	: Colour of the produce is not good
10	Process of farmers participation and their reaction and maintenance	:Good

OFT-2

1	Title of Technology Refined	: Integrated management of foot rot of black pepper
2	Problem Definition	: Foot rot
3	Details of technologies selected for assessment: Technology 3	: Soil application of neem enriched trichoderma @1.0kg/vine – mulching with plastic sheet – prophylactic spray with BM 1%
4	Source of technology	: KVK , UK, Sirsi
5	Production system and thematic area	: Disease Management
6	Performance of the Technology with performance indicators	: Disease incidence(% collar rot) and yield
7.	Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques	: a.Effective method in managing foot rot

		b.Favoured the development of roots & bioagents
		c. Healthy and vigorous vine growth
8	Final recommendation for micro level situation	: Soil application of neem enriched trichoderma @1.0kg/vine – mulching with plastic sheet – prophylactic spray with BM 1%
9	Constraints identified and feedback for research	: -Untimely treatment and mulching with plastic
10	Process of farmers participation and their reaction	: Feasible and farmer friendly technology

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	Paddy residual soil moisture	Rabi/Summer -2009-10	Groundnut	DH-86	-	Production technology	ICM	5	5	-	10	10	-
	Pulses	Rainfed	Kharif 2009-10	Black gram	DU-1	-	Production technology	ICM	10.0	12.5	11	14	25	-
		Rainfed	Kharif 2009-10	Green gram	Shainingmung (Pusabaisaki)	-	Production technology	ICM	10.0	10.0	29	6	35	-
	Cereals	Rainfed	Kharif - 2009-10	Paddy	MO-4	-	Production Technology	ICM	5	5	-	8	8	-
		Rainfed	Kharif - 2009-10	Paddy		-	Management of gall midge	Phorate application in nursery and main field	5	5	-	7	7	-
		Rainfed	Kharif - 2009-10	Paddy	Abhilash	-	Disease management	Seedling dip in pseudomonous fluorescens spray with fungicide	5	5	2	18	20	-
	Millets													
	Vegetables													
	Flowers													
	Ornamental													
	Fruit	Irrigated	Kharif- 2009-10	Banana	Robusta	-	Disease management	Spray with hexaconozole	2	2	01	09	10	-
	Spices and condiments	Rainfed	Rabi/Summer	Blackpepper	-	-	Value addition	Solarization of pepper between UV resistant poly sheets	40 units	41 units	-	41	41	-
	Commercial	Rainfed	Kharif- 2009-10	Cotton		MRC 6918 Bt	Production technology	ICM	20	20	39	11	50	-
	Medicinal and aromatic	Rainfed	Kharif- 2009-10	Long pepper	Local	-	Production Technology	Cultivation, processing and marketing	0.2	0.2	-	10	10	-
	Fodder													

	Plantation	Rainfed	Rabi/summer 2009-10	Cashew	-	-	Insect management	Sequential spray of phosphomidon – quinolphos – carbaryl	1	1	-	3	3	-
	Fiber													
	Dairy													
	Poultry													
	Rabbitary													
	Piggery													
	Sheep and goat													
	Duckery													
	Common carps													
	Mussels													
	Ornamental fishes													
	Oyster mushroom													
	Button mushroom													
	Vermicompost													
	Sericulture													
	Apiculture													
	Implements													
	Others (specify)													
	IFS	Rainfed	Kharif 2009-10	Honge,Kokum, Mango , Guinea	-	-	IFS	Silvi Horti Patrol System	5.0	2.5	1	9	10	-

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												
	Pulses	Rainfed	Rabi/summer 2009-10	Black gram	DU-1	-	Crop improvement	ICM	Rabi/summer 2009-10	Low	Low	Low	Paddy
		Rainfed	Rabi/summer 2009-10	Green gram	Pusabaisaki (Shainingmoong)	-	Crop improvement	ICM	Rabi/summer 2009-10	Low	Low	Low	Paddy
	Cereals												
	Millets												
	Vegetables												
	Flowers												
	Ornamental												
	Fruit												
	Spices and condiments												
	Commercial												
	Medicinal and aromatic												
	Fodder												
	Plantation												
	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										
Groundnut	ICM	DH-86	-	Paddy residual soil moisture	10	05	16	11	13.35	8.75	52.57	12150	36045	23895	1.92	11185	23188	12003	1.07
	Total				10	05													

* 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**
Number of pods/plant	**26.5**	**18.1**

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	ICM	DU-1	-	Rainfed (Paddy fallow-residual moisture)	25	12.5	6.0	2.0	3.217	2.365	36.03	2797	17695	14896	6.33	1690	13000	11310	**7.69**
Green gram	ICM	Shainimng mung (Pusabaisaki)	-	Rainfed (Paddy fallow-residual moisture)	35	10	4.00	2.65	3.06	1.60	91.25	4840	24480	19640	5.06	2950	12800	9850	4.33

* 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

5.B.3. Other crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
							Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
							H	L	A										
Cereals																			
Paddy	Management of sheath blight disease	Abhilash	-	Rainfed	12	5	26.25	18.75	21.65	15.31	41.41	14050	21650	7600	1.54	14750	16310	1560	1.10
Paddy	Integrated crop management	MO-4		Rainfed	8	5	42.75	35.75	38.5	26.25	44.76	22450	38500	16050	1.71	19765	26250	5485	1.35
Paddy	Management of gall midge	Jaya		Rainfed	7	5	30.5	28.75	26.75	25.65	4.29	21750	25413	3663	1.17	21500	24368	2868	1.13
Fruit																			
Banana	Management of sigatoka leaf spot disease	G-9	-	Rainfed	10	2	500	375	435	303	43.56	85000	195750	110750	2.31	76050	136350	60300	1.79
Spices and condiments																			
Black Pepper	Solarization between plastic sheets	Local		Processing	41	-	29 % recovery	29% recovery	29% recovery	28% recovery	1% recovery	230/qtl for processing	12000/qtl	11770 /qtl	-	150/qtl	11500/qtl	11350/qtl	-
							*** Rs.420 per qtl profit is gained by processing under the improved method. On an average a farmer will get Rs. 10000-14000 per hectare by proceesing under uv plastic.												
Medicinal and aromatic																			
Long pepper	Production of long pepper as subsidiary income generating crop	Local	-	Rainfed	10	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-
							** Crop is in flowring stage												
Plantation																			
Popularization of Silvi -Horti -Pastrol System	IFS	Honge, Mango, Kokum, Guinea grass	-	Rainfed	10	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-
							Crop is in vegetative stage												
Cashew	Management of tea mosquitoe bug	Local	-	Rainfed	3.0	1.0	5.36	3.80	4.36	2.89	20.42	3340	13516	10176	4.05	2000	7225	5225	3.61

