

ANNUAL REPORT 2008-09

(FOR THE PERIOD OCTOBER 2008 TO SEPTEMBER 2009)

**Taralabalu Krishi Vigyan Kendra, Davanagere
Kadalivana, LIC Colony Layout, B.I.E.T. Road,
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Taralabalu KVK, Davanagere

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PART I - GENERAL INFORMATION ABOUT THE KVK**1.1. Name and address of KVK with phone, fax and e-mail**

Address	Telephone		E mail	Web Address
	Office	FAX		
Taralabalu Krishi Vigyan Kendra Kadalivana, LIC Colony Layout, B.I.E.T. Road, Davanagere – 577 004	08192 – 263462	08192 – 260969	dvgtkvk@yahoo.com	--

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

Address	Telephone		E mail	Web Address
	Office	FAX		
Taralabalu Rural Development Foundation Sirigere – 577541 Chitradurga (Dist.)	08194 – 268829, 268842	08194 - 268847	trdf@taralabalu.org	www.taralabalu.org

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Devaraja T.N.	--	094498 – 56876	tngdevaraja@yahoo.co.uk

1.4. Year of sanction: 2004

1.5. Staff Position (as on 31st August 2009)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	M/F	Discipline	Highest Qualification (for PC, SMS and Prog. Asstt.)
1	2	3	4	5	6	7
1	Programme Coordinator	Dr. Devaraja T.N.	Programme Coordinator	M	Fisheries	Ph.D. (Aquatic Biology)
2	Subject Matter Specialist	Mr. Basavanagowda M.G	Subject Matter Specialist	M	Horticulture	M.Sc. (Hort.)
3	Subject Matter Specialist	Mr. Mallikarjuna B.O	Subject Matter Specialist	M	Agronomy	M.Sc. (Agri.)
4	Subject Matter Specialist	Dr. Jayadevappa G.K.	Subject Matter Specialist	M	Animal Science	M.V.Sc. (Animal Nutrition)
5	Subject Matter Specialist	Mr. Raghuraja J.	Subject Matter Specialist	M	Agriculture Extension	M.Sc.
6	Subject Matter Specialist	Mr. Prasananna Kumara N.	Subject Matter Specialist	M	Plant Protection	M.Sc. (Agri.)
7	Subject Matter Specialist	Dr. Pradeep H.M.	Subject Matter Specialist	M	Soil Science	Ph.D. (Soil Science & Agricultural Chemistry)
8	Programme Assistant (Lab Tech.)/T-4	Miss. Kavitha P.	Programme Assistant (Lab Tech.)	F	Home Science	M.H.Sc. (Human Development)
9	Programme Assistant (Computer)/ T-4	Mr. Santhosh B.	Programme Assistant	M	Computer	B.Sc. (Computer Science)
10	Programme Assistant/ Farm Manager	Mr. Vijayakumar S.B.	Programme Assistant	M	Farm Manager	M.Sc. (Plant Breeding & genetics)
11	Assistant	Mr. Mallikarjuna S.Gudihindala	Assistant	M	Assistant	B.Com.
12	Jr. Stenographer	Mrs. Mamatha H. Melmalagi	Jr. Stenographer	F	Jr. Stenographer	B.Com. + Shorthand
13	Driver	Mr. Marulasiddaiah N.M.	Driver	M	Driver	BA
14	Driver	Mr. Shivakumara S.	Driver	M	Driver	S.S.L.C.
15	Supporting staff	Mr. Shivakumara B.	Supporting staff	M	Supporting staff	S.S.L.C.
16	Supporting staff	Mr. Shivakumara S.E.	Supporting staff	M	Supporting staff	S.S.L.C.

Name of the incumbent	Pay Scale	Basic pay	Date of joining KVK	Permanent /Temporary	Category (SC/ST/OBC/ Others)
3	8	9	10	11	12
Dr. Devaraja T.N.	12000-420-18300	12840	17-05-05	Permanent	Others
Mr. Basavanagowda M.G	8000-275-13500	8550	21-11-06	Permanent	Others
Mr. Mallikarjuna B.O	8000-275-13500	8275	09-01-08	Permanent	Others
Dr. Jayadevappa G.K.	8000-275-13500	8275	29-01-08	Permanent	Others
Mr. Raghuraja J.	8000-275-13500	8275	23-06-08	Permanent	Others
Mr. Prasananna Kumara N.	8000-275-13500	8275	24-06-08	Permanent	Others
Dr. Pradeep H.M.	8000-275-13500	8275	25-06-08	Permanent	Others
Miss. Kavitha P.	5500-175-9000	6200	01-06-05	Permanent	OBC
Mr. Santhosh B.	5500-175-9000	5500	05-09-08	Permanent	Others
Mr. Vijayakumar S.B.	5500-175-9000	5500	23-06-08	Permanent	Others
Mr. Mallikarjuna S.Gudihindala	5500-175-9000	8125	01-06-05	Permanent	OBC
Mrs. Mamatha H. Melmalagi	4000-100-6000	4400	06-06-05	Permanent	Others
Mr. Marulasiddaiah N.M.	3200-85-4900	3455	01-06-05	Permanent	Others
Mr. Shivakumara S.	3200-85-4900	3455	01-06-05	Permanent	Others
Mr. Shivakumara B.	2550-55-2660-60-3200	2780	01-06-05	Permanent	Others
Mr. Shivakumara S.E.	2550-55-2660-60-3200	2780	01-06-05	Permanent	Others

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.75
2.	Under Demonstration Units	0.25
3.	Under Crops	8
4.	Orchard/Agro-forestry	5
5.	Others	--
Total		15

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	2	3	4	5	6	7	8	9
1.	Administrative Building	ICAR	04-01-2008	550	29.37	--	--	--
2.	Farmers Hostel	ICAR	04-01-2008	300	18.82	--	300	Completed
3.	Staff Quarters	ICAR	04-01-2008	400	19.40	--	400	
	1	--	--	--	--	--	--	
	2	--	--	--	--	--	--	
	3	--	--	--	--	--	--	
	4	--	--	--	--	--	--	
	5	--	--	--	--	--	--	
	6	--	--	--	--	--	--	

1	2	3	4	5	6	7	8	9
4.	Demonstration Units	ICAR	04-01-2008	160	6.41	--	--	Completed
	1. Dairy unit					--	--	
	2. Mushroom unit and Vermicomposting enriching unit.	--	--	--	--	--	--	
5	Fencing	--	--	--	--	--	--	Sanctioned and grants awaited
6	Rain Water harvesting system	--	--	--	--	--	--	Not applicable
7	Threshing floor	--	--	--	--	--	--	Sanctioned and grants awaited
8	Farm godown	--	--	--	--	--	--	

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total kms. Run	Present status
Tempo Cruiser	2005	4,99,250/-	76828	Good
Tractor & Trailer	2005	4,99,995/-	1317 hr.	Good
Hero Honda CD Deluxe	2006	39,298/-	24679	Good
Power tiller (Funded by Cotton FLD)	2008	99,400/-	--	Good
Yamaha Alba	2009	48,309/-	2200	Good

C) Equipments & AV aids

Name of the equipment	Year of purchase	Cost (Rs.)	Present status
Mixer	2005	3,300/-	Good
Xerox Machine	2006	73,840/-	Good
Digital Camera	2006	19,900/-	Not in working condition
Over Head Projector	2006	19,935/-	Good
TV with DVD Player (Funded by SHIMUL)	2006	11,350/-	Good
Refrigerator (LG)	2007	10,000/-	Good
Computer +LCD	2007	1,00,103/-	Good
VRC System (Funded by UAS, Bangalore)	2008	--	Good
Fax (4 in one)	2009	15,000/-	Good

1.8. A). Details SAC meeting conducted in 2008-09

Sl. No.	Date	Number of Participants	No. of absentees	Salient Recommendations	Action taken
1	2	3	4	5	6
1.	23-10-08	24	02	To increase the number of FFS and training programmes as the fund is available for this under ATMA project.	This time Farmers Field School is being planned on Paddy crop. But, Under ATMA project no progress is made in FFS
				To take up Freshwater Prawn Cultivation in farmers field – 15000 seeds are available in ZARS Shimoga.	Fresh water prawn and fish culture is planned and will be executed shortly in Harapanahalli and Harihara (Tq)
				To start plant health and disease diagnostic centre.	The ICAR has given sanction for starting the plant health and diagnostic centre at KVK during this financial year

1	2	3	4	5	6
1.	23-10-08	24	02	To document the horizontal spread of technologies demonstrated by KVK by conducting success story, case study and by conducting impact studies of effective FLDs and OFTs.	Conducted impact study of training programme on “Production of vermicompost and its importance in agriculture” and planned to conduct impact study on FLD Cotton in Anajigere and Budihal of Harapanahalli taluk
				To increase the animal science activities.	We have taken initiation to start dairy unit with indigenous breeds of cattle. A proposal has been submitted to ICAR for sanction and release of money for dairy unit. Azolla unit is functioning well. Three types of fodder crops are being cultivated. Also decided to start sheep and goat, poultry units at KVK.
				To establish Commodity Interest Groups in various crops.	The department of Bio-technology has sanction one project to establish Bio-resource complexes at village level. We have targeted to form CIGs (Common Interest Groups) this year in the selected villages.
				To improve the revolving fund status, produce more of technological products for sale not just grains. Produce some items which farmer cannot produce in their conditions and provide them at nominal cost namely – Seeds, bio-fertilizers, bio-pesticides, livestock.	We have taken up many programmes to improve the status of revolving fund and this will be done during this year.
				Suggested to adopt crop rotation in maize crop as growing maize every year is detrimental to soil health.	We have conducted a few training programmes on maize crop cultivation. This year the number of programmes will be further increased.

1	2	3	4	5	6
2.	22-05-09	18	10	To taken up one FFS every year depending upon the thrust area and document the results properly.	FFS on Paddy (ICM) is conducted during Kharif 2009-10, Several parameters are documented.
				Krishi Vigyan Kendra to provide technical advisory service to ATMA, to develop technology models suitable for the district and arrange interface between farmers and scientists	Technical advises are extended to ATMA by KVK SMS as resource persons. Arranged 2 interface meetings between farmers and scientists – one during National fish farmers day and other with BARC scientist.
				To implement a few technologies brought from Namakal and Dharmapuri KVKs especially on precision farming and Marketing network, Animal husbandry units.	Fodder demo plots, Azolla production unit, Cotton precision farming unit are established during this Kharif 2009-10
				To make arrangements for the celebration of ‘Technology Week’ at TKVK instructional farm	Crop courts of FLDs and OFTs are prepared. Other demo units are geared up for technology week. It is proposed during 2 nd week of October 2009
				To take up one demonstration from each sanctioned FLD in Krishi Vigyan Kendra instructional farm which helps greatly in Technology week celebration. FLD should address the local problem.	It is carried out as advised by the council.
				To include details of economics involved in each enterprise (IFS oriented) while developing brochures.	It is noted and included in our new brochures.
				To establish laboratory under revolving fund account for the production of Trichoderma.	Laboratory is made ready. Production is under way.

1	2	3	4	5	6
2.	22-05-09	18	10	To make impact study of dairy training programme under RSVY scheme (at least one village)	It is carried out this kharif 2009-10 in Kenchanahalli village of Harihara taluk.
				To invest money for developing technology products under revolving fund account. For this purpose take proposals from different SMSs and allot money accordingly as far as possible produce materials required for FLDs.	Vermicomposting unit, Earthworms production unit, Azolla unit, fish seed production unit, drumstick, nursery, fodder plots are established to provide quality materials for FLDs.
				To involve Home Science Specialist in FLDs wherever possible especially in Horticulture and Animal Science.	It is planned during this Kharif (2009-10)
				To launch Krishi Vigyan Kendra website at the earliest.	Website is ready and to be launched within this year (2009).
				To refer 'Case Study Book' (Models of Technology Delivery Mechanism –Experience of KVKs) developed by ICAR office by each SMS.	All SMS have read through the said book and drawn inspiration to emulate the successful technologies.
				To take 5-6 farmers to Dharmapuri for seeing precision farming (Farmer-Farmer interface)	It is planned during this summer (2009-10).
				To take technologies developed by UAS, Bangalore for assessment and give report.	Six technology of UAS (B) are being assessed this year (2009-10).
				To develop small Animal Husbandry units viz., Sheep, Goat, Poultry (Turkey), Gir bull semen collection centre etc.	Units of sheep, goat and poultry are planned and will be established this year (2009).

PART II - DETAILS OF DISTRICT**2.1 Major farming systems**

S. No	Farming system
1	Rainfed : Ragi, Maize, Sorghum, Minor millets, Red gram, Black gram, Green gram, Bengal gram, Groundnut, Sunflower, Coconut, Mango, Cotton, Onion
2	Irrigation : (33%) Flood irrigation: Rice, Sugarcane, Arecanut, Vegetables Drip irrigation : Arecanut, Coconut, Pomegranate, Papaya, Sapota, Betel vine
3	Enterprise: Poultry, Fishery, Dairy, Sericulture, Vermicomposting

The Taralabalu Krishi Vigyan Kendra is situated in Davanagere district. The district occupies a total geographical area of 5913.4 sq. km. It is spread over 6 taluks, 35 hoblies and 232 gram panchayaths. According to 2001 censuses, the district comprises total population is 17,90,952, out of which 9,17,705 are male and 8,73,247 are female. The district is primarily agrarian in character and more than 75% of its population depending directly / indirectly on agriculture for their livelihood.

Davanagere district is at center of the state and lies in between latitude of the 75⁰.30' and 76⁰.30' and longitude of 13⁰.45' and 14⁰.50'. The average rainfall of the district is 644 mm. The variety of soil is medium to deep black and red sandy loam. The district is essentially Kharif region and majority Rabi crops will be taken up with the help of irrigation from Bhadra canal. The district comprises of three agro climatic zones of Karnataka as below.

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

S. No	Agro-climatic Zone	Characteristics
1	Northern Dry Zone (Zone III)	The zone comprises Harapanahalli Tq. Major soil types of the zone are black and red soils. The main crops growing in the zone are Ragi, Maize, Jowar, Onion, Chilli, Sunflower and Minner millets, Coconut, Mango and Pomegranate.
2	Central Dry Zone (Zone IV)	Jagalur, Harihara and Davanagere Taluks come under Zone IV. We find red sandy soil mixed with clayey soil land patches of black soil in the zone. Major crops include Maize, Rice, Jowar, Sunflower, Sugarcane, Ragi, Minor millets, Vegetables, Coconut, Arecanut, Beetlevine, Groundnut, and Pomegranate.
3	Southern transitional Zone (Zone VII)	Southern transitional zone includes Channagiri and Honnali taluks. The dominating soil types found are red sandy soil and black cotton soil. Major crops growing the zone are Maize, Rice, Ragi, Cotton, Chilli, Jowar, Groundnut, Arecanut, Coconut, Mango and other Commercial crops.

S. No	Agro ecological situation	Characteristics
1	Southern Plateau and Hills	Typical semi-arid zone; About 80 % of the area falls under rainfed farming; Cropping intensity is very low. Soils are shallow and medium, loamy red, Major crops are Rice, maize, sugarcane, Arecanut, coconut and millets.

2.3 Soil type/s

S. No	Soil type	Characteristics	Area in ha
1	Red Sandy Soil (Harihara, Channagiri, Jagalur, Davanagere Tq.)	Low water holding capacity Neutral pH Low Nitrogen content Medium in Phosphorus and Potash	1, 26,000
2	Deep to Medium Deep Black Soil (Jagalur, Davanagere, Harapanahalli)	High water holding capacity Neutral to Alkaline pH Medium in Nitrogen and Phosphorus High Potassium	54,000
3	Mixed Red and Black Soil (Honnali, Jagalur, Harapanahalli)	Medium water holding capacity Neutral pH Medium in Nitrogen, Phosphorus and Potassium content	1, 62,000
4	Sandy Loam Soil (Harapanahalli, Davanagere)	Poor water holding capacity Neutral pH Deficient in Nitrogen, Phosphorus and Potassium	18,000
Total			3, 60,000

2.4. Area, Production and Productivity of major crops cultivated in the district (2008-09)

S. No	Crop	Area (ha)	Production (Metric tons)	Productivity (kg/ha)
1	2	3	4	5
I	CEREALS			
1	Rice	62835	5200	326742
2	Jowar	17190	1918	32976
3	Bajra	549	700	384.3
4	Maize	175656	4002	702978
5	Ragi	15912	1499	23845.5
6	Wheat	--	--	--
7	Navane	524	500	262
8	Save	--	--	--

	Total Cereals	272666	3987	1087188.2
1	2	3	4	5
II	PULSES			
1	Redgram	8051	1003	8074.6
2	Blackgram	163	500	43.195
3	Horsegram	1125	850	956.25
4	Greengram	2123	450	955.35
5	Avare	1482	398	590.2
6	Cowpea	1385	430	595.55
7	Bengalgram	--	--	--
	Total Pulses	14329	783	11215.145
	Total Food crops	286995	3827	1098403.35
III	OIL SEEDS			
1	Groundnut	16851	953	16063.7
2	Castor	666	944	628.704
3	Sesamum	1452	750	1089
4	Linseed	--	--	--
5	Soybean	125	--	--
6	Niger	598	265	158.47
7	Mustard	265	216	57.24
8	Sunflower	8569	1024	8778.6
9	Safflower	--	--	--
	Total	28526	939	26775.714
IV	COMMERCIAL CROP			
1	Cotton	11013	245	15893.8235
2	Sugarcane	5832	115	670680
3	Tobacco	130	550	71.5
	Total	16975	--	--
	GRAND TOTAL	332496	--	--

Source: Department of Agriculture, Davanagere.

AREA UNDER HORTICULTURE CROPS IN THE DISTRICT (2008-09)

Crops	Area (in hectares)	Production (in tons)	Yield (tons/hectare)
1	2	3	4
Fruit Crops			
Mango	2748.00	27040.00	9.84
Banana	2167.20	60075.00	27.72
Lemon	53.20	1252.00	23.53
Sweet orange	519.00	9411.00	18.13
Guava	16.00	335.00	20.94
Sapota	851.10	8898.00	10.45
Pomogranate	194.10	2101.00	10.82
Papaya	251.00	20160.00	80.32
Fig	5	62.50	12.50
Vegetable Crops			
Tomato	1914.20	47270.00	24.69
Brinjal	549.40	13735.00	25.00
Sweet potato	16.00	208.00	13.00
Onion	3851.10	77022.00	20.00
Beans	125.80	1333.00	10.60
Green chilly	1255.2	13287.80	10.59
Cabbage	27.4	602.8	22.00
Knol-Khol	2.00	4.00	2.00
Cauli flower	10.00	180.00	18.00
Bhendi	333.80	2580.40	7.73
Radish	100.40	1084.80	10.80
Beetroot	19.10	343.80	18.00
Carrot	2.80	56.00	20.00
Capsicum	18.80	282.00	15.00
Cluster bean	11.20	78.40	7.00

1	2	3	4
Leafy Vegetables			
Menthi	10.40	32.00	3.08
Palak	7.00	70.00	10.00
Amaranthus	8.10	162.00	20.00
Curry leaves	25.20	180.80	7.17
Ground Vegetables			
Ash gourd	2.80	70.00	25.00
Snake gourd	8.00	132.50	16.56
Bitter gourd	55.20	432.10	7.83
Ridge gourd	63.00	504.00	8.00
Pumpkin	56.20	1656.00	29.47
Cucumber	223.00	3423.50	15.35
Little gourd	1.40	53.20	38.00
Gherkin	78.00	1.717.50	22.02
Spice Crops			
Pepper	13.00	3.25	0.25
Cardamom	1.00	0.06	0.06
Ginger	38.00	410.00	10.70
Tamarind	143.80	717.50	4.99
Turmeric	16.40	124.90	7.62
Garlic	34.00	248.00	7.29
Coriander	32.00	46.50	1.45
Vanilla	77.00	139.40	1.81
Garden/Plantation Crops			
Coconut	17321.00	1990.14	0.11
Arecanut	25232.00	33202.90	1.32
Beetelvine	1068.30	22318.50	20.89
Cocoa	81.40	46.34	0.57
Oil Palm	72.00	804.00	11.17
Cashew	22.00	44.00	2.00

1	2	3	4
Commercial Flowers			
Aster	22.00	220.00	10.00
Crossandra	54.80	274.00	5.00
Marigold	304.40	3042.00	9.99
Jasmine	255.44	345.70	2408.90
Chrysanthamum	500.00	8700.00	15.00
Rose	43.20	105.40	2.44

Source: Department of Horticulture, Davanagere.

2.5. Weather data

Month	Rainfall (mm)	Temperature °C		Relative Humidity (%)
		Maximum	Minimum	
October 2008	85.3	32.0	20.0	77.7
November	63.6	31.0	22.0	83.5
December	0.5	28.0	21.0	86.0
January 2009	--	34.3	24.0	78.0
February	--	35.0	23.0	70.0
March	28.9	36.0	26.0	61.0
April	19.7	36.0	27.0	73.9
May	151.5	35.0	23.0	76.1
June	88.6	31.0	25.0	79.8
July	136.8	31.5	22.0	81.3
August	140.6	30.0	20.0	79.6
September	--	30.0	22.0	82.3
Total				

Source: Department of Agriculture, Davanagere.

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

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	292231	--	5-6 lts milk/day
<i>Indigenous</i>	57139	--	--
Buffalo			
Sheep			
<i>Crossbred</i>	120	--	--
<i>Indigenous</i>	204786	--	--
Goats			
	112874	--	--
Pigs			
<i>Crossbred</i>	--	--	--
<i>Indigenous</i>	3100	--	--
Rabbits			
	102	--	--
Poultry			
	1520386	--	--
Hens	--	--	--
<i>Desi</i>	--	--	--
<i>Improved</i>	--	--	--
Ducks	--	--	--
Turkey and others	--	--	--
Category	Area	Production	Productivity
Fish			
<i>Marine</i>	--	--	--
<i>Inland</i>	6791 ha (Tanks) 3307 ha (Reservoir) 170km (River)	Total 6580 metric tones	1.5 tons / ha
Prawn	--	--	--
Scampi	--	--	--
Shrimp	--	--	--

Source: Department of Veterinary Sciences and Department of Fisheries, Davanagere.

2.7 Details of Operational area / Villages

Sl. No.	Taluks	Name of the block	Name of the villages	Major crops & enterprises being practiced	Major problems identified	Identified Thrust Areas
1	2	3	4	5	6	7
1	Davanagere	Davanagere Anagodu Mayakonda	Siddanur Haluvarti Belavanur Halebisleri Huvinamadu Ramagondanahalli Kurki Kandagal Yebebetur Hadadi Kukkuwada	Groundnut	- Continuous use of local variety - Collar rot, root rot and wilting - Tikka - No gypsum application - More energy, labour and time consumption for stripping and shelling	- HY and resistant variety - Seed treatment - Chemical control - Gypsum application - Use of Groundnut stripper and decorticator

1	2	3	4	5	6	7
1	Davanagere	Davanagere Anagodu Mayakonda	Siddanur Haluarhti Belavanur Halebisleri Huinamadu Ramagondanahalli Kurki Kandagal Yelebetur Hadadi Kukkuwada	Ragi, Maize Redgram	Local Varieties High seed rate Erratic rainfall	- Inter cropping, HYV, - Recommended seed rate - Intercropping
					Drudgery of farm women in farm & house hold Loss of grains/produce due to poor storage Wilting and pod borer	- Drudgery reducing measures in farm & house hold - Safe storage measures - HYV, IPM
				Value addition	Poor nutrition, no value addition	Family nutrition management, promotion of nutritional kitchen garden, post harvest technology to add value to the farm produce
				Sugarcane	Woolly aphid, narrow spacing, improper water management , trash burning, micronutrient deficiency , incidence of red rot and use of low yielding varieties	Integrated management of woolly aphid, management of red rot, recycling of crop wastes & nutrient management, paired row and popularization of resistant variety
				Rice	Scarcity of water, use of low yielding varieties, micronutrient deficiency, Severe infestation of BPH	- Aerobic rice cultivation, - Popularization and IPM in KRH-2 - Nutrient management
				Livestock Rearing	- Low milk production / low quality milk production - Infertility problems in cattle - Foot and mouth disease and mastitis	- Feeding and breeding - Disease control

1	2	3	4	5	6	7
1	Davanagere	Davanagere Anagodu Mayakonda	Siddanur, Halubarhti, Belavanur, Halebisleri, Huvinamadu, Ramagondanahalli, Kurki, Kandagal, Yelebetur, Hadadi, Kukkuwada, Mudahadadi, Bullapura, Duggammanapete, Basavanagowda camp	Soybean	- Mono cropping - Poor soil fertility - No value addition	- Crop rotation - Pulse crop - Importance of soybean and value added products
				Tank fisheries	- Low fish production per unit area (0.5 to 0.8 t per ha) - Incomplete technical know-how of aquaculture technology - Lower income per unit area	- Sustainable integrated fish farming with polyculture in farm ponds
				Drudgery reducing equipments	- Energy, labour and time consumption	- Use of Drudgery reducing implements in ragi, maize, sunflower, Rice, groundnut and vegetables
				Nutrition education	- Malnutrition among preschoolers and anemia among adolescent girls	- Importance of nutritious foods for preschoolers and preparation of low cost nutritious mixes - Importance of Iron and other nutrients during adolescent period
				Coconut	- Higher incidence of BHC and Mites. - Lower productivity	- Integrated Crop Management in Coconut - Root feeding with Monocrotophos - Release of parasite (<i>Goniozus nephentidis</i>)

1	2	3	4	5	6	7
1	Davanagere	Davanagere Anagodu Mayakonda	Haluvarthy	Banana	- Lower bunch weight due to improper nutrient management - Psuedostem weevil damage	- Integrated Crop Management in Banana - Stem injection
2	Harapanahalli	Harapanahalli Arasikere Telagi Chigateri	Anajigere, Budihal, Nandikamba, Ucchangidurga camp, Hulikatte, Kenchanayakanahalli Vyasathanda, Bheemanathanda	Cotton	- No RDF - Sucking pests - Boll worms - Leaf reddening and square drying	- Bt Cotton - Seed treatment - Growth regulators - Micronutrient and RDF - Integrated Pest Management
				Sunflower (Kharif)	- Genuine seeds - Bud necrosis and BHC - No micronutrients (Zinc and Boron) - Close Spacing	- Authenticated seeds - IPM - Micro nutrient spray - Recommended spacing
				Dry land Horticulture	- Low water availability - Major area in rainfed	- Promotion of fruit crops/ vegetable crops/ flower crops
				Fisheries	- Incomplete technical know-how of aquaculture technology - Lower income per unit area	- Composite fish culture in farm ponds
3.	Channagiri	Channagiri Santhebennur Devarahalli Pandomatti Basavapattana Tyavanagi	Basavapattana, Garaga, Mugalehalli, Harosagara, Marabanahalli, Kanchiganahal, Shettihalli, Kamsagara, Kotehal, Kanchugaranahalli, Daginakatte	Areanut	- Button shedding and infestation of mites	Micronutrient management IPM,
				Tomato Onion Brinjal French bean Cauliflower Potato	- Leaf curl - Improper nutrient management - Improper pest and disease management - Heavy incidence of DBM	TLCV sankranti , HYV Arka kalayan, IPM HYV Arka suvida, IPM

1	2	3	4	5	6	7
3.	Channagiri	Channagiri Santhebennur Devarahalli Pandomatti Basavapattana Tyavanagi		Ragi	- Improper spacing and nutrient management, pest and diseases	- Integrated Crop Management
				Coconut	- Low yield due to poor nutrient management	- IPM, nutrient management
				Livestock rearing	- Low milk production / low quality milk production - Infertility problems in cattle - Foot and mouth disease and mastitis	- Feeding and breeding - Disease control
4	Harihara	Harihara Malebennur	KN Halli, Hole sirigere, Yelavatti, Kenchanahalli	Tank fisheries	- Low fish production per unit area (0.5 to 0.8 t per ha) - Incomplete technical know-how of aquaculture technology - Lower income per unit area	- Sustainable integrated fish farming with polyculture in farm ponds
				Coconut	- Higher incidence of BHC and Mites. - Lower productivity	- Integrated Crop Management in Coconut - Root feeding with Monocrotophos - Release of parasite (<i>Goniozus nephentidis</i>)
5	Honnali	Nyamathi Kundur	Taraganahalli, Kenglahalli, Thirtharameshwara Belagutti	Onion, Vegetables	- Purple blotch in Onion - Damping off in vegetable nursery beds	- Use of poretrays and raised seed bed method, Use of disease resistant varieties and IPM
6	Jagalur	Jagalur Bilchodu Hosakere	Bidarekere, Bilchodu, Benchikatte, Obulapura, Koratikere, Didige, Bullanahalli	Onion	- Low productivity due to use of Local Variety(Jagalur local)	- Popularization of HYV Arka kalyan

1	2	3	4	5	6	7
6	Jagalur	Jagalur Bilchodu Hosakere	Bidarekere, Bilchodu, Benchikatte, Obulapura, Koratikere, Didige, Bullanahalli	Dry land Horticulture	- Low water availability - Major area in rainfed	- Promotion of fruit crops/ vegetable crops/ flower crops
				Ragi and minor millets	- Low yield - Local varieties - No bio-fertilizer - No micro nutrient application - No value addition	- High yield varieties - Seed treatment - Micro nutrient application - Value added products of Ragi
				Navane	- Low yield - Local varieties - No recommended dose of fertilizer - No micro nutrient application - No value addition	- Improved varieties - Seed treatment - Recommended dose of fertilizer - Value added products of Navane
				Livestock rearing	- Low milk production / low quality milk production - Infertility problems in cattle - Foot and mouth disease and mastitis	- Feeding and breeding - Disease control

2.8 Priority thrust areas

S. No	Thrust area
1	Integrated Nutrient Management in Maize, Ragi and Paddy
2	Integrated Pest Management in field and Horticulture crops
3	Integrated Crop Management in Cotton, Groundnut Sunflower, French bean and Onion
4	Integrated nutrient management in Coconut, Arecanut, Banana, Mango and Vegetable crops
5	Dry land Horticulture
6	Assessment of HYV in Vegetable crops
7	Use of Bio-pesticides
8	Family nutrition management (Low cost and high nutritious diet, kitchen garden)
9	Enrichment and value addition to cereals, pulses, vegetables and fruits (Maize, Ragi, Soybean)
10	Drudgery reduction for farm women (Groundnut stripper and decorticator)
11	Composite fish culture
12	Low production performance in dairy animals/small ruminants/ poultry bird
13	Poor livestock management practices
14	Quality clean milk production

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
10	04	63	20	34	25	465	267

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
154	93	4969	4083	775	791	5900	5600

Seed Production (Qtl.)		Planting material (Nos.)	
5		6	
Target	Achievement	Target	Achievement
--	--	Co-3	2000 cuttings
Styloxanthus	10 kg	Azolla	10 kg
--	--	Glyricidia	810 No.
--	--	Drumstick – 500	349

Livestock (No.)		Bio-products (Kg)	
7		8	
Target	Achievement	Target	Achievement
Milk 12000 L	600 L	Banana special	54 kg
Sheep meat 250-300 kg	--	Vegetable special	35 kg
Fisheries – 50 kg	51 kg	--	--

3.B.1 Abstract of interventions undertaken based on thrust areas identified for the district as given in Sl.No.2.7

S. No	Thrust area	Crop/ Enterprise	Identified Problem	Interventions	
				Title of OFT if any	Title of FLD if any
1	2	3	4	5	6
1	- INM and IPM	Paddy [TANU KMP (101)]	- Reduced yield due to sheath blight - Improper nutrient management	--	- Yield maximization and nutrient management in Paddy
2	- ICM	Maize (NAH-2049)	- Improper nutrient management (Potash) - No Micronutrient - Stem borer and tursicum leaf blight	--	- Yield and income maximization in Maize - Popularization of hybrid maize
3	- ICM	Ragi (GPU-28)	- Poor yield due to use of poor yielding local variety - Integrated nutrient management - No micro nutrients (Fe.)	--	- Production technology in high yielding variety - Improved production technology in Ragi based cropping system
4	- ICM	Navane (STA-326)	- Poor yield due to use of poor yielding local variety - Integrated nutrient management	--	- Improved production technology

1	2	3	4	5	6
5	- ICM	Same (S-203)	- Poor yield due to use of poor yielding local variety - Integrated nutrient management	--	- Improved production technology
6	- ICM	Cotton (MRC-6918)	- Square drying - Leaf reddening - Close spacing and improper nutrient management - Boll and flower drop - Sucking pests	--	ICM in Cotton
7	- Integrated Nutrient Management	Tomato	- Improper nutrition - Lower productivity	Nutrient management in Tomato	--
8	- Integrated Nutrient Management	Tomato	- Improper nutrition - Fruit cracking	Application of vegetable special in Tomato	--
9	- Integrated Nutrient Management	Banana	- Lower bunch weight - Poor quality fruits - Low yield	--	Foliar application of Banana special for higher yield
10	- Varietal evaluation	Chilli	- Use of local variety - Muruda complex - Higher flower drop	--	High yielding variety Samruddhi in Chilli for rainfed condition
11	- Varietal evaluation	Onion	- Purple blotch disease - Use of local varieties - Lower bulb size	--	Production technology of high yielding variety Arka kalyan in Onion

1	2	3	4	5	6
12	- Integrated Pest Management	Coconut	- Mites incidence - Poor quality of nuts - Lower yield	Integrated management of eriophid mite in Coconut	--
13	- Integrated Crop Management	Coconut	- Coconut Black Headed Caterpillar incidence - Mites infestation - Button shedding	Use of TNAU Coconut tonic to strengthen Coconut palms	--
14	- Integrated Crop Management	French bean	- Improper nutrition - Poor yield	--	Integrated Crop Management in French bean
15	- Integrated Crop Management and value addition	Soybean	- Mono cropping - Poor soil fertilities - No value addition	--	ICM in soybean
16	- Integrated Pest Management	Sugarcane	- Incidence of wooly aphid	--	wooly aphid resistant variety COVC-2003-165
17	- Integrated Pest Management	Coconut	- Higher incidence of CBHC	--	Integrated management of Black headed caterpillar in Coconut
18	- Integrated Pest Management	Tomato	- Higher incidence of fruit borer and wilt	--	IPM in tomato
19	- Integrated Pest and Disease Management	Tomato	- Bacterial wilt - Fruit borer - Sucking pest	--	IPDM in tomato

1	2	3	4	5	6
20	- Integrated Pest Management	Redgram	- No seed treatment - Use of local variety - Pod borer and wilt	--	IPM in redgram
21	- Integrated Pest Management	Bengalgram	- No seed treatment - Use of local variety - Pod borer and wilt	--	IPM in Bengalgram
22	- Integrated Pest Management	Sunflower	- Genuine seeds - Bud necrosis, BHC and headborer - No micronutrient spray - Closed spacing	--	Improved cultivation practices of KBSH-53
23	- Fodder scarcity and nutrition	Fodder	- Low fodder yield	--	Production of HYV Co-3 fodder and feeding in dairy animals
24	- Disease problem	Cattle	- Mastitis in milch animals	--	Control of Mastitis in dairy animals
25	- Composite fish farming	Fisheries	- Lower fish production and productivity	--	Composite fish culture in farm ponds using advanced carp fingerlings
26	- Fish species selection	Fisheries	- General Common Carp attains early maturity and gains lower body weight	--	Growth assessment of Common carp and Amur carp in farm ponds
27	- Fish production and management	Fisheries	- Aqua culture production is limited in the district compared to the potential	--	Fish culture in concrete tanks using advanced fingerlings

3.B.1 Contd...

Crop/ Enter.	Interventions								
	Number of Training (farmers)	Number of Training (Youths)	Number of Training (extension personnel)	Extensio n Activities (No.)	Supply of seeds/ Chemical/ Ferti. (Qtl.)	Supply of planting materials (No.)	Supply of Livestock (No.)	Supply of bio products	
								No.	Kg
7	8	9	10	11	12	13	14	15	
Paddy	3	--	--	11	Seeds - 1.55	--	--	--	--
Maize	3	--	--	11	Seeds - 0.75	--	--	--	--
Ragi	1	--	--	4	Seeds - 1.80	--	--	--	--
Navane	1	--	--	3	Seeds - 0.25	--	--	--	--
Same	1	--	--	3	Seeds - 0.25	--	--	--	--
Cotton	12	--	02	40	Seed – 22.5kg Bhendi seeds-25kg Imidacloprid -250g Thiodicarb-10kg Planofix - 5l MgSO ₄ – 25kg	--	--	--	--
Tomato	02	--	--	10	FYM – 18t Vegetable special – 10.5 kg Urea – 522 kg SSP – 1094 kg MOP – 200 kg 17:17:17 – 150 kg	--	--	--	VAM – 1 kg PSB – 1 kg

Crop	7	8	9	10	11	12	13	14	15
Tomato	02	--	--	10	FYM – 18t Vegetable special – 10.5 kg Urea – 522 kg SSP – 1094 kg MOP – 200 kg 17:17:17 – 150 kg	--	--	--	VAM – 1 kg PSB – 1 kg
Banana	02	--	--	14	Banana special – 30 kg	--	--	--	--
Chilli	02	--	--	13	Samruddhi seeds – 125 kg Neem cake – 250 kg Imidacloprid – 75 ml Acephate – 1.0 kg Fipronil – 600 ml	--	--	--	--
Onion	02	--	--	11	Arka kalyan seeds – 7.5 kg	--	--	--	Trichoderma – 0.25 kg
Coconut	02	--	--	14	Urea – 150 kg SSP – 450 kg MOP – 250 kg Borax – 10 kg Nimbicidin plus – 4l Tonic – 2l Vermicompost -15 q	--	--	--	--
Coconut	02	--	--	14	Urea – 110 kg SSP – 200 kg MOP – 200 kg Neem – 500 kg Borax – 2.5 kg MgSO ₄ – 2.5 kg Econeem plus – 1.5l TNAU Coconut Tonic – 8 l	--	--	--	--

Crop	7	8	9	10	11	12	13	14	15
French bean	01	--	--	08	Arka komal seeds – 65 kg Endosulfon Neem cake Enriched compost	--	--	--	--
Soybean	01	--	--	05	Seeds JS-335 – 100 kg	--	--	--	--
Sugarcane	01	--	--	12	Sets – 2.4 tons	--	--	--	
Coconut	02	--	--	10	Nimbecidine – 17l	--	--	--	Goniozus nephentadis – 50/palm
Tomato	01	--	--	17	Marigold – 100 g Imidacloprid – 200 ml Indoxcarb – 600 ml Neem cake – 250 kg	--	--	--	Trichoderma – 1kg Neem soap – 6 kg
Tomato	01	--	--	12	Arka ananya – 100 g Imidacloprid – 200 ml Indoxcarb – 600 ml Neem cake – 250 kg	--	--	--	Trichoderma – 1kg Neem soap – 6 kg
Redgram	01	--	--	12	Seeds S-2 – 150 kg Neem – 15 l Profenophos – 10 l Quinolphos – 15 l	--	--	--	PSB – 20 kg Rhizobium – 5 kg Trichoderma – 11.5 kg NPV – 2500 LE

Crop	7	8	9	10	11	12	13	14	15
Bengalgram	01	--	--	13	Seeds A-1 – 900 kg Quinolphos -10 l Neem oil – 15 l	--	--	--	PSB – 30 kg Rhizobium – 30 kg Trichoderma – 3.75 kg NPV – 3750 LE
Sunflower	04	--	--		Seeds – 25 kg Imidacloprid – 125 g Neem oil – 5 l ZnSO ₄ – 50 kg MOP – 4 q Borax – 13 kg	--	--	--	--
Fodder	02	--	--	02	--	Co-3 Cuttings	--	--	--
Cattle	01	--	--	06	Saaf kit PP lotion Neem oil mix	--	--	--	--
Fisheries	05	--	01	11	Fish fingerlings – 4000 Vitamin –mineral mix – 10 kg	--	--	--	--
Fisheries	01	--	--	08	Fish fingerlings – 1200 Vitamin –mineral mix – 12 kg	--	--	--	--
Fisheries	01	--	--	07	Fish fingerlings – 500 Vitamin –mineral mix – 9 kg	--	--	--	--

3.B.2 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
1	2	3	4	5	6	7	8
1	Yield maximization and nutrient management in paddy	UAS (B)	Paddy (TANU-KMP-101)	--	01	03	--
2	Yield and income maximization in hybrid maize	UAS (B)	Maize (NAH-2049)	--	02	03	--
3	Improved production technology in Ragi	UAS (B)	Ragi (GPU-28)	--	02	01	--
4	Improved production technology in Navane	UAS (B)	Navane (STA-326)	--	01	01	--
5	Improved production technology in Same	UAS (B)	Same (S-203)	--	01	01	--
6	Integrated crop management in Cotton	UAS (D) and MNC	Cotton (MRC-6918)	--	01	14	--
7	Integrated nutrient management	UAS (B)	Tomato	01	--	02	--
8	Application of vegetable special in Tomato	IIHR, Bangalore	Tomato	01	--	02	--
9	Foliar application of Banana special for higher yield	IIHR, Bangalore	Banana	--	01	02	--
10	HYV Samruddhi in Chilli for rainfed condition	GKVK, Bangalore	Chilli	--	01	02	--
11	Production technology of HYV in Arka kalyan in Onion	IIHR, Bangalore	Onion	--	01	02	--
12	Integrated management of eriophid mite in Coconut	UAS (B)	Coconut	01	--	02	--
13	Use of TNAU Coconut tonic to strengthen Coconut palms	TNAU, UAS(B)	Coconut	01	--	02	--
14	Integrated crop management in French bean	UAS (B), IIHR-Bangalore	Frenchbean	--	01	01	--

1	2	3	4	5	6	7	8
15	Integrated crop management and value addition in soybean	UAS (B)	Soybean	--	01	01	--
16	Woolly aphid resistant variety COVC-2003-165	UAS (B)	Sugarcane	--	01	01	--
17	Integrated management of Black headed caterpillar in Coconut	UAS (B)	Coconut	--	01	02	--
18	IPM in tomato	IIHR	Tomato	--	01	01	--
19	IPDM in tomato	IIHR	Tomato	--	01	01	--
20	IPM in redgram	UAS (B)	Redgram	--	01	01	--
21	IPM in Bengalgram	UAS (B)	Bengalgram	--	01	01	--
22	ICM in Sunflower	UAS (B)	Sunflower	--	01	04	--
23	Feeding high yielding variety of Co-3 fodder to dairy animals	TNAU, Coimbatore	Fodder	--	03	01	--
24	Control of Mastitis using saaf kit and PP lotion	NDDDB, Gujarat	Milch cows	--	05	01	--
25	Composite fish culture in farm ponds using advanced carp fingerlings	CIFA, Bhuvaneshwar	Fisheries	--	01	05	--
26	Growth assessment of Common carp and Amur carp in farm ponds	KVAFSU, Bidar	Fisheries	--	01	02	--
27	Fish culture in concrete tanks using advanced fingerlings	UAS, Bangalore	Fisheries	--	01	01	--

3.B.2 contd..