Fibre																			

* 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**

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																	
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (pl.specify)																	

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

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

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

5.B.5. Fisheries ----------NIL----------

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																	
Mussels																	
Ornamental fishes																	
Others (pl.specify)																	

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

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

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

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	ICM	-	MRC-6918(Bt)	Kharif- 2009-10	20	20	39	11	50	Nil
	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
Rainfed (Arishingeri & Jenmury)	ICM	14.8	37	-	MRC-6918(Bt)	21.56	19.57	10.17	28750	75460	46710	2.62	31625	68495	36870	2.17
Rainfed (Karaginakoppa)	ICM	5.2	13	-	MRC-6918(Bt)	17.98	16.88	6.52	33125	62930	29805	1.90	33900	59080	25180	1.74

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	Rainfed (Arishingeri & Jenmury)	ICM	14.8	37	-	MRC-6918(Bt)	21.56	19.57	10.17	28750	75460	46710	2.62	31625	68495	36870	
	Rainfed (Karaginakoppa)	ICM	5.2	13	-	MRC-6918(Bt)	17.98	16.88	6.52	33125	62930	29805	1.90	33900	59080	25180	

Extension Programmes organized in Cotton Demonstration Plots

Extension activity	No. of Programmes	Participants			SC/ST		
		Male	Female	Total	Male	Female	Total
Consultancy	15	27	02	29	20	2	22
Demonstrations	6	44	06	50	35	04	39
Diagnostic surveys	2	7	-	7	-	-	-
Field Days	1	105	46	151	96	54	150
Field visits	8	-	-	-	-	-	-
Group discussions	3	13	07	20	5	2	7
Training for Extension Functionaries	1	12	3	15	1	-	01
Training for farmers	5	124	16	140	52	06	58
Newspaper coverage	2	-	-	-	-	-	-
Publication	1	-	-	-	-	-	-
TOTAL	**44**	**332**	**78**	**410**	**209**	**68**	**277**

Technical Feedback on the demonstrated technologies on all crops / enterprise

S. No	Crop / Enterprise	Name of the technology demonstrated	Feed Back
1	Cotton	ICM	Farmers are convinced about the ICM technology in Bt cotton. More studies are required on cotton cultivation under excess rainfall situation .
2	Groundnut	ICM	Breeding of salt tolerant variety for cost region.

Farmers' reactions on specific technologies

S. No	Crop / Enterprise	Name of the technology demonstrated	Feed Back
1	Cotton	ICM	Seed MRC-6918 good germination, reduced the damage by bollworms and higher yields , trap crop bendi reduced incidence of shoot weevil and also used as vegetable, Planofix & KNO_3 spray reduced flower drop and square drying
2	Groundnut	ICM	DH-86 groundnut seeds are better in terms of yield compare to local & GPBD-4, non filling of pods on later stage due to moisture stress, DH-86 is long duration variety

Extension and Training activities under FLD

Sl.No.	Activity	No. of activities organised	Number of participants	Remarks
1	Field days	05	508	
2	Farmers Training	19	515	
3	Media coverage	06	-	
4	Training for extension functionaries	03	47	

PART VI – DEMONSTRATIONS ON CROP HYBRIDS

Demonstration details on crop hybrids ----------NIL----------

Type of Breed	Name of the technology demonstrated	Name of the hybrid	No. of Demo	Area (ha)	Yield (q/ha)				% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo			Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
					H	L	A										
Cereals																	
Bajra																	
Maize																	
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	2	0	0	0	32	3	35	32	3	35
Micro Irrigation/Irrigation										
Seed production										
Nursery management										
Integrated Crop Management	1	10	1	11	0	0	0	10	1	11
Soil and Water Conservation										
Integrated Nutrient Management	1	27	0	27	0	0	0	27	0	27
Production of organic inputs										
Others (pl.specify)	1	9	3	12	2	1	3	11	4	15
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	1	0	16	16	0	5	5	0	21	21
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	3	55	0	55	11	0	11	66	0	66
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	1	25	0	25	0	0	0	25	0	25
Processing and value addition	2	3	26	29	0	0	0	3	26	29
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	13	2	15	0	0	0	13	2	15
Integrated water management										
Integrated nutrient management	1	5	16	21	1	0	1	6	16	22
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops										
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing										
Others (pl.specify)										
Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management										
Feed and Fodder technology										

Production of quality animal products										
Others (pl.specify)										
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	1	11	6	17	2	0	2	13	8	21
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition										
Women empowerment	1	3	19	22	0	3	3	3	22	25
Location specific drudgery production	1	4	12	16	0	0	0	4	12	16
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	3	45	7	52	5	1	6	50	13	63
Integrated Disease Management	2	34	4	38	0	0	0	34	4	38
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
others										
Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
Portable plastic carp hatchery										
Pen culture of fish and prawn										
Shrimp farming										
Edible oyster farming										
Pearl culture										
Fish processing and value addition										
Others (pl.specify)										
Production of Inputs at site										
Seed Production										
Planting material production										
Bio-agents production										
Bio-pesticides production										
Bio-fertilizer production										
Vermi-compost production										