Crop	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
Paddy	--	--	--	--	04	01	01	--	05	01	03	--	--	--	--	--
Maize	--	--	--	--	08	02	03	--	05	03	05	03	--	--	--	--
Ragi	--	--	--	--	11	01	07	03	15	10	19	08	--	--	--	--
Navane	--	--	--	--	02	02	01	--	--	--	16	--	--	--	--	--
Same	--	--	--	--	01	02	02	--	--	--	12	03	--	--	--	--
Cotton	--	--	--	--	34	08	05	03	110	--	50	--	--	--	--	--
Tomato	04	01	--	--	--	--	--	--	29	--	--	--	--	--	--	--
Tomato	02	01	01	01	--	--	--	--	29	--	--	--	--	--	--	--
Banana	--	--	--	--	04	--	--	01	29	--	--	--	--	--	--	--
Chilli	--	--	--	--	03	02	--	--	34	03	--	02	--	--	--	--
Onion	--	--	--	--	05	--	--	--	07	--	05	--	--	--	--	--
Coconut	03	--	02	--	--	--	--	--	04	05	--	--	--	--	--	--
Coconut	05	--	--	--	--	--	--	--	--	05	--	--	--	--	--	--
Frenchbean	05	--	--	--	--	--	--	--	20	--	04	03	--	--	--	--

Crop	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Soybean	--	--	--	--	04	04	02	01	09	--	02	--	--	--	--	--
Sugarcane	--	--	--	--	02	02	--	01	04	--	03	--	--	--	--	--
Coconut	--	--	--	--	08	--	02	--	08	--	02	--	--	--	--	--
Tomato	--	--	--	--	03	--	02	--	04	02	02	02	--	--	--	--
Tomato	--	--	--	--	02	01	01	--	04	02	02	02	--	--	--	--
Redgram	--	--	--	--	11	01	05	--	08	03	02	01	--	--	--	--
Bengalgram	--	--	--	--	13	01	07	01	07	--	04	--	--	--	--	--
Sunflower	--	--	--	--	15	--	07	--	40	01	17	--	--	--	--	--
Fodder	--	--	--	--	03	01	--	--	10	09	08	--	--	--	--	--
Milch cows	--	--	--	--	--	01	04	--	16	04	12	03	--	--	--	--
Fisheries	--	--	--	--	03	--	02	--	62	13	15	--	--	--	--	--
Fisheries	--	--	--	--	02	--	01	--	04	--	02	--	--	--	--	--
Fisheries	--	--	--	--	04	--	01	--	08	--	--	--	--	--	--	--

PART IV - On Farm Trial**4.A.1 Abstract on the number of technologies assessed in respect of crops**

Thematic areas	Cereals	Oilseeds	Pulses	Commercial Crops	Vegetables	Fruits	Flower	Plantation Crops	Tuber Crops	TOTAL
Integrated Nutrient Management	--	--	--	--	02	--	--	--	--	02
Varietal Evaluation	--	--	--	--	--	--	--	--	--	--
Integrated Pest Management	--	--	--	--	--	--	--	01	--	01
Integrated Crop Management	--	--	--	--	--	--	--	01	--	01
Integrated Disease Management	--	--	--	--	--	--	--	--	--	--
Small Scale Income Generation Enterprises	--	--	--	--	--	--	--	--	--	--
Weed Management	--	--	--	--	--	--	--	--	--	--
Resource Conservation Technology	--	--	--	--	--	--	--	--	--	--
Farm Machineries	--	--	--	--	--	--	--	--	--	--
Integrated Farming System	--	--	--	--	--	--	--	--	--	--
Seed / Plant production	--	--	--	--	--	--	--	--	--	--
Value addition	--	--	--	--	--	--	--	--	--	--
Drudgery Reduction	--	--	--	--	--	--	--	--	--	--
Storage Technique	--	--	--	--	--	--	--	--	--	--
Mushroom cultivation	--	--	--	--	--	--	--	--	--	--
Total	--	--	--	--	02			02		04

4.A.2 Abstract on the number of technologies refined in respect of crops

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

4.A.3 Abstract on the number of technologies assessed in respect of livestock enterprises

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

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

Thematic areas	Cattle	Poultry	Piggery	Rabbitary	Fisheries	TOTAL
Evaluation of Breeds	--	--	--	--	--	--
Nutrition Management	--	--	--	--	--	--
Disease of Management	--	--	--	--	--	--
Value Addition	--	--	--	--	--	--
Production and Management	--	--	--	--	--	--
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	Tomato	Application of vegetable special in Tomato	05	--
	Tomato	Integrated nutrient management in Tomato	05	--
Varietal Evaluation	--	--	--	--
	--	--	--	--
Integrated Pest Management	Coconut	Integrated management of eriophid mite in Coconut	05	--
	--	--	--	--
Integrated Crop Management	Coconut	Use of TNAU Coconut tonic to strengthen Coconut palms	05	--
	--	--	--	--
Integrated Disease Management	--	--	--	--
	--	--	--	--
Small Scale Income Generation Enterprises	--	--	--	--
	--	--	--	--
Weed Management	--	--	--	--
	--	--	--	--
Resource Conservation Technology	--	--	--	--
	--	--	--	--
Farm Machineries	--	--	--	--
	--	--	--	--
Integrated Farming System	--	--	--	--
	--	--	--	--
Seed / Plant production	--	--	--	--
	--	--	--	--
Value addition	--	--	--	--
	--	--	--	--

Drudgery Reduction	--	--	--	--
	--	--	--	--
Storage Technique	--	--	--	--
	--	--	--	--
Mushroom cultivation	--	--	--	--
	--	--	--	--
Total	--	--	--	--

4.B.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	--	--	--	--
	--	--	--	--
Small Scale Income Generation Enterprises	--	--	--	--
	--	--	--	--
Weed Management	--	--	--	--
	--	--	--	--
Resource Conservation Technology	--	--	--	--
	--	--	--	--

Farm Machineries	--	--	--	--
	--	--	--	--
Integrated Farming System	--	--	--	--
	--	--	--	--
Seed / Plant production	--	--	--	--
	--	--	--	--
Value addition	--	--	--	--
	--	--	--	--
Drudgery Reduction	--	--	--	--
	--	--	--	--
Storage Technique	--	--	--	--
	--	--	--	--
Mushroom cultivation	--	--	--	--
	--	--	--	--
Total	--	--	--	--

4.B.3 Technologies assessed under Livestock

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

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.C.1 Results of Technologies Assessed

Results of On Farm Trial

i) Assessment in Tomato – Application of Vegetable special in Tomato

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
1	2	3	4	5	6	7	8	9	10
Tomato	Irrigated	Lower productivity due to deficiency of micronutrients	Application of vegetable special in tomato	05	<p>Farmers practice: Application of complex fertilizers (17:17:17) @ 150 kg/ha</p> <p>Technology option 1: FYM – 18 t/ha RDF – 150:100:60 NPK kg/ha</p> <p>Technology option 2: FYM – 18 t/ha 80:75:60 NPK kg/ha Application of 1 kg of VAM + 1 kg of PSB. Vegetable special (5g/lt) 3 sprays - 30 DAP - 15 days after flowering - 15 days after second spray</p>	<ul style="list-style-type: none"> - Plant height (cm) - No. of fruits per plant - Yield (t/ha) 	<p>77.6 cm 37.2 17.0 t/ha</p> <p>83.4 cm 45.4 29.4 t/ha</p> <p>83.8 cm 49.6 32.9 t/ha</p>	Growth and yield parameters are better in case of micronutrient sprayed plot compared to farmers practice	Micronutrient spraying helped in increasing yield and colour of Tomato

Contd..

Any refinement done	Justification for refinement	Technology Assessed / Refined	Production per unit (t/ha)	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14	15	16
--	--	Farmers practice: Application of complex fertilizers (17:17:17) @ 150 kg/ha	17.0	35,500/-	1.72
--	--	Technology option 1: FYM – 18 t/ha RDF – 150:100:60 NPK kg/ha	29.4	67,350/-	2.27
--	--	Technology option 2: FYM – 18 t/ha 80:75:60 NPK kg/ha Application of 1 kg of VAM + 1 kg of PSB. Vegetable special (5g/lt) 3 sprays - 30 DAP - 15 days after flowering - 15 days after second spray	32.9	79,800/-	2.51

ii) **Assessment in Tomato – Nutrient Management in Tomato**

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
1	2	3	4	5	6	7	8	9	10
Tomato	Irrigated	Lower productivity due to deficiency of micronutrients	Nutrient management in Tomato	05	Farmers practice: Application of complex fertilizers (17:17:17) @ 150 kg/ha	<ul style="list-style-type: none"> - Plant height (cm) - No. of fruits per plant - Yield (t/ha) 	79.30 cm 38 16.22 t/ha	All the three parameters are better in case of demo plot and observed good yield compare to non sprayed one	Spraying micronutrient mixture helps in increasing yield
					Technology option 1: FYM – 18 t/ha RDF – 150:100:60 NPK kg/ha		84.74 cm 47 29.98 t/ha		
					Technology option 2: FYM – 18 t/ha 80:75:60 NPK kg/ha Application of 1 kg of VAM + 1 kg of PSB. Vegetable special (5g/lt) 3 sprays - 30 DAP - 15 days after flowering - 15 days after second spray		90.86 cm 62 37.02 t/ha		

Contd..

Any refinement done	Justification for refinement	Technology Assessed / Refined	Production per unit (t/ha)	Net Return (Profit) in Rs. / unit	BC Ratio
11	12	13	14	15	16
--	--	Farmers practice: Application of complex fertilizers (17:17:17) @ 150 kg/ha	16.22	39,340/-	2.16
--	--	Technology option 1: FYM – 18 t/ha RDF – 150:100:60 NPK kg/ha	29.98	95,260/-	3.40
--	--	Technology option 2: FYM – 18 t/ha 80:75:60 NPK kg/ha Application of 1 kg of VAM + 1 kg of PSB. Vegetable special (5g/lt) 3 sprays - 30 DAP - 15 days after flowering - 15 days after second spray	37.02	1,21,805/-	3.71

iii) Assessment in Coconut - Integrated management of eriophid mite in coconut

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
1	2	3	4	5	6	7	8	9	10
Coconut	Irrigated	- Higher incidence of mites results in lower yield and resistance in plants	Integrated management of eriophid mite in coconut	05	<p>Farmers practice: Application of complex fertilizer 200 gm/plant</p> <p>Technology – 1: 50 kg FYM, 500:320:1200 gm NPK/palm/year, 50kg neem cake 50 kg Borax/palm/year, eco neem plus 1% (10 ml/palm 3 times/year)</p> <p>Technology – 2 : 50 kg FYM, 500:320:1200 gm NPK/palm/year, 50kg neem cake Nutritional tonic (200 ml/pal @ 6 months interval)</p>	- Average No. of nuts/palm - Percentage of mites affected nuts in bunch	<p>41 No. 87.0%</p> <p>64 No. 72.0 %</p> <p>76 No. 37.2%</p>	Increase in number of nuts with reduction in mites population	Farmers feels that more area should be brought under demonstration of integrated management approaches

Contd..

Any Refinement done	Justification For refinement	Technology Assessed	Production per unit	Percentage mites infected nuts in a bunch (%)
11	12	13	14	15
--	--	Farmers practice: Application of complex fertilizer 200 gm/plant	41 nuts	87.0
--	--	Technology – 1: 50 kg FYM, 500:320:1200 gm NPK/palm/year, 50kg neem cake 50 kg Borax/palm/year, eco neem plus 1% (10 ml/palm 3 times/year)	64 nuts	72.0
--	--	Technology – 2 : 50 kg FYM, 500:320:1200 gm NPK/palm/year, 50kg neem cake Nutritional tonic (200 ml/pal @ 6 months interval)	76 nuts	37.2

iv) Assessment in Coconut - Use of TNAU Coconut tonic to strengthen Coconut palms

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
1	2	3	4	5	6	7	8	9	10
Coconut	Irrigated	- Lower productivity - Heavy pest and disease incidence due to lack of resistance in the palms	Use of TNAU Coconut tonic to strengthen Coconut palms	05	Farmers practice: Application of complex fertilizer 200 gm/plant Technology – 1: 50 kg FYM, 500:320:1200 gm NPK/palm/year, 50kg neem cake 50 kg Borax/palm/year, eco neem plus 1% (10 ml/palm 3 times/year) Technology – 2 : 50 kg FYM, 500:320:1200 gm NPK/palm/year, 50kg neem cake Nutritional tonic (200 ml/pal- twice a year 6 months interval)	- Average No. of nuts/palm - Percentage of mites affected nuts in bunch	42 No. 87.8% 67 No. 73.2% 78 No. 39.6%	Number of nuts per palm increases considerably and mites infestation also reduced in the demonstration plot	Good response from farmers side and they needs more area under demonstration

Contd..

Any Refinement done	Justification For refinement	Technology Assessed	Production per unit	Percentage mites infected nuts in a bunch (%)
11	12	13	14	15
--	--	Farmers practice: Application of complex fertilizer 200 gm/plant	42 nuts	87.8
--	--	Technology – 1: 50 kg FYM, 500:320:1200 gm NPK/palm/year, 50kg neem cake 50 kg Borax/palm/year, eco neem plus 1% (10 ml/palm 3 times/year)	67 nuts	73.2
--	--	Technology – 2 : 50 kg FYM, 500:320:1200 gm NPK/palm/year, 50kg neem cake Nutritional tonic (200 ml/pal- twice a year 6 months interval)	78 nuts	39.6

4.C.2 Details of each On Farm Trial to be furnished in the following format separately along with raw data as per the separate proforma provided

i) Assessment in Tomato – Application of Vegetable special in Tomato

1) Title of Technology assessed : Application of vegetable special in Tomato

2) Problem Definition : Imbalanced nutrition, Lack of micronutrient application

3) Details of technologies selected for assessment/refinement : Application of vegetable special @ 5g/lt at 3 stages of plant growth

4) Source of technology : IIHR, Bangalore

5) Production system and thematic area : Irrigated, micronutrient management

6) Performance of the Technology with performance indicators :

Farmer No.	Name of the farmer	Name of the Village	Data on the performance indicators of the technology assessed / refined								
			Technology Option 1			Technology Option 2			Technology Option 3		
			Plant height (cm)	No. of fruits per plant	Yield (t/ha)	Plant height (cm)	No. of fruits per plant	Yield (t/ha)	Plant height (cm)	No. of fruits per plant	Yield (t/ha)
1	Prabanna H.D.	Haluvarthi	76.00	38	17.5	80.0	48	27.5	81.0	51	30.5
2	Dyamanna		81.00	40	19.0	83.0	46	26.0	84.0	45	27.0
3	Maheshwarappa		80.00	38	15.2	85.0	43	32.8	80.0	48	33.5
4	Lokeshappa		75.0	30	15.0	81.0	44	26.4	85.0	49	37.0
5	Nirmalamma		76.0	40	18.5	88.0	46	34.5	89.0	55	36.5
		Average	77.60	37.2	17.0	83.4	45.4	29.4	83.8	49.6	32.9

- 7) Final recommendation for micro level situation :** Application of vegetable special, a micronutrient source helped in rectifying micronutrient deficiency. This helped in increasing tomato yield and in turn improved its quality with shining colour, uniform size fruits. This has made greater acceptability and better price in market.
- 8) Constraints identified and feedback for research :** Need of liquid formulation of vegetable special
- 9) Process of farmers participation and their reaction:** Noticed good response from the farmers to adopt new technology. They seek that more area should be included in the demonstration.

ii) Assessment in Tomato – Nutrient Management in Tomato

- 1) **Title of Technology assessed :** Nutrient management in Tomato
- 2) **Problem Definition :** Lower productivity due to deficiency of micronutrients and imbalanced nutrition
- 3) **Details of technologies selected for assessment/refinement :** Application of vegetable special @ 5g/lt. at three stages of plant growth
- 4) **Source of technology :** IHR, Bangalore
- 5) **Production system and thematic area :** Irrigated, Management of micronutrient deficiency
- 6) **Performance of the Technology with performance indicators :**

Farmer No.	Name of the farmer	Name of the Village	Data on the performance indicators of the technology assessed / refined								
			Technology Option 1			Technology Option 2			Technology Option 3		
			Plant height (cm)	No. of fruits per plant	Yield (t/ha)	Plant height (cm)	No. of fruits per plant	Yield (t/ha)	Plant height (cm)	No. of fruits per plant	Yield (t/ha)
1	Siddabasamma	Haluvorthy	78.60	39	13.80	81.90	50	28.18	86.40	62	38.60
2	Maheshwarappa		83.40	42	14.80	84.50	49	26.81	89.50	68	34.76
3	Dyamanna		81.50	40	14.95	86.40	42	33.61	93.80	54	39.48
4	Shankrappa		73.90	31	19.76	83.10	46	24.83	91.90	59	35.80
5	Marulasiddappa		79.10	41	17.81	87.80	48	36.47	92.70	69	36.48
		Average	79.30	38	16.22	84.74	47	29.98	90.86	62	37.02

- 7) **Final recommendation for micro level situation** : Spraying vegetable special helps to rectify micronutrient deficiency. This inturn helps in increasing yield and hence the productivity will also be increased. Noticed good crop stand in the demo plot and fruit quality is also of greater acceptability by the consumers.
- 8) **Constraints identified and feedback for research** :
- Timely availability of the vegetable special
 - To develop liquid formulations
- 9) **Process of farmers participation and their reaction:** Noticed good response from the farmers to adopt new technology. They seek that more area should be included in the demonstration.

iii) **Assessment in Coconut - Integrated management of eriophid mite in coconut**

1) **Title of Technology assessed :** Integrated management of eriophid mite in coconut.

2) **Problem Definition :** Higher incidence of mites due to lack of resistance in plants

3) **Details of technologies selected for assessment/refinement :** FYM – 50 kg/palm

500:320:1200 g NPK/palm/year

5kg neem cake /palm/year

Nutritional tonic (200 ml/plant twice a year at 6 months interval)

4) **Source of technology :** TNAU, Coimbatore

5) **Production system and thematic area :** Irrigated and integrated pest management

6) **Performance of the Technology with performance indicators :**

Farmer No.	Name of the farmer	Name of the Village	Data on the performance indicators of the technology assessed / refined					
			Technology Option 1		Technology Option 2		Technology Option 3	
			Average No. of nuts /palm	Percentage of mite incidence	Average No. of nuts /palm	Percentage of mite incidence	Average No. of nuts /palm	Percentage of mite incidence
1	Mahadevappa	Turchaghatta	44	85	55	78	80	30
2	Basavarajappa	Turchaghatta	34	92	66	70	73	36
3	Basappa	Bullapura	37	90	58	77	79	43
4	Ramachandrappa	Ramagondanahalli	45	86	70	66	70	45
5	Jayanna	Marabanahalli	48	82	71	69	78	32
		Average	41	87	64	72	76	37.2

- 7) **Final recommendation for micro level situation** : Root feeding of nutritional tonic @ 200 ml/palm helps in imparting resistance in the palms
- 8) **Constraints identified and feedback for research** :
- Root feeding needs skill oriented labour
 - Popularize stem injection method
- 9) **Process of farmers participation and their reaction** :
- Group meeting with farmers and trainings
 - Nutritional tonic imparts resistance in palms which results in reduced cost on plant protection chemicals.

iv) **Assessment in Coconut - Use of TNAU Coconut tonic to strengthen Coconut palms**

1) **Title of Technology assessed :** Use of TNAU Coconut tonic to strengthen coconut palms.