Organic manures production										
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	1	0	30	30	0	4	4	0	34	34
Apiculture	1	0	20	20	0	3	3	0	23	23
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	**24**	**244**	**162**	**406**	**53**	**20**	**73**	**297**	**189**	**486**

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	25	12	37	0	0	0	25	12	37
Integrated Crop Management	3	44	2	46	0	0	0	44	2	46
Soil and Water Conservation										
Integrated Nutrient Management										
Production of organic inputs										
Integrated Pest / Disease Management	11	111	23	137	98	25	117	212	42	75
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)- Organic methods of cultivation	2	38	23	61	10	6	16	48	29	77
b) Fruits										
Training and Pruning										
Layout and Management of Orchards										
Cultivation of Fruit	2	39	04	43	40	0	40	79	4	83
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	11	322	52	374	77	7	84	402	49	299
Processing and value addition										
Others (pl.specify)—Plant protection	12	260	60	320	15	0	15	280	244	340
e) Tuber crops										
Production and Management technology										
Processing and value addition										
Others (pl.specify)										
f) Spices										
Production and Management technology	3	107	41	158	10	11	21	107	52	169

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	5	89	40	129	5	0	5	94	40	134
Integrated water management										
Integrated nutrient management	1	12	9	21	0	0	0	12	9	21
Production and use of organic inputs										
Management of Problematic soils										
Micro nutrient deficiency in crops	1	0	0	0	16	9	25	16	9	25
Nutrient use efficiency										
Balanced use of fertilizers										
Soil and water testing										
Others (pl.specify)										
Livestock Production and Management										
Dairy Management										
Poultry Management										
Piggery Management										
Rabbit Management										
Animal Nutrition Management										
Animal Disease Management										
Feed and Fodder technology										
Production of quality animal products										

Others (pl.specify)										
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	2	11	40	51	2	6	8	13	46	59
Design and development of low/minimum cost diet										
Designing and development for high nutrient efficiency diet										
Minimization of nutrient loss in processing										
Processing and cooking										
Gender mainstreaming through SHGs										
Storage loss minimization techniques										
Value addition	2	1	38	38	0	2	2	0	40	40
Women empowerment	4	10	76	76	0	8	8	10	96	96
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	9	2	11	35	4	39	44	6	50

Integrated Disease Management										
Bio-control of pests and diseases										
Production of bio control agents and bio pesticides										
Others (pl.specify)										
Fisheries										
Integrated fish farming										
Carp breeding and hatchery management										
Carp fry and fingerling rearing										
Composite fish culture										
Hatchery management and culture of freshwater prawn										
Breeding and culture of ornamental fishes										
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/Organic farming	3	71	61	152	21	24	45	92	105	197

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	2	20	56	75	0	18	18	20	73	73
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	2	26	9	36	0	2	2	26	11	37
Nursery management										
Integrated Farming Systems										
Others (Pl. specify)										
Others										
Programmes and facilities at KVK,Sirsi	1	30	11	41	17	15	32	47	26	73
Farm School	2	34	16	50	0	0	0	34	16	50
TOTAL	71	1259	575	1856	346	137	477	1605	911	1981

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops	1	20	08	28	08	0	08	28	08	36
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming	2	0	0	0	40	12	52	40	12	52
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	1	0	12	12	0	03	03	0	18	18
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	4	20	20	40	48	15	63	68	38	106

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Nursery Management of Horticulture crops										
Training and pruning of orchards										
Protected cultivation of vegetable crops										
Commercial fruit production										
Integrated farming										
Seed production										
Production of organic inputs										
Planting material production										
Vermi-culture	01	12	04	16	02	01	03	14	05	19
Mushroom Production										
Bee-keeping										
Sericulture										
Repair and maintenance of farm machinery and implements										
Value addition	1	0	18	18	0	03	03	0	21	21
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	02	12	22	34	02	04	06	14	26	40

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	1	8	0	8	2	0	2	10	0	0
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)(Women empowerment)	1	1	20	21	0	4	4	1	24	25
Total	**02**	**09**	**20**	**29**	**02**	**04**	**06**	**11**	**24**	**35**

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

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Productivity enhancement in field crops										
Integrated disease Management	01	10	0	10	0	0	0	10	0	10
Integrated Nutrient management	01	08	0	08	0	0	0	08	0	08
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 (Women empowerment)										
Total	02	18	0	18	0	0	0	18	0	18

7.G. Sponsored training programmes

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										
1.a.	Increasing production and productivity of crops										
1.b.	Commercial production of vegetables										
2	**Production and value addition**										
2.a.	Fruit Plants										
2.b.	Ornamental plants										
2.c.	Spices crops										
3.	**Soil health and fertility management**										
4	**Production of Inputs at site**										
5	**Methods of protective cultivation**										
6	**Others (pl.specify)**										
7	**Post harvest technology and value addition**										
7.a.	Processing and value addition										
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										

Details of sponsoring agencies involved

1.
2.
3.

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

S.No.	Area of training	No. of Courses	No. of Participants								
			General			SC/ST			Grand Total		
			Male	Female	Total	Male	Female	Total	Male	Female	Total
1	**Crop production and management**										
1.a.	Commercial floriculture										
1.b.	Commercial fruit production										
1.c.	Commercial vegetable production										
1.d.	Integrated crop management										
1.e.	Organic farming										
1.f.	Others (pl.specify)										
2	**Post harvest technology and value addition**										
2.a.	Value addition										
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	**1**	**1**	**25**	**26**	**0**	**04**	**04**	**29**	**01**	**30**
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	**08**	**457**	**62**	**519**	**126**	**12**	**138**	**20**	**06**	**26**
Kisan Mela										
Kisan Ghosthi										
Exhibition	**09**	**12000**	**6350**	**18350**	**1800**	**537**	**2337**	**69**	**27**	**96**
Film Show	**03**	**52**	**32**	**84**	**15**	**8**	**23**	**-**	**-**	**-**
Method Demonstrations	**21**	**137**	**16**	**153**	**12**	**07**	**19**	**30**	**08**	**38**
Farmers Seminar	**01**	**326**	**43**	**369**	**27**	**04**	**31**	**07**	**-**	**07**
Workshop	**01**	**75**	**40**	**115**	**10**	**04**	**14**	**12**	**08**	**20**
Group meetings	**08**	**112**	**26**	**138**	**36**	**15**	**51**	**-**	**-**	**-**
Lectures delivered as resource persons	**40**	**197**	**64**	**261**	**15**	**03**	**18**	**17**	**06**	**23**
Newspaper coverage	**8**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Radio talks	**8**									
TV talks	**06**									
Popular articles	**26**									
Extension Literature	**14**									
Advisory Services	**66**									
Scientific visit to farmers field	**30**									
Farmers visit to KVK	**469**									
Diagnostic visits	**25**									
Exposure visits	**03**									
Ex-trainees Sammelan										
Soil health Camp	**04**									
Animal Health Camp										
Agri mobile clinic										
Soil test campaigns	**06**									
Farm Science Club Conveners meet										
Self Help Group Conveners meetings	**10**									
Mahila Mandals Conveners meetings	**03**									
Celebration of important days (specify)	**03**									
Any Other (Specify)										
Total										

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)						
Oilseeds						
Pulses						
Commercial crops	Turmeric	CLI 315	-	12Kg	300.00	3
Vegetables						
Flower crops						
Spices						
Fodder crop seeds						
Fiber crops						
Forest Species						
Others (specify)	Velvet bean	-	-	20Kg	700.00	20
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						
Fruits						
Ornamental plants						
Medicinal and Aromatic						
Plantation						
Spices	Pepper rooted cuttings	Paniyur-I	-	500 cuttings	-	-
Tuber						
Fodder crop saplings						
Forest Species						
Others(specify)						
Total						

9.C. Production of Bio-Products

Bio Products	Name of the bio-product	Quantity Kg	Value (Rs.)	Number of farmers to whom provided
Bio Fertilizers				
Bio-pesticide				
Bio-fungicide	Trichoderma	50Kg	6000.00	55
Bio Agents				
Others (specify) Rooting Hormone	IBA powder	0.25Kg	250.00	10
Total				

9.D. Production of livestock materials----------NIL----------

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

Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Others (Pl.specify)				
Fisheries				
Fingerlings				
Others (Pl. specify)				
Total				

PART X – PUBLICATION, SUCCESS STORY, SWTL

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	Efficacy of promising botanicals against red spider mite on brinjal	Patil, R. S. and Nandihalli, B. S.	
	Seasonal incidence of mite pests on brinjal and chilli	Patil, R. S. and Nandihalli, B. S.	
	Studies on biological aspects of red palm weevil, *Rhynchophorus ferrugineus* (Oliv.)	Prabhu, S. T. and Patil, R. S.	
	Effect of irradiation on the biological activities of red palm weevil, *Rhynchophorus ferrugineus* (Oliv.)	Prabhu, S. T. Dongre, T. K. and Patil, R. S.	
	Evaluation of botanicals and synthetic insecticides against eucalyptus gall wasp, *Leptocybe invasa* (Eulophidae : Hymenoptera)	Javaregowda, Prabhu, S. T. and Patil, R. S.	
	Motivational factors for Grampanchayat members to join politics – a study in Ranebennur Taluk	Rajeshwari ,Vinuta U. M.,Jakareddy	
	Women SHG's – a reformation in economic upliftment and women's emancipation	Vinuta U. M, Vinuta U M. Patil R.S	
	Effect of fartlek training at different attitudes on selected physiological variables and 1500 mtr performance	Umesh C. M, Vinuta U. M	
	Comparative analysis of antropometric variable , among 3 different races (mangoloids,negroids and indian local college men students)	Umesh C. M, Vinuta U. M.	
	Yoga fitness and self improved	Vinuta U. M, Umesh C. M,	
Technical reports			
News letters			

Technical bulletins			
Popular articles	Kokum krishi mattu moulyavardhane	Vinutha U.M., A.B.Divatar, Rajeshwari N.,	
	Shuntiya moulyavardhane	Vinutha U.M., Ganapathi T., Ravikumar RL and Hemanth Hegde	
	Bale beleyalli husi kanda moothi huluvina nirvahane	Prabhu, S. T. and Patil, R. S.	
	Bhattavannu baridagisuva bili bennina jigi hulu	Prabhu, S. T. and Patil, R. S.	
	Tengina Maraka Keeta- Yele tinnuva dumbi	Prabhu, S. T. and Patil, R. S.	
	Adike – Rog munsoochane niyantran krama	Gurudatt M .Hegde	
	Patti bele: Ona Bhoomi Krishikarigondu Ashakiran	Gurudatt M .Hegde	
	Management of insect pests and diseases of Jackfruit	Gurudatt M .Hegde	
	Shunti rog baradiralu arambhadalle lakshya agate	Gurudatt M .Hegde	
	Management of diseases of coconut	Gurudatt M .Hegde	
	Preperation of scientific bordeux mixture	Gurudatt M .Hegde	
	Integrated management of footrot of blackpepper	Gurudatt M .Hegde	
	Bordo dravanad tayarika vidhan	Gurudatt M .Hegde	
	Adike thotagalalli basigaluvegala mahatva	Gurudatt M .Hegde	
	Thotad belegalalli pramukh rogagalu hagu nirvahane	Gurudatt M .Hegde	
	Shunti mattu vanilla rog nirvahane	Gurudatt M .Hegde	
	Thotad belegalalli vividh rog parihar karma	Gurudatt M .Hegde	
	Battadalli benki rog nivaranege karma	Gurudatt M .Hegde	
	Kalu menasina rog nirvahane	Gurudatt M .Hegde	
	Integrated Management of soybean rust	Gurudatt M .Hegde	
	Cocoa beleyalli rog nirvahane	Gurudatt M .Hegde	
	Bale mosaic lakshana hagu nirvahane	Gurudatt M .Hegde	
	Adike hasikai uduruvike hege hagu adar nirvahane	Gurudatt M .Hegde	
	Kole adikeya araike hege	Gurudatt M .Hegde	
	Yelakki baleya rogagalu hagu nirvahane	Gurudatt M .Hegde	
	Cocoa beleya samagra nirvahane	Gurudatt M .Hegde	
Extension literature			
Books/Blloklets	Shuntiya besaya hagoo moulyavardhane	Ganapathi T., Ravikumar MR, Viuntha UM and Hemanth G Hegde	