2) **Problem Definition :** Lower productivity, heavy pest and diseases due to lack of resistance by palms

3) **Details of technologies selected for assessment/refinement :** FYM – 50 kg/palm

500:320:1200 g NPK/palm/year

5kg neem cake /palm/year

Nutritional tonic (200 ml/plant twice a year at 6 months interval)

4) **Source of technology :** TNAU, Coimbatore

5) **Production system and thematic area :** Irrigated and nutrient management

6) **Performance of the Technology with performance indicators :**

Farmer No.	Name of the farmer	Name of the Village	Data on the performance indicators of the technology assessed / refined					
			Technology Option 1		Technology Option 2		Technology Option 3	
			Average No. of nuts /palm	Percentage of mites affected nuts in bunch	Average No. of nuts /palm	Percentage of mites affected nuts in bunch	Average No. of nuts /palm	Percentage of mites affected nuts in bunch
1	Kotreshappa	Hosakolenalli	44	87	53	77	78	30
2	Basappa	Kurkibullapura	36	90	68	71	74	34
3	Mahesha	Kandagallu	47	93	71	79	78	45
4	Veeranna	Kandagallu	41	88	69	69	79	48
5	Rudreshappa	Bommenalli	44	81	74	70	81	41
Average			42	87.8	67	73.2	78	39.6

7) Final recommendation for micro level situation : Root feeding of nutritional tonic @ 200 ml/palm helps to impart resistance in the palms

8) Constraints identified and feedback for research :

- Root feeding needs skill and labour insentive
- Lack of cooperative control measures among the farmers to control pest and diseases

9) Process of farmers participation and their reaction :

- Group meeting with farmers and trainings
- Nutritional tonic imparts resistance to palms that reduces cost on plant protection chemicals.

4.D.1 Results of Technologies Refined

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

Contd..

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

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

- 1 Title of Technology Refined
- 2 Problem Definition
- 3 Details of technologies selected for assessment/refinement
- 4 Source of technology
- 5 Production system and thematic area
- 6 Performance of the Technology with performance indicators
- 7 Final recommendation for micro level situation
- 8 Constraints identified and feedback for research
- 9 Process of farmers participation and their reaction

PART V - FRONTLINE DEMONSTRATIONS**5.A Summary of FLDs implemented during 2008-09**

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area
1	2	3	4	5	6	7	8
	Oilseeds						
1		Rainfed	Kharif-2008-09	Sunflower	--	KBSH-53	IPM
	Pulses						
1		Rainfed	Rabi – 2008-09	Soybean	JS-335	--	ICM
2		Rainfed	Kharif – 2008-09	Redgram	S-2	--	IPM
3		Rainfed	Rabi – 2008-09	Bengalgram	A-1	--	IPM
	Cereals						
1		Irrigated	Kharif – 2008-09	Paddy	TANU-KMP-101	--	INM
2		Rainfed	Kharif – 2008-09	Maize	--	NAH-2049	ICM
3		Rainfed	Kharif – 2008-09	Maize	--	NAH-2049	ICM
	Millets						
1		Rainfed	Kharif – 2008-09	Ragi	GPU-28	--	ICM
2		Rainfed	Kharif – 2008-09	Ragi + Horse gram Ragi + Redgarm	GPU-28 Local	-- --	Intercropping
3		Rainfed	Kharif - 2008-09	Navane	STA-326	--	ICM
4		Rainfed	Kharif – 2008-09	Same	S-203	--	ICM

1	2	3	4	5	6	7	8
	Vegetables						
1		Rainfed	Kharif – 2008-09	Chilli	Samruddhi	--	Production technology
2		Rainfed	Kharif – 2008-09	Onion	Arka kalyan	--	Production technology
3		Irrigated	Kharif – 2008-09	French bean	Arka komal	--	High yielding variety
4		Irrigated	Kharif – 2008-09	Tomato	US-Agri-618	--	IPM
5		Irrigated	Rabi – 2008-09	Tomato	Arka ananya	--	IPDM
	Flowers						
	--	--	--	--	--	--	--
	Ornamental						
	--	--	--	--	--	--	--
	Fruit						
1		Irrigated	Kharif -2008-09	Banana	Yelakki	--	Micronutrient management
	Spices and condiments						
	--	--	--	--	--	--	--
	Commercial						
1		Irrigated	Kharif – 2008-09	Sugarcane	COVC-2003-165	--	IPM
	Medicinal and aromatic						
	--	--	--	--	--	--	--
	Fodder						
1		Irrigated	Kharif – 2008-09	Napier grass	Co-3	--	Popularization of Co-3 variety
	Plantation						
1		Coconut	Kharif – 2008-09	Coconut	Tiptur tall	--	IPM
	Fibre	--	--	--	--	--	--

1	2	3	4	5	6	7	8
	Dairy						
1		Irrigated	Kharif-2008-09	Cow	HF & Jersey	Cross bred	Clean milk production and mastitis control using saaf kit and PP solution
	Poultry						
	--	--	--	--	--	--	--
	Rabbitry						
	--	--	--	--	--	--	--
	Pigerry						
	--	--	--	--	--	--	--
	Sheep and goat						
	--	--	--	--	--	--	--
	Duckery						
	--	--	--	--	--	--	--
	Common carps						
1		Irrigated	Kharif – 2008-09	Fisheries	Indian major carps and Chinese carps	--	Integrated Fish Farming
2		Irrigated	Kharif – 2008-09	Fisheries	Indian major carps and Chinese carps	--	Production Management (Species selection)
3		Irrigated	Kharif – 2008-09	Fisheries	Indian major carps and Chinese carps	--	Production Management
	Mussels						
	--	--	--	--	--	--	--

1	2	3	4	5	6	7	8
	Ornamental fishes						
	--	--	--	--	--	--	--
	Oyster mushroom						
	--	--	--	--	--	--	--
	Button mushroom						
	--	--	--	--	--	--	--
	Vermicompost						
	--	--	--	--	--	--	--
	Sericulture						
	--	--	--	--	--	--	--
	Apiculture						
	--	--	--	--	--	--	--
	Implements						
	--	--	--	--	--	--	--
	Others (specify)						
	--	--	--	--	--	--	--

5A. Contd..

Sl. No.	Category	Technology Demonstrated	Area (ha)		No. of farmers/ demonstration			Reasons for shortfall in achievement
			Proposed	Actual	SC/ST	Others	Total	
1	2	3	4	5	6	7	8	9
	Oilseeds							
1	Sunflower	Improved cultivation practices of KBSH-53	10	10	07	15	22	
	Pulses							
1	Soybean	Production technology of HYV JS-335	05	05	03	08	11	
2	Redgram	IPM in Redgram (BRG-1)	10	10	05	12	17	
3	Bengalgram	IPM in Bengalgram (JG-11)	15	15	08	14	22	
	Cereals							
1	Paddy	Yield maximization and nutrient management in Paddy	2.5	2.5	02	04	06	
2	Maize	Yield and income maximization in maize (NAH-2049)	03	03	02	06	08	
3	Maize	Popularization of hybrid maize (NAH-2049)	02	02	01	04	05	
	Millets							
1	Ragi	Production technology hybrid ragi variety (GPU-28)	10	10	06	04	10	
2	Ragi + Horse gram Ragi + Redgarm	Improved production technology in Ragi based system	05	05	04	08	12	
3	Navane	Improved production technology	2.5	2.5	03	02	05	
4	Same	Improved production technology	2.5	2.5	04	01	05	

1	2	3	4	5	6	7	8	9
	Vegetables							
1	Chilli	HYV suit to rainfed condition	1.0	1.0	--	05	05	
2	Onion	HYV resistant to purple blotch	1.0	1.0	--	05	05	
3	French bean	High yielding variety	2.0	2.0	--	05	05	
4	Tomato	IPM in Tomato	01	01	02	03	05	
5	Tomato	IPDM in Tomato	0.4	0.4	01	03	04	
	Flowers							
	--	--	--	--	--	--	--	--
	Ornamental							
	--	--	--	--	--	--	--	--
	Fruit							
1	Banana	Banana special	1.0	1.0	01	04	05	
	Spices and condiments							
	--	--	--	--	--	--	--	--
	Commercial							
1	Sugarcane	Woolly aphid resistant variety in sugarcane (COVC-2003-165)	02	02	01	04	05	
	Medicinal and aromatic							
	--	--	--	--	--	--	--	--
	Fodder							
1	Napier grass	Production of Co-3 Napier and feeding it in dairy animals	2.5	0.6	03	--	03	--
	Plantation							
1	Coconut	Integrated management of BHC in Coconut	05	05	02	08	10	
	Fibre							

1	2	3	4	5	6	7	8	9
	Dairy							
1	Cow	Quality milk production and mastitis control using saaf kit and PP lotion	10	05	01	04	05	--
	Poultry							
	--	--	--	--	--	--	--	--
	Rabbitry							
	--	--	--	--	--	--	--	--
	Pigerry							
	--	--	--	--	--	--	--	--
	Sheep and goat							
	--	--	--	--	--	--	--	--
	Duckery							
	--	--	--	--	--	--	--	--
	Common carps							
1	Fisheries	Composite fish culture in farm ponds using advanced carp fingerlings	4000 m ²	4000 m ²	03	02	05	
2	Fisheries	Growth assessment of Common carp and Amur carp in farm ponds	3000 m ²	3000 m ²	02	01	03	
3	Fisheries	Fish culture in concrete tanks using advanced fingerlings	500 m ²	500 m ²	04	01	05	
	Mussels	--	--	--	--	--	--	--

1	2	3	4	5	6	7	8	9
	Ornamental fishes							
	--	--	--	--	--	--	--	--
	Oyster mushroom							
	--	--	--	--	--	--	--	--
	Button mushroom							
	--	--	--	--	--	--	--	--
	Vermicompost							
	--	--	--	--	--	--	--	--
	Sericulture							
	--	--	--	--	--	--	--	--
	Apiculture							
	--	--	--	--	--	--	--	--
	Implements							
	--	--	--	--	--	--	--	--
	Others (specify)							
	--	--	--	--	--	--	--	--

5.A. 1. Soil fertility status of FLDs plots during 2008-09

Sl. No.	Category	Farming Situation	Season and Year	Crop	Variety/ breed	Hybrid	Thematic area
1	2	3	4	5	6	7	8
	Oilseeds						
1		Rainfed	Kharif-2008-09	Sunflower	--	KBSH-53	IPM
	Pulses						
1		Rainfed	Rabi – 2008-09	Soybean	JS-335	--	ICM
2		Rainfed	Kharif – 2008-09	Redgram	S-2	--	IPM
3		Rainfed	Rabi – 2008-09	Bengalgram	A-1	--	IPM
	Cereals						
1		Irrigated	Kharif – 2008-09	Paddy	TANU-KMP-101	--	INM
2		Rainfed	Kharif – 2008-09	Maize	--	NAH-2049	ICM
3		Rainfed	Kharif – 2008-09	Maize	--	NAH-2049	ICM
	Millets						
1		Rainfed	Kharif – 2008-09	Ragi	GPU-28	--	ICM
2		Rainfed	Kharif – 2008-09	Ragi + Horse gram Ragi + Redgarm	GPU-28 Local	-- --	Intercropping
3		Rainfed	Kharif - 2008-09	Navane	STA-326	--	ICM
4		Rainfed	Kharif – 2008-09	Same	S-203	--	ICM

1	2	3	4	5	6	7	8
	Vegetables						
1		Rainfed	Kharif – 2008-09	Chilli	Samruddhi	--	Production technology
2		Rainfed	Kharif – 2008-09	Onion	ArkaArka kalyan	--	Production technology
3		Irrigated	Kharif – 2008-09	French bean	Arka komal	--	High yielding variety
4		Irrigated	Kharif – 2008-09	Tomato	US-Agri-618	--	IPM
5		Irrigated	Rabi – 2008-09	Tomato	Arka ananya	--	IPDM
	Flowers						
	--	--	--	--	--	--	--
	Ornamental						
	--	--	--	--	--	--	--
	Fruit						
1		Irrigated	Kharif -2008-09	Banana	Yelakki	--	Micronutrient management
	Spices and condiments						
	--	--	--	--	--	--	--
	Commercial						
1		Irrigated	Kharif – 2008-09	Sugarcane	COVC-2003-165	--	IPM
	Medicinal and aromatic						
	--	--	--	--	--	--	--
	Fodder						
1		Irrigated	Kharif – 2008-09	Napier grass	Co-3	--	Popularization of Co-3 variety
	Plantation						
1		Coconut	Kharif – 2008-09	Coconut	Tiptur tall	--	IPM
	Fibre						

1	2	3	4	5	6	7	8
	Dairy						
1		Irrigated	Kharif-2008-09	Cow	HF & Jersey	Cross bred	Clean milk production and mastitis control using saaf kit and PP solution
	Poultry						
	--	--	--	--	--	--	--
	Rabbitry						
	--	--	--	--	--	--	--
	Pigerry						
	--	--	--	--	--	--	--
	Sheep and goat						
	--	--	--	--	--	--	--
	Duckery						
	--	--	--	--	--	--	--
	Common carps						
1		Irrigated	Kharif – 2008-09	Fisheries	Indian major carps and Chinese carps	--	Integrated Fish Farming
2		Irrigated	Kharif – 2008-09	Fisheries	Indian major carps and Chinese carps	--	Production Management (Species selection)
3		Irrigated	Kharif – 2008-09	Fisheries	Indian major carps and Chinese carps	--	Production Management
	Mussels						
	--	--	--	--	--	--	--

1	2	3	4	5	6	7	8
	Ornamental fishes						
	--	--	--	--	--	--	--
	Oyster mushroom						
	--	--	--	--	--	--	--
	Button mushroom						
	--	--	--	--	--	--	--
	Vermicompost						
	--	--	--	--	--	--	--
	Sericulture						
	--	--	--	--	--	--	--
	Apiculture						
	--	--	--	--	--	--	--
	Implements						
	--	--	--	--	--	--	--
	Others (specify)						
	--	--	--	--	--	--	--

5.A.1 Contd..

Sl. No.	Category	Technology Demonstrated	Season and year	Status of Soil			Previous Crop Grown
				N	P	K	
1	2	3	4	5	6	7	8
	Oilseeds						
	Sunflower	Improved cultivation practices of KBSH-53	Kharif-2008-09	L	M	H	
	Pulses						
	Soybean	Production technology of HYV JS-335	Rabi – 2008-09	--	--	--	Maize
	Redgram	IPM in Redgram	Kharif – 2008-09	L	M	H	--
	Bengalgram	IPM in Bengalgram	Rabi – 2008-09	L	M	H	--
	Cereals						
	Paddy	Yield maximization and nutrient management in Paddy	Kharif – 2008-09	--	--	--	--
	Maize	Yield and income maximization in maize	Kharif – 2008-09	--	--	--	--
	Maize	Popularization of hybrid maize	Kharif – 2008-09	--	--	--	--
	Millets						--
	Ragi	Production technology hybrid ragi variety	Kharif – 2008-09	--	--	--	--
	Ragi + Horse gram Ragi + Redgarm	Improved production technology in Ragi based system	Kharif – 2008-09	--	--	--	--
	Navane	Improved production technology	Kharif – 2008-09	--	--	--	--
	Same	Improved production technology	Kharif – 2008-09	--	--	--	--

1	2	3	4	5	6	7	8
	Vegetables						
	Chilli	HYV suit to rainfed condition	Kharif – 2008-09	L	M	M	Maize
	Onion	HYV resistant to purple blotch	Kharif – 2008-09	M	M	M	Redgram
	French bean	High yielding variety	Kharif – 2008-09	L	M	M	Chilli
	Tomato	IPM in Tomato	Kharif – 2008-09	--	--	--	--
	Tomato	IPDM in Tomato	Rabi – 2008-09	--	--	--	--
	Flowers						
	--	--	--	--	--	--	--
	Ornamental						
	--	--	--	--	--	--	--
	Fruit						
	Banana	Banana special	Kharif -2008-09	M	M	M	Maize
	Spices and condiments						
	--	--	--	--	--	--	--
	Commercial						
	Sugarcane	Wooly aphid resistant variety in sugarcane	Kharif – 2008-09	--	--	--	--
	Medicinal and aromatic						
	--	--	--	--	--	--	--
	Fodder						
	Napier grass	Production of Co-3 Napier and feeding it in dairy animals	Kharif – 2008-09	--	--	--	--
	Plantation						
	Coconut	Integrated management of BHC in Coconut	Kharif – 2008-09	--	--	--	--
	Fibre						

1	2	3	4	5	6	7	8
	Dairy						
	Cow	Quality milk production and mastitis control using saaf kit and PP lotion	Kharif-2008-09	--	--	--	--
	Poultry						
	--	--	--	--	--	--	--
	Rabbitry						
	--	--	--	--	--	--	--
	Pigerry						
	--	--	--	--	--	--	--
	Sheep and goat						
	--	--	--	--	--	--	--
	Duckery						
	--	--	--	--	--	--	--
	Common carps						
	Fisheries	Composite fish culture in farm ponds using advanced carp fingerlings	Kharif – 2008-09	--	--	--	--
	Fisheries	Growth assessment of Common carp and Amur carp in farm ponds	Kharif – 2008-09	--	--	--	--
	Fisheries	Fish culture in concrete tanks using advanced fingerlings	Kharif – 2008-09	--	--	--	--
	Mussels						

1	2	3	4	5	6	7	8
	Ornamental fishes						
	--	--	--	--	--	--	--
	Oyster mushroom						
	--	--	--	--	--	--	--
	Button mushroom						
	--	--	--	--	--	--	--
	Vermicompost						
	--	--	--	--	--		
	Sericulture						
	--	--	--	--	--	--	--
	Apiculture						
	--	--	--	--	--	--	--
	Implements						
	--	--	--	--	--	--	--
	Others (specify)						

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)			
							Demo			Check
							H	L	A	
Sunflower	Improved cultivation practices of KBSH-53	--	KBSH-53	Rainfed	11	05	18.19	12.26	15.60	10.75
	Improved cultivation practices of KBSH-53	--		Rainfed	11	05	19.54	15.71	17.80	12.50

% Increase	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
	Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
45.11	18900/-	39000/-	20100/-	2.06	20100/-	26875/-	6775/-	1.33
42.40	18450/-	44500/-	26050/-	2.41	19800/-	31250/-	11450/-	1.57

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

Data on other parameters in relation to technology demonstrated			
Crop	Parameter with unit	Demo	Local
Sunflower	- Plant height (cm)	121.6	114.7
	- Head diameter (cm)	13.36	11.9
	- % disease (Powdery mildew) (%)	--	12.0

5.B.2 Pulses

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)	Yield (q/ha)			
							Demo			Check
							H	L	A	
Soybean	ICM and value addition in soybean	JS-335	--	Rainfed	11	05	9.40	6.90	8.30	5.40
Redgram	IPM in Redgram	S-2	--	Rainfed	17	10	10.8	7.0	9.2	6.6
Bengalgram	IPM in Bengalgram	A-1	--	Rainfed	22	15	7.4	4.3	6.3	4.45
	Total									

Crop	% Increase	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
		Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
Soybean	53.7	7500/-	17430/-	9930/-	2.32	6750/-	10530/-	3780/-	1.56
Redgram	39.39	12500/-	22080/-	9580/-	2.10	7800/-	13200/-	5400/-	1.69
Bengalgram	41.57	6900/-	17640/-	10740/-	2.55	6300/-	11125/-	4825	1.76

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

Crop	Data on other parameters in relation to technology demonstrated		
	Parameter with unit	Demo	Local
Redgram	- Plant height (cm)	212.40	191.70
	- No. of pod /plant (No.)	109	93
	- Percent of pod borer incidence (%)	3	20
Bengalgram	- Plant height (cm)	39.30	29.90
	- Percent of pod borer incidence (%)	2	18

5.B.3. Other crops

Crop	Name of the technology demonstrated	Variety	Hybrid	Farming situation	No. of Demo.	Area (ha)
1	2	3	4	5	6	7
Cereals						
Paddy	Yield maximization and nutrient management	TANU (KMP-101)	--	Irrigated	07	2.5
Maize	Yield and income maximization	--	NAH-2049	Rainfed	08	3.0
Maize	Popularization of hybrid maize	--	NAH-2049	Rainfed	05	2.0
Millets						
Ragi	Production technology in high yielding variety	GPU-28	--	Rainfed	10	10.0
Ragi	Improved production technology in ragi base cropping system	GPU-28 + Local	--	Rainfed	06	2.5
Ragi	Improved production technology in ragi base cropping system	GPU-28 + TTB-7	--	Rainfed	06	2.5
Navane	Production technology	STA-326	--	Rainfed	05	2.5
Same	Production technology	S-203	--	Rainfed	05	2.5
Vegetables						
Chilli	Production technology of HYV Samruddhi for rainfed	Samruddhi	--	Rainfed	05	1.0
Onion	Disease resistant variety Arka kalyan	Arka kalyan	--	Rainfed	05	1.0
French bean	HYV Arka komal	Arka komal	--	Irrigated	05	2.0
Tomato	IPM in Tomato	--	US-Agri-618	Irrigated	05	01
Tomato	IPDM in Tomato	Arka ananya	--	Irrigated	04	0.4
Flowers						
--	--	--	--	--	--	--

1	2	3	4	5	6	7
Ornamental						
--	--	--	--	--	--	--
Fruit						
Banana	Use of Banana special to tackle micronutrient deficiency	Yelakki bale	--	Irrigated	05	1.0
Spices and condiments						
--	--	--	--	--	--	--
Commercial						
Sugarcane	Wooly aphid resistant variety COVC-2003-165	COVC-2003-165	--	Irrigated	05	02
Medicinal and aromatic						
--	--	--	--	--	--	--
Fodder						
	Production of Co-3 fodder and feeding it dairy animals	Co-3 Napier	--	Irrigated	03	0.6 ha
Plantation						
Coconut	Integrated management of BHC in Coconut	Tiptur tall	--	Irrigated	10	05
Fibre						
--	--	--	--	--	--	--
Others (pl.specify)						

5.B.3 Contd...