	Shenga beley Adhunika besaya kramagalu mattu moulyavardhane	Viuntha UM, Ganapathi T., and Roopa S Patil	
	Uttar Kannada Jilleya Pramukha Sambara Belegalu	G.O.Manjunath, Ganapathi T., Ravikumar MR	
	Shunti Blelya Adhunika Besaya kramagalu mattu moulyavardhane	Ganapathi T., Ravikumar MR, Vinutha U.M.	
	Bhattada nantara udud mtattu hesru krushi	Rajakumar GR, Gurudat M Hegde and Roopa S Patil	
	Shenga Beleya Adhunika Besaya kramagalu mattu moulyavardhane	Vinutha U.M., Ganapathi T, Roopa S Patil	
Folder	Kokkum krishi and Processing	Vinutha UM, Ashok Divater, B.G. Nayak, Ganapathi, T, Rajakumar G.R and Roopa S. Patil	
	Ginger production and value addition	Ravikumar MR, Vinutha UM and Ganapathi, T	
	Environmental friendly hand made paper	Vinutha UM, BG Naik, Hemanth G Hegde	
	Soil organic matter testing kit	Rajakumar G.R. and Hemanth G Hegde	
	Bhattada roga mattu keetagala samagra nirvahane	Gurudat M Hegde, Roopa S Patil and Prabhu, S. T.	
Leaflet	Agarbathi preparation	Vinutha UM	
	Phenyl, Soaps preparation	Vinutha, UM	
	Dried banana figs nutrition and promotion of the commodity	Vinutha, UM	
Chgarts	Kokkum processing method	Vinuta U M	
	Popularization of Banana Figs	Vinuta U M	
	Menace of Parthenium	Vinuta U M	
	Processing of Pepper	Ganapathi T	
	CMS method of pepper propagation	Ganapathi T, Hemanth Hegde	
	ICM in Black gram	Rajakumar G R	
	ICM in Green gram	Rajakumar G R	
Others (Pl. specify)			
TOTAL			

10.B. Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD/ Audio-Cassette)	Title of the programme	Number
	VCD	Impact assessment of flood in Baragadde village of Karwar taluk	**01**
		Shunti Adhunika besaya kramagalu	**01**
		Bamboo article making	**01**
		Hand made paper	**01**
		Soil testing and fertilizer application	**01**
		Organic farming	**01**
		Soil fertility management	**01**

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

The Broad outline for the case study may be continuous, constant efforts and determination will reap better harvest and lead to a successful farmer.

Title: Hard Efforts will reap gains

Background :

Shri. Poornananda Venkatesh Bhat basically a contractor turned farmer wanted to go for cultivation of arecanut, coconut, pepper, nutmeg in banana. He collected lot of information from UAS Dharwad innovative farmers of Sirsi talauka, Kerala and TamilNadu states with an enthusiasm to become a progressive farmer. Initially in 1974 he planted coconuts, mango, guava in 21 acres of land which was handed over to seabird naval base in 1990.

Later after loosing control over his archerd did not come down . Again he purchased another 19 acres of land and gathered lot of information through literature, agricultural institutions, scientists etc and implemented his innovative ideas by planting arecanut in 19 acres. In the mean time he collected varietal information from scientists of Agricultural Research Station and Krishi Vigyan Kendra, Sirsi. Now the orchard has started yielding and he is getting highest returns compared other model farmers. In the mean time an idea floated out of his mind to make use of inter space of arecanut palms for cultivation of varieties of crops such as nut meg, black pepper, turmeric and so on. He collected varies varieties of these crops from across the nation and planted in his garden. Crops have started yielding returns to a greater extent and have become a role model for others in the district to follow it. In his farm 22 regular labours have been employed and they are working very systematically without causing annoyance to

the owner. His monthly expenditure towards labour category exceeds Rs. 35,000/-. Mr. Poornanand Bhat, initially became much popular in turmeric (CV. Sudarshan) by reaping about 200qtls/acre. Now, the farmers form across the state are visiting his farm to gather the information on how Mr. Poornanad Bhat is maintaining his pepper garden disease free, this is solely because of his constant and close efforts in exploring plant protection and nutritional requirements of the vines regularly. He has got diversity in verities of different crops that is being grown since many years and also with whole heartedness sparing few samples to the interested farmers. After 30 years of his practical experience in agriculture and horticulture now, he is in a position to guide and direct many of the visitors. There are more than 25 international students have visited his farm for their higher studies. Despite many researchers, experts also have visited and expressed their happiness for his innovative ideas and maintaining agro ecology for the healthy growth of crops. With all innovative ideas, modifications and timely maintenance his net income is calculated to be Rs. 35 lakhs/ annum. This is an example of dedication, innovation and hard work to make the best use of available resources to reap the maximum benefit.

Impact

Horizontal spread : 25 farmers have adopted his technologies.

Economic gains : 35 lakhs/ year

Employment generation : 30 memebers

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

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	Vanilla	Gomuthra (Cow urine)	Source of nutrient
2	Albinism	Chitramula roots	Medicine
3	Arecanut	Strychnous nuxvomica	Root grub management
4	All crops	Leaf/ seed extract	Management of insects
4	Paddy	Carreya arboria (bark)	Management of paddy blast
5	Arecanut	Chirayat leaf	Management of root grub in arecanut
6	Arecanut	Cassava extract	Management of budrot

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

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

10.G. Field activities

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

10.H. Activities of Soil and Water Testing Laboratory

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 : (2005-2010 March)

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil Samples	**411**	**316**	**128**	**98008-00**
Water Samples	**136**	**120**	**86**	
Plant samples	**-**	**-**	**-**	
Manure samples	**-**	**-**	**-**	
Others (lime)	**11**	**6**	**6**	
Total	**558**	**442**	**220**	**98008-00**

Details of samples analyzed during the reporting period : (2009 April-2010 Mrach)

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized
Soil Samples	**92**	**43**	**43**	**27550-00**
Water Samples	**23**	**20**	**20**	
Plant samples	**-**	**-**	**-**	
Manure samples	**-**	**-**	**-**	
Others (lime)	**5**	**5**	**5**	
Total	**115**	**68**	**68**	**27550-00**

PART XII IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
CMS method of pepper propagation	235	81	In old system of propagation techniques Rs. 2.00/- seedling was the production cost	Production cost has come down to Rs. 0.60/ seedling
Artificial Jewellary Making	35	75	-	On an average net Rs. 50.00/ week
Agar batti preparation	98	38	Rs. 40/- day income and about 85-90 days work either has agril labour or by flower wending petty shop etc.	Rs. 65-80/- day and about 140-150 day work
Mushroom production	145	23	-	Producing 30-40 kg of mushroom/ month and getting net income of Rs. 600-800/ month
Bamboo crafts	68	75	-	Earning net income of Rs. 3000 to 4000 per annum by selling bamboo handy crafts
Processing of fruits and vegetables	60	10	-	Earning Rs. 250-350/ month
Trichoderma Multiplication	120	40	-	60-80 kg of Trichoderma is produces and used for managing wilt disease in Pepper
Cultivation of paddy varieties (Abhilash & MO-4)	180	45	Rs. 2000=00 per acre	Rs. 3000=00 per acre
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

(Please furnish detailed information for each case)

1. Management of Rhizome rot of Ginger: Ginger is one of the major spice crops grown Uttara Kannada District occupying an area of 10000ha. In the recent past the crop losses is a major concern due to heavy incidence of Rhizome rot which is caused by both fungus and bacteria. The growers are experiencing loss to the tune of 80%. Hence the scientists of Krishi Vigyan Kendra and EEU, Sirsi have made efforts to manage this disease by conducting demonstrations in farmers fields of Uttara Kannada involving various chemicals and varieties. Variety of Himachal is found to be tolerant to rhizome rot and is being adopted for large scale production by farmers in Uttara Kannada and adjoining districts to the tune of 25% in the recent years. This variety is also known to yield better than ruling variety Rio- De-Jenerio and Banavasi local variety.

2. Arecanut koleroga management through plastic covering: Kole roga is one of the major diseases of Arecanut which has threatened the cultivation of the crop causing yield loss up to 60%. Farmer used to spray only Bordeaux mixture (BM) 1% (2-3 times in a season). However due to untimely availability of labours and method of preparation & spray of BM the disease couldn't be controlled. University recommendation (spray BM and cover with plastic covers) also becomes cumbersome and tedious. Therefore to reduce labour, minimizing disease incidence and maximizing yield an alternate practice (ie. covering the bunches only with plastic covers) was practiced by the farmers of Uttara Kannada and this has yielded good response in reducing the disease incidence and the sale of plastic cover has increased from 50-150qtl/year. In the recent years the farmers are showing keen interest in the use of plastic covers for managing Kole roga of arecanut.

3. Jackfruit papad making: Jackfruit is one of the indigenous fruit crop of western ghats , which is not yet exploited commercially. The fruit is being used as fresh and processed forms only at house hold level. Very few farmers and SHGs are involved in commercial exploitation of this fruit. But they have failed in maintaining the quality as well as the marketing strategies. Hence KVK planned to conduct trainings to farmers as well as SHGs on value addition to this indigenous fruit which could made available during off season also. The KVK imparted training to several housewives/SHGs in preparation of quality jackfruit papad and packaging . After under going this training many of them have produced quality papads and marketing them to adjoining districts as well. 3 to 4 SHGs formed by KVK are actively involved in commercial preparation of quality papads to the tune of 30,000-40,000/year. This has improved their socio-economic status.

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

1. Yield Maximization in Banana Through High density Planting: Spacing at 7'X4'X3' was demonstrated through OFT and State level seminarwas organized to popularize the technology. This technology accommodates double the number of plants i.e, 6600/ha compared to 3000 plants/ha in the traditional method. The yield levels in this high density planting have been reported at 181.25 t/ha as compared to 60 t/ha in traditional method. This technology is being implemented by the farmers of Uttara Kannada, Bidar, Belgaum, Gulbarga, Raichur farmers with a great interest and it is known to be promising in the farmers fields.

2. Vocational training programme on Apiary: A 5 day vocational training programme on Preparation of Bamboo articles and cultivation technology was organized at KVK,UK, Sirsi for rural women; 18 women participants took part in the vocational training programme .

3. Jalodhara Mapaka – A tool for Management drainages in arecanut garden: As Uttara Kannada receives heavy rainfall (2800 mm) and cultivation his practiced in vallies. Water locking is the major problems. This has lead to lot many problems like root grub, anabe, dropping and splitting of nuts in arecanut etc. The farmers are unable to manage the underground water in the vicinity of root zone because of poor design of drainage. Realizing this problem, Dr. Hemant Hegde PC KVK, Sirsi has developed a simple, low cost equipment to monitor the underground water. This technology cost effective and simple and it is being popularized among the farming community to a greater extent has yielded fruitful results. The farmers are coming forward to adopt this technology and solve their problems.