Crop	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										
	8	9	10	11	12	13	14	15	16	17	18	19	20
Cereals													
Paddy	53.5	49.3	51.8	45.0	15.10	18950/-	49210/-	30260/-	2.59	21150/-	50400/-	29250/-	2.38
Maize	50.3	41.8	44.5	38.5	15.58	14100/-	33375/-	19275/-	2.36	14100/-	28875/-	14775/-	2.04
Maize	53.10	44.3	48.5	37.5	29.33	14300/-	36375/-	22075/-	2.54	14300	28125/-	13825/-	1.96
Millets													
Ragi	27.4	21.0	24.8	16.8	47.00	7000/-	19840/-	12840/-	2.83	5100/-	13440/-	8340/-	2.63
Ragi-GPU-28 + Horse gram	18.8 1.58	14.3 1.23	16.4 1.5	13.8	18.84	6500/-	14920/-	8420/-	2.29	5100/-	11040/-	5940/-	2.16
Ragi-GPU-28 + Redgram (TTB-7)	17.5 2.2	12.8 1.58	15.4 2.0	13.5	14.07	6750/-	17220/-	10470/-	2.55	5100/-	10800/-	5700/-	2.11
Navane	9.0	7.95	8.5	3.8	123.0	2000/-	7225/-	5255/-	3.60	1500/-	3230/-	1730/-	2.15
Same	7.91	6.75	7.3	3.5	108.5	3200/-	8030/-	4830/-	2.51	1900/-	1950/-	2350/-	2.02
Vegetables													
Chilli	113.8	108.1	110.1	84.8	29.8	27870/-	88080/-	60210/-	3.16	24180/-	67840/-	43660/-	2.80
Onion	147.8	138.6	142.9	83.7	26.7	24950/-	85740/-	60790/-	3.43	22310/-	50220/-	27910/-	2.25
French bean	159.2	143.8	152.4	126.7	20.52	22110/-	68580/-	46470/-	3.10	20200/-	57015/-	36815/-	2.85
Tomato (IPM)	32.25t	37t	29.15t	19.82t	45.07	40000/-	131115/-	91115/-	3.27	37450/-	89190/-	51740/-	2.38
Tomato (IPDM)	39.70t	33.50t	36.4t	26.30t	38.40	40000/-	145600/-	105600/-	3.64	38150/-	105200/-	67050/-	2.75
Flowers													
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Crop	8	9	10	11	12	13	14	15	16	17	18	19	20
Ornamental													
--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fruit													
Banana	29.81	27.14	28.66	22.25	28.80	133500/-	286000/-	152500/-	2.14	121000/-	222500/-	101500/-	1.83
Spices and condiments													
--	--	--	--	--	--	--	--	--	--	--	--	--	--
Commercial													
Sugarcane	91.25t	85.50t	88.77t	69.25t	28.15	60500/-	96625/-	36125/-	1.59	58750/-	76175/-	17425/-	1.29
Medicinal and aromatic													
--	--	--	--	--	--	--	--	--	--	--	--	--	--
Fodder													
Co-3 Napier	430	370	400	300	25	20000/-	40000/-	20000/-	2.00	20000/-	30000/-	10000/-	1.50
Plantation													
Coconut (Nuts/palm)	93	63	76	39	94.87	--	--	--	--	--	--	--	--
Fibre													
--	--	--	--	--	--	--	--	--	--	--	--	--	--
Others (pl.specify)	--	--	--	--	--	--	--	--	--	--	--	--	--

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			
Crop	Parameter with unit	Demo	Local
Paddy	% disease incidence (Sheath blight)	1-2%	18-20%
Maize	Plant height (cm)	170.12	170.10
	No. of rows/cob	14.18	13.25
Maize	Plant height (cm)	169.80	169.00
	No. of rows/cob	14.20	13.98
Ragi	Plant height (cm)	86.60	75.40
	No. of earhead/plant	4.5	2.5
Chilli	Plant height (cm)	80	69
	Number of fruits/plant (No.)	126	97
Onion	Percent of germination (%)	88.0	76.7
	Plant height (cm)	30.36	28.68
French bean	Percent germination (%)	89.4	78.6
	Plant height (cm)	43.24	41.80
Banana	Average weight of bunch (kg)	12.94	10.00
	Number of fingers in bunch	213	187

Crop	Parameter with unit	Demo	Local
Sugarcane	No. of hills/plant (No.)	07	06
	% Wooly aphid incidence (%)	--	10
Tomato (IPM)	Plant height (cm)	92.38	79.9
	No. of fruits/plant (No.)	45	34
	Size of the fruit	Medium	Small
	Fruit borer incidence (%)	3	20
Tomato (IPDM)	Plant height (cm)	86.10	91.30
	No. of fruits/plant (No.)	41	32
	% damage (%)	7 Early blight	15 Early blight
	Yield (t/ha)	36.4	26.3
	Colour	Brick red	Medium red
	Market preference	Very good	Very good
Coconut	No. of bunches/palm (No.)	6	3
	No. of nuts/palm (No.)	76	39
	% increase of yield over control (%)	94.87	--

5.B.4 Livestock

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																	
Cattle	Clean milk production and control of mastitis using saaf kit and PP lotion	HF Crossbred cow	05	05	--	--	--	--	--	--	--	--	--	--	--	--	--
Poultry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Rabbitry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Pigerry	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sheep and goat	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Duckery	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

Type of livestock	Data on other parameters in relation to technology demonstrated		
	Parameter with unit	Demo	Local
Cattle	Lactometer reading	1.026-1.028	1.020-1.023
	pH	6.5-7.0	7.5-8.0
	Ecto parasitic infestation	NIL	+++ (Severe)

5.B.5 Fisheries

Type of Breed	Name of the technology demonstrated	Breed	No. of Demo	Units/ Area (m ²)	Yield (q/ha)			
					Demo			Check
					H	L	A	
Common carps								
Fisheries	Composite fish culture in farm ponds using advanced carp fingerlings	<i>Catla catla, Labeo rohita</i>	05	4000 m ²	49	43	46	--
Fisheries	Growth assessment of Common carp and Amur carp in farm ponds (Production data of only Amur and Common carp are given)	<i>Cirrhinus mrigala, Cyprinus carpio, Amur Cyprinus carpio</i>	06	3000 m ²	8	7.49	7.7	06
Fisheries	Fish culture in concrete tanks using advanced fingerlings	<i>Catla catla, Labeo rohita</i>	05	500 m ²	38	30	34	--
Mussels	--	--	--	--	--	--	--	--
Ornamental fishes	--	--	--	--	--	--	--	--
Others (pl.specify)	--	--	--	--	--	--	--	--

Type of Breed	% Increase	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
		Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
Common carps									
Fisheries	--	48000/-	138000/-	90000/-	1.88	--	--	--	--
Fisheries	25	12000/-	23200/-	11200/-	0.93	12000/-	18000/-	6000/-	0.50
Fisheries	--	40000/-	99000/-	59000/-	1.48	--	--	--	--
Mussels	--	--	--	--	--	--	--	--	--
Ornamental fishes	--	--	--	--	--	--	--	--	--
Others (pl.specify)	--	--	--	--	--	--	--	--	--

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			
Crop	Parameter with unit	Demo	Local
Fisheries (FLD-1)	Fish average weight in (g)	622	--
Fisheries (FLD-2)	Fish average weight in (g)	600	450
Fisheries (FLD-3)	Fish average weight in (g)	550	--

5.B.6 Other enterprises

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)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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

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										
--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

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	
1	Production Technology	ICM	--	MRC-6918	Kharif 2008-09	50	50	08	42	50	--
2	IPM	--	--	--	--	--	--	--	--	--	--
3	Farm Implements	Inter cultivation and weeding	--	MRC-6918	Kharif 2008-09	25	25	12	13	25	--

Production technology demonstrations

Performance of demonstrations

Farming situation	Technology Demonstrated	Area (ha)	No.of demo.	Variety	Hybrid	Yield (q/ha)		% Increase
						Demo	Local	
Rainfed	Integrated Crop Management Village - Anajigere Budihal	07	07	--	MRC 6918	15.54	9.88	57.75
		43	43	--	MRC 6918	15.13	9.54	58.59

Economics of demonstration (Rs./ha)				Economics of local check (Rs./ha)			
Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
16950/-	38850/-	21900/-	2.29	20845/-	24700/-	3855/-	1.18
16950/-	37825/-	20875/-	2.23	20845/-	23850/-	3005/-	1.14

Performance of Bt hybrids, Desi hybrids, non-Bt hybrids and Varieties in Front Line Demonstrations in cotton during 2008-09

Category	Farming situation	Technology Demonstrated	Area (ha)	No.of demo.	Variety	Hybrid	Yield (q/ha)		% Increase
							Demo	Local	
Bt hybrids MRC-6918	Rainfed	Integrated Crop Management Village - Anajigere Budihal	07	07	--	MRC 6918	15.54	9.88	57.75
			43	43	--	MRC 6918	15.13	9.54	58.59

Economics of demonstration (Rs./ha)				Economics of local check (Rs./ha)			
Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
16950/-	38850/-	21900/-	2.29	20845/-	24700/-	3855/-	1.18
16950/-	37825/-	20875/-	2.23	20845/-	23850/-	3005/-	1.14

Integrated pest management demonstrations – *Not applicable*

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

Demonstrations on farm implements

Name of the implement	Area (ha)	No. of Demo.	Name of the technology demonstrated	Details on parameters		
				Demo	Local check	BCR
Power weeder	50	50	Power weeding and inter cultivation			
			Capacity output ha/hour	0.07	0.0425	--
			Man hr/ha	169	13	--
			Weed biomass weight before operation kg/sq.m.	0.150	0.150	--

Extension Programmes organized in Cotton demonstration plots

Extension activity	No. of Programmes	Participants			SC/ST		
		Male	Female	Total	Male	Female	Total
Consultancy	09	22	17	39	12	09	21
Conventions	--	--	--	--	--	--	--
Demonstrations	06	35	12	47	08	03	11
Diagnostic surveys	10	--	--	--	--	--	--
Exhibition	01	--	--	--	--	--	--
Farmer study tours	01	--	--	--	--	--	--
Farmers Field school	01	20	--	--	05	--	05
Field Days	01	28	17	55	05	03	08
Field visits	10	--	--	--	--	--	--
Gram sabha	--	--	--	--	--	--	--
Group discussions	03	67	16	83	09	07	16
Kisan Gosthi	--	--	--	--	--	--	--
Kisan Mela	--	--	--	--	--	--	--

Training for Extension Functionaries	02	11	03	14	01	01	02
Training for farmers	12	197	27	224	49	23	72
Video show	03	--	--	--	--	--	--
Newspaper coverage	05						
Popular articles	--	--	--	--	--	--	--
Publication	01	--	--	--	--	--	--
Radio talks	--	--	--	--	--	--	--
T.V. Programme	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--
TOTAL							

Technical Feedback on the demonstrated technologies on all crops / enterprise

S. No	Crop / Enterprise	Name of the technology demonstrated	Feed Back
1	Paddy	Yield maximization and nutrient management in paddy TANU (KMP-101)	- Seeds should be easily available to farmers at Raitha Samparka Kendra (RSK) level.
2	Maize	Yield and income maximization in Maize (NAH-2049)	- Seeds should be properly tested for germination - Some FLD plots observed poor germination - Seeds should be easily available at RSK level
3	Chilli	Production technology of HYV Samruddhi for rainfed	- Need to supply seeds free from admixtures - Need to develop var. resistant to muruga complex in rainfed situation
4	Onion	Disease resistant variety ArkaArka kalyan	- Bulb of Arka kalyan fetched better price in market because of its size and colour - Popularization of this variety helps to reduce cost of production by the way of decreasing cost of plant protection chemicals
5	French bean	HYV Arka komal	- Arka komal gives better yield compare to local check - Seed treatment ensures better germination

			- Profilactic spray helps to reduce sucking pests
6	Banana	Use of Banana special to tackle micronutrient deficiency	- Needs continues supply of micronutrient mixture - Need to print exact price on the packet
7	Soybean	Production technology of HYV JS-335	- Need to develop aphids and pod borer resistant variety
8	Tomato (IPM)	IPM in Tomato	- Availability of neem soap at RSK level - Need to develop fruit borer resistant variety
9	Tomato (IPDM)	IPDM in Tomato	- Availability of bacterial wilt resistant variety Arka ananya at RSK level
10	Redgram	IPM in Redgram	- Need to develop pod borer resistant variety.
11	Bengalgram	IPM in Bengalgram	- Need to develop pod borer resistant variety.
12	Sunflower	Improved cultivation practices of KBSH-53	- Need develop bud necrosis resistant variety. - Need to popularize IPM and INM in sunflower.
13	Fodder	Production of Co-3 fodder and its feeding in dairy animals	- The fodder is nutritious and giving good fodder yield increased milk production in cross bred cows
14	Cattle	Clean milk production control of mastitis using saaf kit and PP lotion	- Easy to apply and giving good control over ecto parasites and germs. - Quality of milk improved.
15	Fisheries	Composite fish culture in farm ponds using advanced carp fingerlings	- Advanced fingerlings should be made available by Government system in near by place and in appropriate time - Bag feeding with complete feed is good in increasing the average weight of fish
16	Fisheries	Growth assessment of Common carp and Amur carp in farm ponds	- Amur carp was found to perform better than ordinary common carp - Fingerlings should be made available by Government system in nearby places
17	Fisheries	Fish culture in concrete tanks using advanced fingerlings	- Rate of weight gain is slower in concrete tank that in earthen ponds

Farmers' reactions on specific technologies

S. No	Crop / Enterprise	Name of the technology demonstrated	Feed Back
1	Paddy	Yield maximization and nutrient management in paddy TANU (KMP-101)	<ul style="list-style-type: none"> - Farmers expressed that the price of TANU is Rs. 100/- less/quintal compare to other varieties at Davanagere - Percent incidence of disease is very negligible compared to other varieties
2	Maize	Yield and income maximization in Maize (NAH-2049)	<ul style="list-style-type: none"> - Resistant to stem borer and leaf blight - Seeds are bold, more no. of rows/cob
3	Ragi	Production technology of high yielding variety (GPU-28)	<ul style="list-style-type: none"> - Higher yield compared to local varieties - 4-5 ear heads/plant
4	Chilli	Production technology of HYV Samruddhi for rainfed	<ul style="list-style-type: none"> - Better yield compare to local check - Supply quality seeds - Quality seedlings production by raised seed bed method
5	Onion	Disease resistant variety ArkaArka kalyan	<ul style="list-style-type: none"> - Good response from farmers side. They have already taken up seed production of the variety with technical assistance from KVK - Good demand for area expansion in the variety
6	French bean	HYV Arka komal	<ul style="list-style-type: none"> - Better in taste compare to local check - Good yield compare to local variety
7	Banana	Use of Banana special to tackle micronutrient deficiency	<ul style="list-style-type: none"> - Technology helped to increase bunch weight - Lot of demand from neighbouring farmers to adopt same technology - Bunches having good shelf life
8	Soybean	Production technology of HYV JS-335	<ul style="list-style-type: none"> - Soil application with trichoderma reduces soil borne disease. - Seed treatment and soil application of Rhizobium and PSB helps in improving the soil fertility. - Seed should be made available to farmers at RSK level - Germination was poor and crop growth was not up to the mark

S. No	Crop / Enterprise	Name of the technology demonstrated	Feed Back
9	Tomato (IPM)	IPM in Tomato	<ul style="list-style-type: none"> - Marigold acts as trap crop that attracts fruit borer for egg laying - Trichoderma and neem soap are ecofriendly agent reduces pest and diseases - Adoption of IPM packages gives higher net returns
10	Tomato (IPDM)	IPDM in Tomato	<ul style="list-style-type: none"> - Tomato hybrid Arka ananya performs well under high incidence of bacterial wilt plots, gives attractive colour fruit having very good market preference. - Trichoderma, neem cake and neem soap are ecofriendly agent reduces pest and diseases
11	Redgram	IPM in Redgram	<ul style="list-style-type: none"> - Soil application with biofertilizers like PSB, Rhizobium and Trichoderma improves soil fertility and IPM practices like neem oil, NPV and regular chemical sprays reduces pest load.
12	Bengalgram	IPM in Bengalgram	<ul style="list-style-type: none"> - Soil application with biofertilizers like PSB, Rhizobium and Trichoderma improves soil fertility and IPM practices like neem oil, NPV and regular chemical sprays reduces pest load.
13	Sugarcane	Woolly aphid resistant variety COVC-2003-165	<ul style="list-style-type: none"> - Percent incidence of woolly aphid was negligible and sugar recovery percent was low
14	Coconut	Integrated management of BHC in Coconut	<ul style="list-style-type: none"> - Root feeding with nimbicidine at regular interval, release of bio-agent <i>Goniozes nephentedis</i> at proper time and proper management practices reduces BHC level in field.
15	Sunflower	Improved cultivation practices of KBSH-53	<ul style="list-style-type: none"> - Seed treatment with gaucho reduces incidence of bud necrosis. - Spraying with neem oil and imidacloprid effectively reduces bud necrosis. - Borax spray during flowering stage increases the yield and oil content. - Spray with cypermethrin reduces the incidence of black headed caterpillar.

S. No	Crop / Enterprise	Name of the technology demonstrated	Feed Back
16	Fodder	Production of Co-3 fodder and feeding in dairy animals	- Farmers have expressed good opinion about the fodder – nutritious and increased milk production.
17	Cattle	Clean milk production and control of mastitis using saaf kit, PP lition and mosquito repellent oil mix	- Farmers have expressed good opinion about the technology and they are interested in continuing it.
18	Fisheries	Composite fish culture in farm ponds using advanced carp fingerlings	- Scientific fish culture practices are useful and user friendly - Proper management and regular monitoring will add to the total production - Income gained in small area has opened our eyes
19	Fisheries	Growth assessment of Common carp and Amur carp in farm ponds	- Amur performed better than ordinary Common carp with respect to feed conversion and total weight gain - Seed availability should be assured in the vicinity - Seed price must be brought down
20	Fisheries	Fish culture in concrete tanks using advanced fingerlings	- Farmers have felt that fish culture by them should be taken up in larger earthen ponds in future.

Extension and Training activities under FLD**Paddy – (TANU-KMP-101)**

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Group discussion	2	22-05-08 26-05-08	24 30	Selection of farmers for paddy FLD
2	Farmers Training	3	02-06-08 24-07-08 27-08-08	14 48 15	Improved production technologies in rice INM in paddy Integrated pest management in paddy
3	Field visit to FLD plots	5	30-06-08 09-07-08 10-08-08 27-08-08 21-10-08	--	Sowing in seed bed Observation of germination Fertilizer application Observation of pest and diseases Observation of seeds turned brown colour
4	Media coverage Paper clippings	3	31-05-08 18-07-08 19-07-08 20-07-08	--	Vijay Karnataka Vijay Karnataka Prajavani Kannada prabha, Janathavani
5	Field day	1	05-11-08	15	Farmers sharing the experience of new variety.

Maize (NAH-2049)

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Group discussion	2	21-05-08 22-05-08	23 24	Selection of farmers for FLD
2	Farmers Training	3	30-05-08 02-06-08 20-06-08	11 14 08	Improved production technologies in hybrid maize Improved characteristics of high yielding turicum leaf blight, downey mildew and cob borer resistant maize hybrid NAH-2049
3	Field visit to FLD plots	5	10-06-08 16-07-08 31-07-08 27-08-08 21-10-08	--	Sowing Crop under moisture stress and long dry spell and stem borer incidence Diagnostic field visit Observation of pest and diseases Harvesting
4	Media coverage Paper clippings	3	31-05-08 03-06-08 06-06-08 23-06-08 10-07-08 20-07-08 04-11-08	--	Vijay Karnataka Kannada prabha Vijay Karnataka Vijay Karnataka Prajavani Kannada prabha Prajavani
5	Field day	1	30-10-08	54	Farmers, Department of Agriculture officials and ADE, UAS, Bangalore sharing the experience of new hybrid.