Agro forestry has an income generation and resource providing component for the agricultural system in the district has been identified. Vast areas of bettalands , fence bunds and barran lands are potential places for Multi Purpose Tree Species (MPTS) cultivation is regard this KVK has taken up education, popularization and demonstrations of agro forestry systems, among the notable developments the demonstrations of energy plantations, industrial raw materials, and cottage scale industrial material were popularized. *Acacia auriculiformis* estimated to yield Rs.1.4 Lakhs/ha in 7 year rotation. Bamboo (*Oxytenanthera stocksii*) are expected to yield Rs.30.000 to Rs.35,000 per year which have been planted in 2005. A MPTS-Pongamia planted in farmers bettaland in Vanalli has caught up the interest of farmers. It has been suggested by KVK to meet the farmers requirement of afforestation, soil conservation, leaf litter availability, manure and as a source of non edible oil from its seed. The demonstrations of 3ha during 2007-08 has created interest among farmers who wish to take up approximately 50ha during this year. There is scope for expansion upto 500ha in the district.

4. **Farmers Tour**:Farm women who under went vocational training on bamboo products visited Deshpande Rudsetti and Manchikeri. Here the farm women got information on various equipments/techniques used for preparing bamboo articles.

5. Popularization of improved groundnut variety: Groundnut variety DH-86 is popularized for summer cultivation on paddy fallows, which gives on an average 2q higher yield than traditionary grown TMV-2 in the region.

PART XII - LINKAGES

12.A. Functional linkage with different organizations

Sl. No	Name of organization	Nature of linkage
1	Sri Kshetra Dhrmastala Grameenabhivrudhi Yojane (SKDRDP)	Training, Field visits, Method demonstration, Seminars.
2	JSS, Mysore	Training, Field Visits, Method Demonstrations
3	State Dept. of Agriculture	Trainings, demonstrations, seminars and field days.
4	State Dept. of Horticulture	Training programmes, demonstrations, seminars and field days, NHM Activities.
5	Thotagar's Service Soceity, Sirsi	Trainings, input procurement, seminars.
6	State Dept. of Animal husbandry & Veterinary Sciences	Animal Health Camps, trainings.
7	Grameen Banks	Guidance to beneficiaries about schemes in Trainings
8	Rotary / Lions club / Junior chamber	Trainings
9	BAIF, Institute for rural development	Trainings, demonstrations.
10	Water shed department	Trainings.
11	All India Radio, E-TV and Door Darshan	Publicity and transfer of technology
12	Kadamba charitable trust, Sirsi	Trainings, method demonstration, meetings , Seminars.
13	Snehakunja Charitable Trust, Honnavar	Training & method demonstration.
14	Farmers clubs	Trainings, demonstrations, seminars and field days.
15	D- RUDSETI, Haliyal and Mundgod	Trainings, demonstrations and field days.

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

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.	Farm School	Funded by JDA, Karwar	Implemented in Apsarakonda village of Honnavar taluk

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

S. No.	Programme	Nature of linkage	Constraints if any
-	-	-	-

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

S. No.	Programme	Nature of linkage	Remarks
-	-	-	-

PART XIII- PERFORMANCE OF INFRASTRUCTURE IN KVK

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

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

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

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.	Cost of inputs	Gross income	
Cereals									
Pulses									
Oilseeds									
Fibers									
Spices & Plantation crops									
Floriculture									
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	Trichoderma	50	600.00	6000.00	

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

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

13.E. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
April 2009	110	20	
May 2009	10	9	
June 2009	31	9	
July 2009	10	22	
Aug. 2009	13	29	
Sept. 2009	27	19	
Oct. 2009	37	28	
Nov. 2009	14	22	
Dec. 2009	8	26	
Jan. 2010	8	17	
Feb. 2010	27	19	
March 2010	16	23	

13.F. Database management

S. No	Database target	Database created

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

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

PART XIV - FINANCIAL PERFORMANCE

14.A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Branch code	Account Name	Account Number	MICR Number	IFSC Number
With Host Institute	SBI	Dharwad	03151	Comptroller,UASD	1002545154		
With KVK	SBI	Sirsi	0197	PC, KVK,UK,Sirsi	301578095325	581002401	0000917

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	-	17500	-
Extension activities	-	2500	-	2500	-
TA/DA/POL etc.	-	3750	-	2991	759
TOTAL		23750		22991	759

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

I. Blackgram

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2010
	Kharif 2009	Rabi 2009-10	Kharif 2009	Rabi 2009-10	
Inputs	-	35000	-	29300	5700
Extension activities	-	5000	-	4180	820
TA/DA/POL etc.	-	7500	-	2800	4700
TOTAL	-	47500	-	36280	11220

II.. Greengram

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2010
	Kharif 2009	Rabi 2009-10	Kharif 2009	Rabi 2009-10	
Inputs	-	35000	-	33750	1250
Extension activities	-	5000	-	4135	865
TA/DA/POL etc.	-	7500	-	5948	1552
TOTAL	-	47500	-	43833	3667

14.D. Utilization of funds under FLD on Cotton *(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	70000	-	69700	-	300
Extension activities	30000	-	24445	-	5555
TA/DA/POL etc.					
TOTAL	100000	-	94145	-	5855

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**	3000000	3000000	2496217
2	**Traveling allowances**	100000	100000	102767
3	**Contingencies**			
A	Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines)	200000	200000	145796
B	POL, repair of vehicles, tractor and equipments	145000	145000	131511
C	Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained)	90000	90000	55470
D	Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training)	60000	60000	38596
E	Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year)	163000	163000	142572
F	On farm testing (on need based, location specific and newly generated information in the major production systems of the area)	72000	72000	45272
G	Training of extension functionaries	10000	10000	1156
H	Extension activities	25000	25000	23290
I	Maintenance of buildings			
J	Establishment of Soil, Plant & Water Testing Laboratory			
K	Library	10000	10000	8400
L	Farmers Field School	25000	25000	12828
	TOTAL (A)	**3900000**	**3900000**	**3203875**
B. Non-Recurring Contingencies				
1	**Works**			
2	**Equipments including SWTL & Furniture**			
3	**Vehicle** (Four wheeler/Two wheeler, please specify)			
4	**Library** (Purchase of assets like books & journals)			
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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	184127	34551	4320	214358
April 2008 to March 2009	214358	23266	25	237599
April 2009 to March 2010	237599	69697	39699	247597

* Rs.20000/- first installment returned to ICAR

14.F. Status of Training revolving fund (Rs. in lakh)- created under institutional grants on sponsored training programme- 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	105401	105706	6652	203855
April 2008 to March 2009	203855	35718	120000	119573
April 2009 to March 2010	119573	11247	-	130820

PART XV - OTHERS

15. Please include information which has not been reflected above (write in detail).

Instructions

Sl.No.	Instructions
1.7	Under demonstration unit, kindly give name of unit. Source of funding must be mentioned
3.B.	This should tally with the thrust areas given in Sl.No.2.7
3.B2.	This can be made in landscape table
4.A1 to 4.B.4	Total of 4.A.1 should tally with 4.B.1, 4.A.2 with 4.B.2, 4.A.3 with 4.B.3. and 4.A.4 with 4.B.4
5.A.	For example thematic area – popularization of variety, and under this thematic area if two varieties have been popularized, please give separately.
5.A and 5.B	Kindly ensure that hybrids mentioned are really hybrids and then incorporate in the appropriate column
4.A, 4.B, 4.C, 5.A and 5.B	In case of all OFTs and FLDs, raw data (data on OFT and FLD on individual farmers basis) is required to be maintained at KVK level carefully and all data for this report must be compiled based on the raw data.
7 .A to 7.H	Please ensure that the total figures are tallying properly
Part VIII	Extension activity under celebrations for each important day, please insert separate rows and give appropriate data separately. Clubbing of data may be avoided.
10.A	Monthly, quarterly and Annual Report of KVK are compilation reports only and need not be considered as Technical Reports.
Cover page	**For sending to ZPD, cover page should be same as given in the first page of the format. In other words no need of putting photographs and other picture formats. The same may be included while submitting the final Annual Report during Annual Review Workshop.**

Annexure

I. MOBILE ADVISORY SERVICES

Name. of KVKs	No. of SMSs sent	No. of farmers benefited
-	-	-

II. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS

Number of KVKs organised Technology Week	Types of Activities	No. of Activities	Number of Participants	Related crop/livestock technology
	Gosthies	1	30	Arecanut, Paddy and fodder
	Lectures organised	8	127	Paddy,Arecanut, Cocoa, Organic Farming, CMS technology of black pepper , Soil fertility Management, IG Activities, Nutrition, Mushroom Production,Plant Protection and Fodder
	Exhibition	1	322	Topics related to Agriculture, Horticulture, Processing and IG Activities
	Film show	02	38	Vermi Compost, Plant Propogation Techniques, Paddy Transplanting
	Fair	-	-	-
	Farm Visit	04	23	Agriculture and Horticulture crops
	Diagnostic Practicals	04	38	P.P. measures in arecanut,ginger,paddy, Soil smpling, Mushroom, Vegetable nutrition garden,Scientific Bordeux mixture preparation and testing
	Distribution of Literature (No.)	04	-	BPH, Mushroom, Soil Testing, Ginger
	Distribution of Seed (q)	01	-	2Kg velvet beans , Different vegetable seeds
	Distribution of Planting materials (No.)	01	-	100 Pepper rooted cuttings
	Bio Product distribution (Kg)	01	-	100g of rooting harmone,
	Bio Fertilizers (q)	04	-	Trichoderma, Rhizobium,PSB, Azospirillum (8 Kg)
	Distribution of fingerlings	-	-	-
	Distribution of Livestock specimen (No.)	-	-	
	Total number of farmers visited the technology week		325	

III. INTERVENTIONS ON DROUGHT / FLOOD MITIGATION

(Uttara Kannada district observed floods during the season in Sirsi, Honnavar and Karwar taluks . Flood mitigation activities were taken up in Karwar taluk)

A. Introduction of alternate crops/varieties

State	Crops/cultivars	Area (ha)	Number of beneficiaries
Karnataka			
	Black gram DU-1	2.5	5
	Nutrition Vegetable Garden- Onion, Chilly, Tomato, Brinjal, Cluster Bean, Raddish , Peas, Leafy vegetables	1 acre	12

B. Major area coverage under alternate crops/varieties - NIL

Crops	Area (ha)	Number of beneficiaries
Oilseeds		
Pulses		
Cereals –Paddy	10	25
Vegetable crops		
Tuber crops		
Total		

C. Farmers-scientists interaction on livestock management –nil---

State	Livestock components	Number of interactions	No.of participants
Total			

D. Animal health camps organised ---nil----

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

E. Seed distribution in flood hit states

State	Crops	Quantity (qtl)	Coverage of area (ha)	Number of farmers
Karnataka	**Paddy**	**1.25**	**2.0**	**5**
	Black gram	**0.50**	**2.5**	**5**
Total		**1.75**	**4.5**	**10**

F. Large scale adoption of resource conservation technologies

State	Crops/cultivars and gist of resource conservation technologies introduced	Area (ha)	Number of farmers
Karnataka	**Soil and Water conservation**	**5.0**	**12**
Total			

G. Awareness campaign

State	Meetings		Gosthies		Field days		Farmers fair		Exhibition		Film show	
	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers	No.	No.of farmers
	02	17	-	-	-	-	-	-	-	-	01	25
Total	02	17	-	-	-				-			