Ragi (GPU-28), Navane (STA-326) and Same(S-203)

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Group discussion	1	22-05-08	24	Selection of farmers for FLD
2	Farmers Training	2	30-05-08 20-06-08	11 08	Improved production technologies in millets Production technology of Ragi, Navane and Same
3	Field visit to FLD plots	2	27-08-08 21-10-08	--	One month old crop Harvesting
4	Media coverage Paper clippings	5	31-05-08 06-06-08 10-07-08 20-07-08 04-11-08	--	Vijay Karnataka Vijay Karnataka Prajavani Kannada prabha Prajavani
5	Field day	1	28-11-08	54	Field day (Navane)

Chilli (Samruddhi)

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Farmers Training	1	18-06-08	29	Production technology and micronutrient deficiency practices in vegetable crops
2	Group discussion	1	18-06-08	29	For selection of farmers
3	Field visit to FLD plots	7	27-06-08 10-07-08 31-07-08 06-08-08 13-08-08 05-09-08 04-10-08	--	Regular follow up of plots and gave necessary suggestions
4	Media coverage Paper clippings	3	20-06-08 23-06-08 30-06-08	--	Kannada prabha
5	Field day	1	26-10-08	32	--

Onion (Arka kalyan)

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Farmers Training	2	19-06-08	12	Improved cultivation practices of onion and its seed production.
			12-08-08	22	Production technology of onion and pest management.
2	Group discussion	1	28-06-08	18	For selection of farmers
3	Seminar	1	01-09-08	85	Production technology of onion sponsored by NHRDF, Dharwad
4	Field visit to FLD plots	4	02-07-08	--	Regular follow up of plots and gave necessary suggestions
			03-08-08		
			01-09-08		
			21-09-08		
5	Media coverage Paper clippings	2	04-08-08	--	Kannada prabha
			06-11-08		
6	Field day	1	06-11-08	13	--

French bean (Arka komal)

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Farmers Training	1	21-05-08	15	Improved production technologies in vegetable crops
2	Group discussion	1	19-05-08	14	For selection of farmers
3	Field visit to FLD plots	3	31-05-08 20-07-08 27-07-08	--	Regular follow up of plots and gave necessary suggestions
4	Media coverage Paper clippings	3	31-05-08 20-07-08 27-07-08	--	Kannada prabha

Banana (Yelakki bale)

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Farmers Training	01	18-06-08	29	Production technology of Banana
2	Group discussion	01	18-06-08	29	For selection of farmers
3	Field visit to FLD plots	09	27-06-08 10-07-08 31-07-08 06-08-08 13-08-08 05-09-08 14-10-08 10-01-09 24-02-09	--	Regular follow up of visits and gave necessary suggestions
4	Media coverage Paper clippings	02	18-01-08 18-01-09	--	Kannada prabha
	TV. Programme	01	30-01-09	--	Talk on use of Banana special

Soybean (JS-335)

Sl.No.	Activities	No. of programmes	No. of participants	Remarks
1.	Training Programmes For farmers			
	On campus	01 06-12-2008	11	Improved cultivation practices in Soybean
2.	Method demonstrations	03	43	Seed treatment with Tricoderma, PSB & Rhizobium, sowing & spray operation
3.	Field visits to FLD plots	05 06-12-2008 28-12-2008 21-01-2009 07-02-2009 12-02-2009	--	Sowing & seed treatment Diagnostic visits Spraying operation
4.	Group discussion	01 03-12-2008	15	Preliminary visit

Tomato (US-Agri-618) : IPM

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Group discussion	1	07-07-08	13	Selection of farmers for Tomato FLD
2	Farmers Training	1	20-07-08	11	Integrated pest management in Tomato
3	Method demonstration	4	21-07-08 21-08-08 05-09-08 25-09-08	08 14 11 13	-Root dipping of seedlings in Trichoderma solution and neem cake application -Spraying with Planofix, Imidacloprid and indaxicarb -Spray with neem soap (1%)
4	Field visit to FLD plots	7	21-07-08 25-07-08 21-08-08 05-09-08 29-09-08 27-10-08 05-12-08	--	Transplanting of tomato seedlings Observation of pest and diseases Neem cake application and neem soap spray Spraying with Planofix and Imidacloprid Diagnostic field visit and indaxicarb spary Diagnostic field visit Field day
5	Media coverage Paper clippings	3	03-08-08 05-08-08 11-09-08	--	Kannada prabha Vijay Karnataka Kannada prabha
6	Field day	1	05-12-08	15	Farmers sharing the experience of adopting the IPM technology in getting higher net returns.

Tomato (Arka ananya) : IPDM

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Group discussion	1	02.01.2009	11	Selection of farmers for Tomato FLD
2	Farmers Training	1	07.01.2009	15	Integrated pest and disease management in Tomato
3	Method demonstration	4	29.01.2009 18.02.2009 03.03.2009 13.04.2009	09 07 12 11	- Root dipping of seedlings in Trichoderma solution and neem cake application - Spraying with Planofix, Imidacloprid and indaxicarb - Spray with neem soap (1%)
4	Field visit to FLD plots	06	29.01.2009 18.02.2009 03.03.2009 24.03.2009 13.04.2009 29.04.2009	--	Transplanting of tomato seedlings Observation of pest and diseases Neem cake application and neem soap spray Spraying with chemicals Diagnostic field visit

Redgram (S-2)

Sl.No.	Activities	No. of programmes	No. of participants	Remarks
1.	Training programmes for farmers			
	Off campus	01 10.07.2008	15	Improved cultivation practices and IPM in red gram
2.	Method demonstrations	03	43	Seed treatment with trichoderma, traps installation and neem spray
3.	Field visits to FLD plots	06 11.07.2008 07.08.2008 10.09.2008 06.10.2008 17.10. 2008 02.11.2008 18.11.2008 03.12.2008	--	Sowing operation Diagnostic visit Diagnostic visit Traps installation Spray with profenophos Neem oil spray NPV spray Spray with quinolphos
4.	Group discussion	01 08.07.2008	--	Preliminary visit
5.	Field day	01 05.12.2008	23	Sharing the experience of adopting IPM technology in controlling pests

Bengalgram (A-1)

Sl.No.	Activities	No. of programmes	No. of participants	Remarks
1.	Training Programmes for farmers			
	Off campus	01 07.11.2008	22	Improved cultivation practices and IPM in bengalgram
2.	Method demonstrations	01	45	Seed treatment with trichoderma, traps installation, NPV & neem spray & spraying methods
3.	Field visits to FLD plots	05 07.11.2008 17.11.2008 13.12.2008 12.01.2008 14.02.2008	--	Sowing operation Diagnostic visit Pest observation & disease diagnosis Traps installation Neem & NPV spray
4.	Group discussion	01 07.11.2008	28	Preliminary visit
5.	Paper coverage	01 13.11.2008	--	Kannada prabha

Sugarcane (COVC-2003-165)

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Group discussion	1	28.06.2008	09	Selection of farmers for Sugarcane FLD
2	Farmers Training	1	01.07.2008	11	Wooly aphid resistant variety COVC-2003-165
3	Method demonstration	1	01.07.2008	13	Seed treatment with bavistin
4	Field visit to FLD plots	08	22.07.2008 11.09.2008 18.10.2008 17.12.2008 14.02.2009 20.04.2009 08.05.2009 18.08.2009	--	Sowing Pest and disease observation Diagnostic visits
5	Paper clippings	01	04.07.2008	--	Kannada Prabha

Coconut (Tiptur tall)

Sl.No.	Activity	No. of activities organized	Date	Number of participants	Remarks
1	Group discussion	1	15.07.2008	11	Selection of farmers for Coconut FLD
2	Farmers Training	1	22.07.2008	14	Management of BHC in Coconut
3	Method demonstration	2	06.08.2008 18.03.2009	13 16	Root feeding with Neem product Release of bio-agent <i>Goniozus nephentidis</i>
4	Field visit to FLD plots	6	21.10.2008 14.02.2009 28.04.2009 13.05.2009 16.06.2009 01.07.2009	--	Pest observation Diagnostic visit

Sunflower (KBSH-53)

Sl.No.	Activities	No. of programmes	No. of participants	Remarks	
1.	Training Programmes for farmers				
	On campus	04	29.05.2008 07.07.2008 25.07.2008 01.08.2008	16 13 18 11	Production technology in Sunflower Management of bud necrosis, black headed caterpillar and use of borax in sunflower. Management of bud necrosis in sunflower. Improved cultivation practices in sunflower.
2.	Field day	01	29.09.2008	37	--
3.	Method demonstrations	03		50	Seed treatment with gouth, Borax spray
4.	Field visits to FLD plots	06	07.06.2008 07.07.2008 25.07.2008 03.08. 2008 21.08.2008 15.09.2008	--	Sowing (Budihal) Observation of pests & management Bud necrosis management Sowing (Anajigere) Flowering stage (Borax spray) Diagnostic visit
5.	Group discussion	01	27.05.2008	--	Preliminary visit
6.	Media Coverage Paper coverage	03	11.07.2008 16.07.2008 04.08.2008	--	Kannada prabha Prajavani Vijayakarnataka

Fodder

Sl.No.	Activity	No. of activities organized	Date	No. of participants	Remarks
1	Group discussion and farmers selection	01	06-08-2008	20	--
2	Farmers Training and Method demonstrations	01	16-08-2008	26	Provided details on feeding fodder crops
3	Field visit to FLD plots	03	06-08-2008 16-08-2008 01-03-2009	--	To give technical details and collect observations on the demos.

Cattle

Sl.No.	Activity	No. of activities organized	Date	No. of participants	Remarks
1	Group discussion and farmers selection	01	01-03-2009	20	--
2	Farmers Training and Method demonstrations	01	01-03-2009	20	Provided details on feeding fodder crops
3	Field visit to FLD plots	11	06-08-2008 17-08-2008 04-09-2008 20-09-2008 26-09-2008 01-03-2009 17-03-2009 01-04-2009 15-04-2009 06-05-2009	--	To give technical details and collect observations on the demos.

Fisheries – Composite Fish Culture in farm ponds using advanced carp fingerlings.

Sl.No.	Activity	No. of activities organized	Date	Remarks
1	Farmers Training and Method demonstrations	5	19-03-08 22-05-08 24-06-08 14-07-08 22-07-08	Integrated fish farming in inland ponds Aquaculture in farm ponds-Pond preparation and management. Seed selection, Stocking, Fertilization and feeding management. Fish culture in Paddy plots-an additional crop. Lime application in aquaculture.
2	Group discussion	2	24-3-08 25-03-08	Identification of potential farmers and selection of farmers
3	Field visit to FLD plots	9	15-07-08 16-07-08 13-08-08 04-09-08 25-09-08 16-12-08 03-06-09 10-06-09	Soil testing Seed stocking Feeding demo- Vitamin mineral Mixture given Follow up visit TRDF board member visit Follow up visit and test sampling Follow up visit and instructed for harvesting Harvested
4	Media coverage Paper clippings	3	08-07-08 06-07-08 27-06-08	Janathavani : Beneficial aquaculture for small farmers Vijayakarnataka: Aquaculture for enhanced benefits. Kannada Prabha: Inland farmers need to took at aquaculture.
	Radio Programme	1	08-06-08	AIR, Bhadravathi - “Larvicidal fishes for better health”

Fisheries – Growth assessment of common carp and Amur Common Carp in farm ponds.

Sl.No.	Activity	No. of activities organized	Date	Remarks
1	Farmers Training and Method demonstrations	2	23-03-08 15-07-08	Aquaculture practices in Amur Carp and Common carp farming. Fish seed selection and pond management.
2	Group discussion and farmers selection	2	15-07-08 04-08-08	
3	Field visit to FLD plots	6	16-07-08 13-08-08 25-09-08 16-12-08 03-06-09 17-06-09	Seed stocking Feeding regime Regular fertilization Sampling for weight gain observation Sampling Final harvest

Fisheries – Fish culture in concrete tanks using advanced fingerlings.

Sl.No.	Activity	No. of activities organized	Date	Remarks
1	Farmers Training	1	25-03-08	Fish culture in Water storage structures.
2	Group discussion	1	22-05-08	Farmers identification for FLD
3	Field visit to FLD plots	6	16-07-08 13-08-08 25-09-08 16-12-08 03-06-09 12-06-09	Seed stocking Feeding regime Follow-up Sampling Sampling Harvested

PART VI – DEMONSTRATIONS ON CROP HYBRIDS**Demonstration details on crop hybrids**

Type of Breed	Name of the technology demonstrated	Name of the hybrid	No. of Demo	Units/ Area (m ²)	Yield (q/ha)			
					Demo			Check
					H	L	A	
1	2	3	4	5	6	7	8	9
Cereals								
Bajra	--	--	--	--	--	--	--	--
Maize	Yield and income maximization	NAH-2049	08	3.0	50.3	41.8	44.5	38.5
	Popularization of production technology hybrid maize	NAH-2049	05	2.0	53.10	44.3	48.5	37.5
Rice	--	--	--	--	--	--	--	--
Sorghum	--	--	--	--	--	--	--	--
Wheat	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--
Total								
Oilseeds								
Castor	--	--	--	--	--	--	--	--
Mustard	--	--	--	--	--	--	--	--
Saaflower	--	--	--	--	--	--	--	--
Sesame	--	--	--	--	--	--	--	--
Sunflower	Improved cultivation practices	KBSH-53	11	5.0	18.19	12.26	15.60	10.15
		KBSH-53	11	5.0	19.54	15.71	17.80	12.50
Groundnut	--	--	--	--	--	--	--	--
Soybean	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--
Total								

1	2	3	4	5	6	7	8	9
Pulses								
Greengram	--	--	--	--	--	--	--	--
Blackgram	--	--	--	--	--	--	--	--
Bengalgram	--	--	--	--	--	--	--	--
Redgram	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--
Total								
Vegetable crops								
Bottle gourd	--	--	--	--	--	--	--	--
Capsicum	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--
Total								
Cucumber	--	--	--	--	--	--	--	--
Tomato	IPM in Tomato	US-Agri-618	05	01	32.0	25.37	29.15	19.82
Brinjal	--	--	--	--	--	--	--	--
Okra	--	--	--	--	--	--	--	--
Onion	--	--	--	--	--	--	--	--
Potato	--	--	--	--	--	--	--	--
Field bean	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--
Total								

1	2	3	4	5	6	7	8	9
Commercial crops								
Cotton	Integrated Crop Management –Anajigere	MRC-6918	07	2.8	17.20	13.50	15.54	9.88
	Integrated Crop Management –Budihal	MRC-6918	43	17.2	17.50	12.8	15.13	9.54
Sugarcane	--	--	--	--	--	--	--	--
Coconut	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--
Total								
Fodder crops	--	--	--	--	--	--	--	--
Maize (Fodder)	--	--	--	--	--	--	--	--
Sorghum (Fodder)	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--
Total								

H-High L-Low, A-Average

Demonstration details on crop hybrids contd.....

Type of Breed	% Increase	Economics of demonstration (Rs./ha)				Economics of check (Rs./ha)			
		Gross Cost	Gross Return	Net Return	BCR	Gross Cost	Gross Return	Net Return	BCR
10	11	12	13	14	15	16	17	18	19
Cereals									
Bajra	--	--	--	--	--	--	--	--	--
Maize	15.58	14100/-	33375/-	19275/-	2.36	14100/-	28875/-	14775/-	2.04
Maize	29.33	14300/-	36375/-	22075/-	2.54	14300	28125/-	13825/-	1.96
Rice	--	--	--	--	--	--	--	--	--
Sorghum	--	--	--	--	--	--	--	--	--
Wheat	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--
Total									
Oilseeds									
Castor	--	--	--	--	--	--	--	--	--
Mustard	--	--	--	--	--	--	--	--	--
Saaflower	--	--	--	--	--	--	--	--	--
Sesame	--	--	--	--	--	--	--	--	--
Sunflower	45.11	18900/-	39000/-	20100/-	2.06	20100/-	26875/-	6775/-	1.33
Sunflower	42.40	18450/-	44500/-	26050/-	2.41	19800/-	31250/-	11450/-	1.57
Groundnut	--	--	--	--	--	--	--	--	--
Soybean	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--
Total									

10	11	12	13	14	15	16	17	18	19
Pulses									
Greengram	--	--	--	--	--	--	--	--	--
Blackgram	--	--	--	--	--	--	--	--	--
Bengalgram	--	--	--	--	--	--	--	--	--
Redgram	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--
Total									
Vegetable crops									
Bottle gourd	--	--	--	--	--	--	--	--	--
Capsicum	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--
Total									
Cucumber	--	--	--	--	--	--	--	--	--
Tomato	45.07	40000/-	131115/-	91115/-	3.27	37450/-	89190/-	51740/-	2.38
Brinjal	--	--	--	--	--	--	--	--	--
Okra	--	--	--	--	--	--	--	--	--
Onion	--	--	--	--	--	--	--	--	--
Potato	--	--	--	--	--	--	--	--	--
Field bean	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--
Total									

10	11	12	13	14	15	16	17	18	19
Commercial crops									
Cotton	57.75	16950/-	38850/-	21900/-	2.29	20845/-	24700/-	3855/-	1.18
Cotton	58.59	16950/-	37825/-	20875/-	2.23	20845/-	23850/-	3005/-	1.14
Sugarcane	--	--	--	--	--	--	--	--	--
Coconut	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--
Total									
Fodder crops	--	--	--	--	--	--	--	--	--
Maize (Fodder)	--	--	--	--	--	--	--	--	--
Sorghum (Fodder)	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--
Total									

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	
1	2	3	4	5	6	7	8	9	10	11	
Crop Production											
Weed Management	02	06	--	06	15	05	20	21	05	26	
Resource Conservation Technologies	--	--	--	--	--	--	--	--	--	--	
Cropping Systems	--	--	--	--	--	--	--	--	--	--	
Crop Diversification	--	--	--	--	--	--	--	--	--	--	
Integrated Farming	03	08	88	96	08	36	44	16	124	140	
Micro Irrigation/Irrigation	--	--	--	--	--	--	--	--	--	--	
Seed production	--	--	--	--	--	--	--	--	--	--	
Nursery management	--	--	--	--	--	--	--	--	--	--	
Integrated Crop Management	06	38	06	44	27	17	44	65	23	88	
Soil and Water Conservation	02	85	51	136	17	--	17	102	51	153	
Integrated Nutrient Management	01	21	--	21	09	--	09	30	--	30	
Production of organic inputs	02	--	56	56	--	34	34	--	90	90	
Others	--	--	--	--	--	--	--	--	--	--	

1	2	3	4	5	6	7	8	9	10	11
Horticulture										
a) Vegetable Crops										
Production of low value and high volume crop	01	04	--	04	--	01	01	04	01	05
Off-season vegetables	--	--	--	--	--	--	--	--	--	--
Nursery raising	--	--	--	--	--	--	--	--	--	--
Exotic vegetables	--	--	--	--	--	--	--	--	--	--
Export potential vegetables	--	--	--	--	--	--	--	--	--	--
Grading and standardization	--	--	--	--	--	--	--	--	--	--
Protective cultivation	--	--	--	--	--	--	--	--	--	--
Others – Nutrient management	01	08	--	08	02	--	02	10	--	10
b) Fruits										
Training and Pruning	--	--	--	--	--	--	--	--	--	--
Layout and Management of Orchards	--	--	--	--	--	--	--	--	--	--
Cultivation of Fruit	--	--	--	--	--	--	--	--	--	--
Management of young plants/orchards	--	--	--	--	--	--	--	--	--	--
Rejuvenation of old orchards	--	--	--	--	--	--	--	--	--	--
Export potential fruits	--	--	--	--	--	--	--	--	--	--
Micro irrigation systems of orchards	--	--	--	--	--	--	--	--	--	--
Plant propagation techniques	--	--	--	--	--	--	--	--	--	--
Others – Dry land Horticulture	01	22	--	22	07	--	07	29	--	29

1	2	3	4	5	6	7	8	9	10	11
c) Ornamental Plants										
Nursery Management	--	--	--	--	--	--	--	--	--	--
Management of potted plants	--	--	--	--	--	--	--	--	--	--
Export potential of ornamental plants	--	--	--	--	--	--	--	--	--	--
Propagation techniques of Ornamental Plants	--	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--	--
d) Plantation crops										
Production and Management technology	03	18	02	20	05	--	05	23	02	25
Processing and value addition	01	--	06	06	--	07	07	--	13	13
Others – Integrated Pest Management	01	09	--	09	01	--	01	10	--	10
e) Tuber crops										
Production and Management technology	--	--	--	--	--	--	--	--	--	--
Processing and value addition	--	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--	--
f) Spices										
Production and Management technology	--	--	--	--	--	--	--	--	--	--
Processing and value addition	--	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--	--
g) Medicinal and Aromatic Plants										
Nursery management	--	--	--	--	--	--	--	--	--	--
Production and management technology	--	--	--	--	--	--	--	--	--	--
Post harvest technology and value addition	--	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--	--

1	2	3	4	5	6	7	8	9	10	11
Soil Health and Fertility Management										
Soil fertility management	--	--	--	--	--	--	--	--	--	--
Integrated water management	01	--	35	35	--	01	01	--	36	36
Integrated nutrient management	03	38	--	38	19	04	23	57	04	61
Production and use of organic inputs	01	01	11	12	02	--	02	03	11	14
Management of Problematic soils	--	--	--	--	--	--	--	--	--	--
Micro nutrient deficiency in crops	--	--	--	--	--	--	--	--	--	--
Nutrient use efficiency	--	--	--	--	--	--	--	--	--	--
Balanced use of fertilizers	--	--	--	--	--	--	--	--	--	--
Soil and water testing	01	11	01	12	08	--	08	11	09	20
Others	--	--	--	--	--	--	--	--	--	--
Livestock Production and Management										
Dairy Management	13	28	426	454	07	513	520	35	939	974
Poultry Management	--	--	--	--	--	--	--	--	--	--
Piggery Management	--	--	--	--	--	--	--	--	--	--
Rabbit Management	--	--	--	--	--	--	--	--	--	--
Animal Nutrition Management	--	--	--	--	--	--	--	--	--	--
Animal Disease Management	01	--	24	24	--	08	08	--	32	32
Feed and Fodder technology	03	20	18	38	--	12	12	20	30	50
Production of quality animal products	--	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--	--

1	2	3	4	5	6	7	8	9	10	11
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	--	--	--	--	--	--	--	--	--	--
Design and development of low/minimum cost diet	01	--	18	18	--	--	--	--	18	18
Designing and development for high nutrient efficiency diet	--	--	--	--	--	--	--	--	--	--
Minimization of nutrient loss in processing	--	--	--	--	--	--	--	--	--	--
Processing and cooking	01	--	17	17	--	--	--	--	17	17
Gender mainstreaming through SHGs	--	--	--	--	--	--	--	--	--	--
Storage loss minimization techniques	--	--	--	--	--	--	--	--	--	--
Value addition	01	02	02	04	10	--	10	12	02	14
Women empowerment	04	2	34	36	01	42	43	03	76	79
Location specific drudgery production	--	--	--	--	--	--	--	--	--	--
Rural Crafts	--	--	--	--	--	--	--	--	--	--
Women and child care	--	--	--	--	--	--	--	--	--	--
Others – Products produced by rural women	01	--	14	14	--	04	04	--	18	18
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	--	--	--	--	--	--	--	--	--	--

1	2	3	4	5	6	7	8	9	10	11
Plant Protection										
Integrated Pest Management	07	90	04	94	28	04	32	118	08	126
Integrated Disease Management	--	--	--	--	--	--	--	--	--	--
Bio-control of pests and diseases	--	--	--	--	--	--	--	--	--	--
Production of bio control agents and bio pesticides	--	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--	--
Fisheries										
Integrated fish farming	08	98	02	100	200	02	202	298	04	302
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 - Fish culture as an enterprise in watershed areas	01	12	07	19	11	--	11	23	07	30

1	2	3	4	5	6	7	8	9	10	11
Production of Inputs at site										
Seed Production	--	--	--	--	--	--	--	--	--	--
Planting material production	--	--	--	--	--	--	--	--	--	--
Bio-agents production	--	--	--	--	--	--	--	--	--	--
Bio-pesticides production	--	--	--	--	--	--	--	--	--	--
Bio-fertilizer production	--	--	--	--	--	--	--	--	--	--
Vermi-compost production	--	--	--	--	--	--	--	--	--	--
Organic manures production	--	--	--	--	--	--	--	--	--	--
Production of fry and fingerlings	--	--	--	--	--	--	--	--	--	--
Production of Bee-colonies and wax sheets	--	--	--	--	--	--	--	--	--	--
Small tools and implements	--	--	--	--	--	--	--	--	--	--
Production of livestock feed and fodder	--	--	--	--	--	--	--	--	--	--
Production of Fish feed	--	--	--	--	--	--	--	--	--	--
Mushroom production	--	--	--	--	--	--	--	--	--	--
Apiculture	--	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--	--

1	2	3	4	5	6	7	8	9	10	11
Capacity Building and Group Dynamics										
Leadership development	--	--	--	--	--	--	--	--	--	--
Group dynamics	--	--	--	--	--	--	--	--	--	--
Formation and Management of SHGs	--	--	--	--	--	--	--	--	--	--
Mobilization of social capital	--	--	--	--	--	--	--	--	--	--
Entrepreneurial development of farmers/youths	01	--	20	20	--	06	06	--	26	26
Others - Marketing trends in present day agriculture	01	--	--	--	02	05	07	02	05	07
Agro-forestry	--	--	--	--	--	--	--	--	--	--
Production technologies	--	--	--	--	--	--	--	--	--	--
Nursery management	--	--	--	--	--	--	--	--	--	--
Integrated Farming Systems	--	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--	--
TOTAL	73	521	842	1363	379	701	1080	892	1551	2443

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	01	--	--	--	21	24	45	21	24	45
Micro Irrigation/Irrigation	--	--	--	--	--	--	--	--	--	--
Seed production	--	--	--	--	--	--	--	--	--	--
Nursery management	01	05	--	05	03	--	03	08	--	08
Integrated Crop Management	03	55	--	55	26	--	26	81	--	81
Soil and Water Conservation	--	--	--	--	--	--	--	--	--	--
Integrated Nutrient Management	01	09	--	09	02	--	02	11	--	11
Production of organic inputs	01	25	--	25	--	--	--	25	--	25
Others	--	--	--	--	--	--	--	--	--	--

1	2	3	4	5	6	7	8	9	10	11
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	--	--	--	--	--	--	--	--	--	--
b) Fruits										
Training and Pruning	--	--	--	--	--	--	--	--	--	--
Layout and Management of Orchards	--	--	--	--	--	--	--	--	--	--
Cultivation of Fruit	--	--	--	--	--	--	--	--	--	--
Management of young plants/orchards	--	--	--	--	--	--	--	--	--	--
Rejuvenation of old orchards	--	--	--	--	--	--	--	--	--	--
Export potential fruits	--	--	--	--	--	--	--	--	--	--
Micro irrigation systems of orchards	--	--	--	--	--	--	--	--	--	--
Plant propagation techniques	--	--	--	--	--	--	--	--	--	--
Others - Dry land horticulture	01	16	--	16	13	--	13	29	--	29

1	2	3	4	5	6	7	8	9	10	11
c) Ornamental Plants										
Nursery Management	--	--	--	--	--	--	--	--	--	--
Management of potted plants	--	--	--	--	--	--	--	--	--	--
Export potential of ornamental plants	--	--	--	--	--	--	--	--	--	--
Propagation techniques of Ornamental Plants	--	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--	--
d) Plantation crops										
Production and Management technology	--	--	--	--	--	--	--	--	--	--
Processing and value addition	--	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--	--
e) Tuber crops										
Production and Management technology	--	--	--	--	--	--	--	--	--	--
Processing and value addition	--	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--	--
f) Spices										
Production and Management technology	--	--	--	--	--	--	--	--	--	--
Processing and value addition	--	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--	--
g) Medicinal and Aromatic Plants										
Nursery management	--	--	--	--	--	--	--	--	--	--
Production and management technology	--	--	--	--	--	--	--	--	--	--
Post harvest technology and value addition	--	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--	--

1	2	3	4	5	6	7	8	9	10	11
Soil Health and Fertility Management										
Soil fertility management	--	--	--	--	--	--	--	--	--	--
Integrated water management	--	--	--	--	--	--	--	--	--	--
Integrated nutrient management	--	--	--	--	--	--	--	--	--	--
Production and use of organic inputs	--	--	--	--	--	--	--	--	--	--
Management of Problematic soils	--	--	--	--	--	--	--	--	--	--
Micro nutrient deficiency in crops	--	--	--	--	--	--	--	--	--	--
Nutrient use efficiency	--	--	--	--	--	--	--	--	--	--
Balanced use of fertilizers	--	--	--	--	--	--	--	--	--	--
Soil and water testing	--	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--	--
Livestock Production and Management										
Dairy Management	--	--	--	--	--	--	--	--	--	--
Poultry Management	01	--	--	--	04	25	29	04	25	29
Piggery Management	--	--	--	--	--	--	--	--	--	--
Rabbit Management	--	--	--	--	--	--	--	--	--	--
Animal Nutrition Management	01	24	--	24	--	--	--	24	--	24
Animal Disease Management	--	--	--	--	--	--	--	--	--	--
Feed and Fodder technology	--	--	--	--	--	--	--	--	--	--
Production of quality animal products	--	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--	--

1	2	3	4	5	6	7	8	9	10	11
Home Science/Women empowerment										
Household food security by kitchen gardening and nutrition gardening	--	--	--	--	--	--	--	--	--	--
Design and development of low/minimum cost diet	--	--	--	--	--	--	--	--	--	--
Designing and development for high nutrient efficiency diet	--	--	--	--	--	--	--	--	--	--
Minimization of nutrient loss in processing	--	--	--	--	--	--	--	--	--	--
Processing and cooking	--	--	--	--	--	--	--	--	--	--
Gender mainstreaming through SHGs	--	--	--	--	--	--	--	--	--	--
Storage loss minimization techniques	--	--	--	--	--	--	--	--	--	--
Value addition	01	--	12	12	--	03	03	--	15	15
Women empowerment	--	--	--	--	--	--	--	--	--	--
Location specific drudgery production	--	--	--	--	--	--	--	--	--	--
Rural Crafts	--	--	--	--	--	--	--	--	--	--
Women and child care	--	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--	--

1	2	3	4	5	6	7	8	9	10	11
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	--	--	--	--	--	--	--	--	--	--
Plant Protection										
Integrated Pest Management	02	18	--	18	28	--	28	46	--	46
Integrated Disease Management	--	--	--	--	--	--	--	--	--	--
Bio-control of pests and diseases	01	17	--	17	03	--	03	20	--	20
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	--	--	--	--	--	--	--	--	--	--

1	2	3	4	5	6	7	8	9	10	11
Portable plastic carp hatchery	--	--	--	--	--	--	--	--	--	--
Pen culture of fish and prawn	--	--	--	--	--	--	--	--	--	--
Shrimp farming	--	--	--	--	--	--	--	--	--	--
Edible oyster farming	--	--	--	--	--	--	--	--	--	--
Pearl culture	--	--	--	--	--	--	--	--	--	--
Fish processing and value addition	--	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--	--
Production of Inputs at site										
Seed Production	--	--	--	--	--	--	--	--	--	--
Planting material production	--	--	--	--	--	--	--	--	--	--
Bio-agents production	--	--	--	--	--	--	--	--	--	--
Bio-pesticides production	--	--	--	--	--	--	--	--	--	--
Bio-fertilizer production	--	--	--	--	--	--	--	--	--	--
Vermi-compost production	--	--	--	--	--	--	--	--	--	--
Organic manures production	--	--	--	--	--	--	--	--	--	--
Production of fry and fingerlings	--	--	--	--	--	--	--	--	--	--
Production of Bee-colonies and wax sheets	--	--	--	--	--	--	--	--	--	--
Small tools and implements	--	--	--	--	--	--	--	--	--	--
Production of livestock feed and fodder	--	--	--	--	--	--	--	--	--	--
Production of Fish feed	--	--	--	--	--	--	--	--	--	--
Mushroom production	--	--	--	--	--	--	--	--	--	--
Apiculture	--	--	--	--	--	--	--	--	--	--
Others	--	--	--	--	--	--	--	--	--	--

1	2	3	4	5	6	7	8	9	10	11
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	14	169	12	181	100	52	152	269	49	318

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
1	2	3	4	5	6	7	8	9	10	11
Nursery Management of Horticulture crops	--	--	--	--	--	--	--	--	--	--
Training and pruning of orchards	--	--	--	--	--	--	--	--	--	--
Protected cultivation of vegetable crops	--	--	--	--	--	--	--	--	--	--
Commercial fruit production	--	--	--	--	--	--	--	--	--	--
Integrated farming	--	--	--	--	--	--	--	--	--	--
Seed production	--	--	--	--	--	--	--	--	--	--
Production of organic inputs	--	--	--	--	--	--	--	--	--	--
Planting material production	--	--	--	--	--	--	--	--	--	--
Vermi-culture	--	--	--	--	--	--	--	--	--	--
Mushroom Production	--	--	--	--	--	--	--	--	--	--
Bee-keeping	--	--	--	--	--	--	--	--	--	--
Sericulture	--	--	--	--	--	--	--	--	--	--
Repair and maintenance of farm machinery and implements	--	--	--	--	--	--	--	--	--	--
Value addition	--	--	--	--	--	--	--	--	--	--
Small scale processing	--	--	--	--	--	--	--	--	--	--
Post Harvest Technology	--	--	--	--	--	--	--	--	--	--
Tailoring and Stitching	--	--	--	--	--	--	--	--	--	--

1	2	3	4	5	6	7	8	9	10	11
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	--	--	--	--	--	--	--	--	--	--
TOTAL	--	--	--	--	--	--	--	--	--	--

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
1	2	3	4	5	6	7	8	9	10	11
Nursery Management of Horticulture crops	--	--	--	--	--	--	--	--	--	--
Training and pruning of orchards	--	--	--	--	--	--	--	--	--	--
Protected cultivation of vegetable crops	--	--	--	--	--	--	--	--	--	--
Commercial fruit production	--	--	--	--	--	--	--	--	--	--
Integrated farming	--	--	--	--	--	--	--	--	--	--
Seed production	--	--	--	--	--	--	--	--	--	--
Production of organic inputs	--	--	--	--	--	--	--	--	--	--
Planting material production	--	--	--	--	--	--	--	--	--	--
Vermi-culture	--	--	--	--	--	--	--	--	--	--
Mushroom Production	--	--	--	--	--	--	--	--	--	--
Bee-keeping	--	--	--	--	--	--	--	--	--	--
Sericulture	--	--	--	--	--	--	--	--	--	--
Repair and maintenance of farm machinery and implements	--	--	--	--	--	--	--	--	--	--
Value addition	--	--	--	--	--	--	--	--	--	--
Small scale processing	--	--	--	--	--	--	--	--	--	--
Post Harvest Technology	--	--	--	--	--	--	--	--	--	--
Tailoring and Stitching	--	--	--	--	--	--	--	--	--	--
Rural Crafts	--	--	--	--	--	--	--	--	--	--

1	2	3	4	5	6	7	8	9	10	11
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	--	--	--	--	--	--	--	--	--	--
TOTAL										

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

Area of training	No. of Courses	No. of Participants									
		General			SC/ST			Grand Total			
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
1	2	3	4	5	6	7	8	9	10	11	
Productivity enhancement in field crops	--	--	--	--	--	--	--	--	--	--	--
Integrated Pest Management	--	--	--	--	--	--	--	--	--	--	--
Integrated Nutrient management	--	--	--	--	--	--	--	--	--	--	--
Rejuvenation of old orchards	--	--	--	--	--	--	--	--	--	--	--
Protected cultivation technology	--	--	--	--	--	--	--	--	--	--	--
Production and use of organic inputs	--	--	--	--	--	--	--	--	--	--	--
Care and maintenance of farm machinery and implements	--	--	--	--	--	--	--	--	--	--	--
Gender mainstreaming through SHGs	--	--	--	--	--	--	--	--	--	--	--
Formation and Management of SHGs	--	--	--	--	--	--	--	--	--	--	--
Women and Child care	01	--	41	41	--	--	--	--	41	41	
Low cost and nutrient efficient diet designing	--	--	--	--	--	--	--	--	--	--	--
Group Dynamics and farmers organization	--	--	--	--	--	--	--	--	--	--	--
Information networking among farmers	--	--	--	--	--	--	--	--	--	--	--
Capacity building for ICT application	--	--	--	--	--	--	--	--	--	--	--

1	2	3	4	5	6	7	8	9	10	11
Management in farm animals	--	--	--	--	--	--	--	--	--	--
Livestock feed and fodder production	01	10	--	10	--	--	--	10	--	10
Household food security	--	--	--	--	--	--	--	--	--	--
Fish rearing in water harvested storage structures	03	18	--	18	06	--	06	24	--	24
Improved organic practices and pest management in mulberry	01	24	--	24	--	--	--	24	--	24
Honey bee cultivation	01	04	--	04	--	--	--	--	04	04
Total	07	56	41	97	06	--	06	58	45	103

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

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

7.G. Sponsored training programmes

S.No.	Area of training	No. of Courses	No. of Participants									
			General			SC/ST			Grand Total			
			Male	Female	Total	Male	Female	Total	Male	Female	Total	
1	2	3	4	5	6	7	8	9	10	11	12	
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	--	--	--	--	--	--	--	--	--	--	--
7	Post harvest technology and value addition	--	--	--	--	--	--	--	--	--	--	--
7.a.	Processing and value addition	--	--	--	--	--	--	--	--	--	--	--
7.b.	Others	--	--	--	--	--	--	--	--	--	--	--
8	Farm machinery	--	--	--	--	--	--	--	--	--	--	--
8.a.	Farm machinery, tools and implements	--	--	--	--	--	--	--	--	--	--	--
8.b.	Others	--	--	--	--	--	--	--	--	--	--	--
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	6	91	02	93	170	03	173	261	05	266	
10.e.	Others – Improved integrated dairy management	12	22	348	370	04	455	459	26	803	829	

1	2	3	4	5	6	7	8	9	10	11	12
11	Home Science	--	--	--	--	--	--	--	--	--	--
11.a.	Household nutritional security	--	--	--	--	--	--	--	--	--	--
11.b.	Economic empowerment of women	--	--	--	--	--	--	--	--	--	--
11.c.	Drudgery reduction of women	--	--	--	--	--	--	--	--	--	--
11.d.	Others	--	--	--	--	--	--	--	--	--	--
12	Agricultural Extension	--	--	--	--	--	--	--	--	--	--
12.a.	Capacity Building and Group Dynamics	--	--	--	--	--	--	--	--	--	--
12.b.	Others	--	--	--	--	--	--	--	--	--	--
	Total	18	113	350	463	174	458	632	287	808	1095

Details of sponsoring agencies involved

1. District Watershed Development Department, Davanagere
2. Department of Animal Husbandry and Veterinary Science, Davanagere

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	--	--	--	--	--	--	--	--	--	--	--
2	Post harvest technology and value addition											
2.a.	Value addition	--	--	--	--	--	--	--	--	--	--	--
2.b.	Others	--	--	--	--	--	--	--	--	--	--	--
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	--	--	--	--	--	--	--	--	--	--	--
4.	Income generation activities											
4.a.	Vermi-composting	--	--	--	--	--	--	--	--	--	--	--
4.b.	Production of bio-agents, bio-pesticides, bio-fertilizers etc.	--	--	--	--	--	--	--	--	--	--	--
4.c.	Repair and maintenance of farm machinery and implements	--	--	--	--	--	--	--	--	--	--	--
4.d.	Rural Crafts	--	--	--	--	--	--	--	--	--	--	--
4.e.	Seed production	--	--	--	--	--	--	--	--	--	--	--
4.f.	Sericulture	--	--	--	--	--	--	--	--	--	--	--
4.g.	Mushroom cultivation	--	--	--	--	--	--	--	--	--	--	--

4.h.	Nursery, grafting etc.	--	--	--	--	--	--	--	--	--	--
4.i.	Tailoring, stitching, embroidery, dying etc.	--	--	--	--	--	--	--	--	--	--
4.j.	Agril. Para-workers, para-vet training	--	--	--	--	--	--	--	--	--	--
4.k.	Others	--	--	--	--	--	--	--	--	--	--
5	Agricultural Extension										
5.a.	Capacity building and group dynamics	--	--	--	--	--	--	--	--	--	--
5.b.	Others	--	--	--	--	--	--	--	--	--	--
	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
1	2	3	4	5	6	7	8	9	10	11
Field Day	04	32	03	35	14	03	17	36	05	41
Kisan Mela	01	--	--	--	--	--	--	--	--	--
Kisan Ghosthi	01	40	10	50	28	03	31	--	--	--
Exhibition	--	--	--	--	--	--	--	--	--	--
Film Show	76	153	153	306	113	88	201	76	04	80
Method Demonstrations	55	178	818	996	87	162	249	71	16	87
Farmers Seminar	01	14	04	18	--	--	--	--	--	--
Workshop	01	--	--	--	--	--	--	--	--	--
Group meetings	01	--	--	--	--	--	--	06	62	68
Lectures delivered as resource persons	30	255	237	492	115	119	234	53	20	73
Newspaper coverage	126	--	--	--	--	--	--	--	--	--
Radio talks	05	--	--	--	--	--	--	--	--	--

1	2	3	4	5	6	7	8	9	10	11
TV talks	10	--	--	--	--	--	--	--	--	--
Popular articles	01	--	--	--	--	--	--	--	--	--
Extension Literature	93	228	368	596	172	449	621	47	18	65
Advisory Services	81	81	--	81	--	--	--	--	--	--
Scientific visit to farmers field	75	110	17	127	41	03	44	14	03	17
Farmers visit to KVK	214	169	13	182	47	06	53	--	04	04
Diagnostic visits	07	--	--	--	--	--	--	--	--	--
Exposure visits	01	--	--	--	--	--	--	--	--	--
Ex-trainees Sarmmelan	--	--	--	--	--	--	--	--	--	--
Soil health Camp	--	--	--	--	--	--	--	--	--	--
Animal Health Camp	01	500 animals vaccinated and dewormed, 100 animals treated, best calf selection								
Agri mobile clinic	--	--	--	--	--	--	--	--	--	--
Soil test campaigns	--	--	--	--	--	--	--	--	--	--
Farm Science Club Conveners meet	--	--	--	--	--	--	--	--	--	--
Self Help Group Conveners meetings	01	--	14	14	--	--	--	--	--	--
Mahila Mandals Conveners meetings	01	--	28	28	--	07	07	--	--	--
Celebration of important days										
World Food Day	01	09	--	09	--	--	--	35	05	40
Women in Agriculture Day	01	10	30	40	05	49	54	02	--	02
Kissan Samman Divas	01	20	30	50	06	16	22	02	--	02
National Fish Farmers Day	01	20	03	23	16	--	16	--	--	--
World Kitchen Garden Day	01	--	--	--	29	16	45	--	--	--
Parthenium Awareness Campaign	01	--	--	--	35	25	60	--	--	--
Any Other	--	--	--	--	--	--	--	--	--	--
Total	791	1319	1728	3047	708	946	1654	342	137	479

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	--	--	--	--	--	--
Oilseeds	--	--	--	--	--	--
Pulses	--	--	--	--	--	--
Commercial crops	--	--	--	--	--	--
Vegetables	--	--	--	--	--	--
Flower crops	--	--	--	--	--	--
Spices	--	--	--	--	--	--
Fodder crop seeds	Styloxanthus	Styloxanthus hemata	--	10 kg	1000/-	8 farmers
Fiber crops	--	--	--	--	--	--
Forest Species	--	--	--	--	--	--
Others	--	--	--	--	--	--
Total	--	--	--	--	--	--

9.B Production of planting materials by the KVKs

Crop category	Name of the crop	Variety	Hybrid	Number	Value (Rs.)	Number of farmers to whom provided
Commercial	--	--	--	--	--	--
Vegetable seedlings	--	--	--	--	--	--
	Drumstick	PKM-1	--	349	2094/-	20
	Tomato	USAgri-618	--	1700	680/-	01
	Chilli	Laxmi	--	450	180/-	01
	Brinjal	Kalpana	--	500	200/-	01
Fruits						
Ornamental plants	--	--	--	--	--	--
Medicinal and Aromatic	--	--	--	--	--	--
Plantation	--	--	--	--	--	--
Spices	--	--	--	--	--	--
Tuber	--	--	--	--	--	--
Fodder crop saplings	--	--	--	--	--	--
	Napier	Co-3	--	2000 cuttings	4000/-	6
	Azolla	A-Pinnata	--	10 kg	200/-	10
Forest Species	--	--	--	--	--	--
Others	--	--	--	--	--	--
	Glyricidia	Local	--	810	2400/-	03
Total						

9.C Production of Bio-Products

Bio Products	Name of the bio-product	Quantity		Value (Rs.)	Number of farmers to whom provided
		No	Kg		
Bio Fertilizers	--	--	--	--	--
Bio-pesticide	--	--	--	--	--
Bio-fungicide	--	--	--	--	--
Bio Agents	--	--	--	--	--
Others	--	--	--	--	--
Micronutrient	Banana special	--	54	8100/-	35
	Vegetable special	--	35	5250/-	28
Total					

9.D Production of livestock materials

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

PART X – PUBLICATION, SUCCESS STORY, SWTL**10. A Literature Developed/Published (with full title, author & reference)**

Item	Title	Authors name	Number
Research papers	--	--	--
Technical reports	--	--	--
News letters	Taralabalu Krishi Sinchana	Programme Coordinator	03
Technical bulletins	--	--	--
Popular articles			
	Poretray – for quality planting materials	Basavanagowda M.G. Dr. Devaraja T.N.	01
	Planting systems in Horticulture crops	Basavanagowda M.G. Dr. Devaraja T.N.	01
	Rasagobbarakke beda hahakara	Basavanagowda M.G.	01
	Krishi parivarthana sustirate	Dr. Devaraja T.N.	01
Extension literature			
	Integrated Management of Black Headed Caterpillar in Coconut	Programme Coordinator	1000
	Onion	Programme Coordinator	1000
	Integrated Pest Management in Bt Cotton	Programme Coordinator	1000
	Integrated Management of BPH in Paddy	Programme Coordinator	1000
Others	--	--	--
TOTAL	--	--	--

10.B Details of Electronic Media Produced

S. No.	Type of media (CD / VCD / DVD / Audio-Cassette)	Title of the programme	Number
1	DVD	Bt Cotton production technology	01

10.C Success Stories / Case studies : Integrated Crop Management in Cotton

India occupies 27% of total area in the world on under Cotton. Ranks first among other countries in Cotton area and second in production. Davanagere district consists of six taluks, Harapanahalli, Jagalur, Harihara, Davanagere, Channagiri and Honnali. During 1990's Cotton area under Davanagere district was 25000 ha. But in 2003-04 Cotton area was reduced to 3,131 ha due to severe pest incidence, low yield and shutdown of cotton mills. Recent trend in cotton area and production of Davanagere district is shown in table-1 and one can see a gradual increase in the same during past 3 years.

Table – 1: Cotton scenario of the district

Year	Area (ha)	Production (Bales)
2002-03	4667	4,759
2003-04	3131	3,007
2004-05	9620	13,485
2005-06	5294	3,008
2006-07	6657	7,160
2007-08	6773	43,232
2008-09	12640	1,02,110

Table – 2: Rainfall data (mm)

Month	2003	2004	2005	2006
June	21.8	46.1	70.8	74.3
July	27.1	91.1	203.6	96.0
August	99.5	84.4	117.8	33.6
September	10.5	208.4	107.4	76.4
October	150.2	112.0	132.4	28.2
November	--	--	38.4	55.6

Taralabalu Krishi Vigyan Kendra came into existence during May 2005-06. Under Mini Mission of Cotton project our KVK had taken 50 acre demonstration in Bt cotton. Based on the survey and discussion with line departments, **we selected** Budihal, Nandikamba and Anajigere villages of Harapanahalli taluk for demonstration. Rainfall data in the selected area was found to be optimum for cotton production although erratic during some part of the years (Table-2).

Farmers and scientists interacted with brain storming session in the villages for Bt-cotton introduction. Farmers were of the opinion that Cotton is a waste crop, requires more pesticides and inturn increased cost of production. They also added that ten years back cotton area was more than 500 acres in their village and now it is hardly 5-10 acres in each village.

We were able to convince the farmers and selected 50 farmers for demonstration during 2006-07. First step after selection was the collection of **soil samples** from each demo plot and analyzed for nutrient status. Based on the soil test report, fertilizers were applied. KVK had conducted On campus and Off campus training programmes on improved Cotton production technology. We also introduced growth regulator (Planofix), MgSO₄ and pheromone traps in the package of the technologies. During that year, senior scientists from **Zonal Project Directorate –Zone VIII** and **Board members of Taralabalu Rural Development Foundation, Sirigere** visited the **Front Line Demonstration plots**.

Farmers expressed that, who have grown maize suffered huge losses due to low rainfall at critical stages of crop growth during August and September 2006. Farmers were able to harvest only 15 q/ha against 60 q/ha with maize. On the other hand the farmers who had grown cotton under our FLD with Bt cotton technology did harvest 9 q/ha. The net income of the maize farmers was very low compared to the cotton grown farmer (Table-3).

Table – 3: Yield and income

Crop	Yield (q/ha)	Cost of cultivation (Rs/ha)	Gross returns (Rs/ha)	Net returns (Rs/ha)	B:C ratio
Bt Cotton	9	16,125	25,200	9,075	0.56
Maize	15	7,500	9,000	1,500	0.20

Note: Sale price: Rs. 2500-00/q (Cotton), Rs.600-00/q (Maize)

During the year 2007-08 farmers themselves came forward for cotton production. Then, we repeated the FLD with different farmers in the same villages. Now the cotton area has increased to >500 ha in and around Anajigere panchayath villages because of our KVK intervention during the **field visit** (Table-4).

**Table-4 : A survey conducted in Budihal/
Anajigere villages regarding Cotton area**

Year	Area
2003-04	150 ha
2004-05	10 ha
2005-06	20 ha
2006-07	30 ha
2007-08	250 ha
2008-09	>500 ha

**Table-5: A market survey conducted in Davanagere
regarding sales of Bt Cotton seeds**

Year	No. of packets
2005	3,800
2006	40,000
2007	50,000
2008	83,000

During the year 2008-09, cotton area in the district was found to be 15000 ha and it is replacing the maize and sunflower in some taluks as observed in the data collected by the Department of Agriculture. We have surveyed the market sale of Bt cotton seeds (Table-5) and by looking at this data we can clearly say that area is catching up in the district as a whole.

Turning point in our intervention was **Farmer Field School** in the Bt cotton production (ICM) which fine tuned the understanding of Bt technology in cotton by farmers during 2008-09.

KVK had conducted Farmers Field School in Bt Cotton during 2008-09 at Budihal involving 30 farmers on ICM v/s Non ICM in Bt cotton. It was a huge success and collaborator farmer is now the leader in cotton technology for the village.

During 2009-10 cotton has replaced sunflower to a substantial extent in Harapanahalli and Jagalur taluk. Farmers are convinced with the technology and now they have become experts in utilizing the same for their benefit through KVK technologies.

The farmers are now able to talk about technology in Bt cotton and now they are ready to practice it without our presence. This new practice fetching higher yield and higher income with reduced cost of production for the farmers.

During **field day** conducted in the year 2007-08, Mr. Nagaraj a farmer from Budihal had expressed that he had harvested 60 q of cotton in 3 acres and claims that he has cleared the Bank loans and leading his life happily after our KVK's intervention in Bt technology. Another farmer, Mr. Kenchappa of Anajigere harvested 48 q of cotton in 2.5 acre land by giving protective irrigation at critical stages.

Conclusion : Bt cotton technology introduced in our KVK has certainly brought smile on the faces of farmers and success of these farmers has impacted their friends and relatives to go in for cotton production. As long as Bt cotton seeds are supplied in time and with Government subsidy regaining its earlier name in cotton production is not an impossible dream for Davanagere district, given the story technical backup of our KVK.

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

- **Common Interest Groups (CIGs) :** Four villages have been identified and **family surveys** have been conducted to analyze the current status of affairs as far as agriculture is concerned. Based on the data collected and analyzed, few CIGs per village depending on a crops or enterprise are being created to facilitate better agricultural practices. Results of these CIGs and their performance will be presented next year.
- **Agri camps (6 Nos.) :** Taralabalu Krishi Vigyan Kendra is conducting Agri camps in the villages of the district through farmer – scientist interaction. During camp, scientists have made field visit to the problematic plots and gave the solutions on spot, conducted trainings and mainly focused towards soil health, fertilizer calculation based on soil test application to the crops. Through this agri camp we are gathering all the farmers together and make the farmers to take more interest in the farming activity and avoid the migration of rural youths towards the town.
- **FFS :** Paddy is a major crop of the district and farmers are facing lot of problems regarding fertilizer and pest management. So Farmers Field School is a best tool to gather the farmers together from sowing to harvest in Paddy at Halebisleri of Davanagere taluk.
- **Radio talks (05 Nos.) :** Taralabalu Krishi Vigyan Kendra Subject Matter Specialists (SMSs) gave radio talks on the problems prevailing in the district. Through this we have reached large number of farmers in a short span of time.
- **Television programmes (10 Nos.) :** The technical interventions for burning problems of the major crops are disseminated through TV shows by the scientists. So these technologies will be tried by the large number of farmers in the district and other areas.

10.E Details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1	Plant protection	- Use of lemon and shampoo in spraying - Use of buttermilk and <i>Acassia spp.</i> trees gum for spraying	<ul style="list-style-type: none"> • Shampoo helps in better spreading of spray solution • Lemon helps in neutralizing the pH of water • To control pests in vegetable crops
2	Pulses	Mixing of dry neem leaves with pulses	<ul style="list-style-type: none"> • Neem leaves act as repelling agent for insects.

S. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
3	Nutrient management	Use of 'Dashaparna' mixture	<ul style="list-style-type: none"> To mitigate nutrient deficiency in any crop, some of our farmers are preparing decoction of 10 different plant leaves and spraying once in a month.
4	Fisheries	Use of wooden blocks, big stone blocks and thorns in fish pond Erect waste netting material around the pond bund	<ul style="list-style-type: none"> To curtail poaching in fish culture ponds broken wooden pieces can be planted in the middle of the pond emerging on the surface. Big stone blocks and thorns to avoid easy dragging of pond bottom. To avoid the entry of snakes, birds, frogs and other predators

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

Identification of courses for farmers/farm women	Linkages with line departments, field visits, group discussion, agri camps, diagnostic surveys, family survey
Rural Youth	Field visits, diagnostics survey, group discussion
Inservice personnel	Through line department and direct contact

10.G Field activities

- i. Number of villages adopted - 19
 ii. No. of farm families selected - 34
 iii. No. of survey/PRA conducted - 06 (Obalapura, Uchangidurga camp, Kaidale camp, Obannanahalli, Halebisleri, Hosapalya)

10.H Activities of Soil and Water Testing Laboratory : To be established

- 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	--	--	--

Details of samples analyzed so far since establishment of SWTL including during 2008-09 :

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

Details of samples analyzed during 2008-09 :

Details	No. of Samples analyzed	No. of Farmers benefited	No. of Villages	Amount realized (Rs.)
Soil samples	227	227	143	28350/-
Water samples	113	113	96	5650/-
Plant samples	--	--	--	--
Total	340	340	239	34000/-

PART XII IMPACT

11.A Impact of KVK activities

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

11.B Cases of large scale adoption - NIL

11.C Details of impact analysis of KVK activities carried out during the reporting period***A study on Impact of training programme on “Production of Vermicompost and its importance in Agriculture”*****Introduction and Methodology:**

A study was conducted to analyze the *impact of training* among the farmers of Kurki village of Davanagere taluk. The village has 1000 families with majority of land being irrigated. The major crops of the village were Paddy, Maize, Jowar, Sugarcane, Arecanut, Coconut and Banana. Farmers are using fertilizers to grow crops and only few farmers are using farm yard manure (FYM) based on the availability. There exist major scope for vermicompost production in this village, considering crops grown and the availability of biomass (agricultural waste for the production of vermicompost viz. paddy straw and husk, sugarcane trash, Arecanut and Coconut leaves etc.) with this background, Taralabalu Krishi Vigyan Kendra has taken up training programmes on ‘Production of vermicompost and its importance in Agriculture’ during the year 2005 and 2006. 45 potential farmers from the village were randomly selected and were trained to impart necessary skill in production of vermicompost. Present study was taken up in August 2009 after three years of training to analyze the impact of training on “*Production of vermicompost and its importance in Agriculture*”.

Training title	Date	No. of farmers
Production of vermicompost and its importance in agriculture	19-09-2005 and 23-01-2006	45

The study was conducted using structured schedule and 45 farmers were asked to answer the questions. The data collected was analyzed and the results were tabulated using percentage and numbers.

Results and Discussion:

The results of the study were tabulated and presented in number and percent basis

Table-I: Knowledge of farmers in production of vermicompost before the training
(n=45)

Yes		No	
Numbers	Percentage (%)	Numbers	Percentage (%)
01	2	44	98

Table-II: No. of farmers who felt the training was useful

(n=45)

Useful		Not useful	
Numbers	Percentage (%)	Numbers	Percentage (%)
45	100	0	0

Table-III: Number of farmers adopted the technology

(n=45)

Adopted		Adopted and discontinued		Not adopted	
Numbers	Percentage (%)	Numbers	Percentage (%)	Numbers	Percentage (%)
06	13	13	29	26	58

Majority (98%) of the farmers said that they don't have knowledge of vermicompost production prior to the training programme Table-I.

Table-II reveals that cent percent farmers felt that the training programme was useful, but still yet only (Table-III) 13% adopted the technology and 29% of the farmers have been discontinued after adopting the technology. The reasons quoted by these farmers are lack of labour, support and motivation, follow-up and water problem in summer. Majority of the farmers (58%) have not adopted the technology at

all, reasons for this are no place for construction of vermicompost unit around their homes, water facilities, labour problem (High cost of labour), lack of motivation and absence of cows and buffalos.

Summary:

Although cent percent of the farmers felt that training on 'Production of vermicompost and its importance in agriculture' was useful majority of farmers have find it difficult to adopt the technology. Repeated follow up visits and subsidized support to the farmers for sustained production will definitely help discontinued and non-adopters to adopt the technology. In this background Taralabalu Krishi Vigyan Kendra has planned to conduct Ex-trainees training programme on 'Production of vermicompost and its importance in agriculture' to farmers of Kurki village.

Annexure VII:-----Structured interview schedule

PART XII – LINKAGES**12.A Functional linkage with different organizations**

Name of organization	Nature of linkage
Department of Animal Husbandry and Veterinary Science, Davanagere	Trainings, animal health camp, Input for FLD
Department of Agriculture, Davanagere	Trainings to the farmers, field visits, diagnostic field visits, bi-monthly meetings and agriculture surveys
Department of Horticulture, Davanagere	Trainings to the farmer, field visits, diagnostic field visit
Department of District Watershed Development, Davanagere	Trainings
Department of fisheries, Davanagere	Trainings to the farmer, field visits
Department of forestry, Davanagere	Supply of forest seedlings
Department of Women and Child Welfare Department, Davanagere	Trainings to the SHGs and Anganawadi workers
Karnataka state seed corporation	Supply of seed materials for FLDs
Department of social welfare.	Programme participation
District statistical information centre	Collection of basic information of the district
KRVP, Bangalore	Environmental awareness campaign
Canara Bank, State Bank Of India, Shiva Sahakari Bank	SHGs A/c and KVK A/c
Karnataka oilseeds federation.	Supply of seed material for FLDs and trainings to the farmers
University of Agricultural Sciences, Bangalore and Dharwad	Technology transfer, knowledge update and bi-monthly meetings
Indian Institute of Horticulture Research, Bangalore	Trainings, supply of seed materials and technical support

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.)
Karnataka Rajya Vigyan Parishath (KRVP)	15 th December, 2008 (Project completed)	KRVP, Bangalore	7,000-00
“Establishment of Rural Bio Resource Complex for Sustainable Rural Livelihood Security Through Bio-technological Approaches in Davanagere district of Central Karnataka”	1 st April, 2009 (On going)	Department of Biotechnology, New Delhi	26.684 lakhs

12.C Details of linkage with ATMAIs ATMA implemented in your district – **Yes**

S. No.	Programme	Nature of linkage	Remarks
1	Training and technical advisory service	Conducting training for farmers and extension functionaries	To be initiated by Department of Agriculture

12. D Give details of programmes implemented under National Horticultural Mission – Not Applicable

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
1	Training	Conducted 2 training programme during 2007-08	2 training programmes have been completed

PART XIII- PERFORMANCE OF INFRASTRUCTURE IN KVK**13.A Performance of demonstration units (other than instructional farm)**

Sl. No.	Demo Unit	Year of establishment	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Produce	Qty.	Cost of inputs (Rs.)	Gross income (Rs.)	
1	Vermicompost unit	2008	1 gunta	<i>Eudrulus eurginia</i>	Vermicompost	4.7 tons	20116/-	23500/-	--
		2008	0.1 gunta		Earthworms	5 kg			
		2008	0.1 gunta	<i>Edrulas unidentified species (Lignin & pectin decomposing worms)</i>	Vermicompost	1.04 tons	3500/-	5225/-	
					Earthworms	1 kg			
2	Dairy demo unit	July-2009	2 cow	HFX	Milk	20 l/day	160/day	250/day	No. of milch animals need to be increased
3	Fodder	2008	0.5 AC	Co-3 Napier	Fodder slips	20000 cuttings	2000/-	4000/-	A part of planting fodder is used for animal feeding in dairy unit
4	Azolla	2008	4 ¹ x 15 ¹	A-Pinnata	Azolla	1 kg daily	5/day	20/day	Used for animal feeding and for sale to farmers

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									
Sugarcane	30-05-2008	30-06-2009	2	COVC-2003-165	Sugarcane	23000	100000/-	243644/-	--
Maize	02-06-2008	15-10-2008	3		Grain	780	70600/-	144600/-	--
Paddy	15-01-2008	25-04-2008	0.5	Nallur Sona	Seeds	38	25000/-	45600/-	--
Ragi	08-07-2008	10-11-2008	0.5	GPU-28	Seeds	8	3000/-	4800/-	--
Pulses									
Redgram	06-06-2008	12-12-008	9	TTB-7	Grain	8	3000/-	8000/-	--
Oilseeds									
--	--	--	--	--	--	--	--	--	--
Fibers									
--	--	--	--	--	--	--	--	--	--
Spices & Plantation crops									
--	--	--	--	--	--	--	--	--	--
Floriculture									
--	--	--	--	--	--	--	--	--	--
Fruits									
--	--	--	--	--	--	--	--	--	--
Vegetables									
Brinjal	06-06-2008	15-08-2008	0.5		Vegetables	50	16000/-	25000/-	--
Tomato	08-06-2008	15-08-2008	0.5		Vegetables	60	26000/-	30000/-	--
Okra	10-06-2008	15-08-2008	0.5		Vegetables	10	8000/-	10000/-	--
Others (specify)									
Cotton	28-05-2008	10-12-2008	0.5	MRC-6918	Cotton	8	10000/-	20000/-	--

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	
--	--	--	--	--	--
--	--	--	--	--	--

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1	Ornamental fishes	Gambusia Guppy	Fish fingerlings	248	--	1240	Sold to general public
2	Fish culture demo pond	Indian major carps and Chinese carps	Grow out fish	51 kg	--	1540	Sold to local market

13.E Utilization of hostel facilitiesAccommodation available (No. of beds) – **36 beds**

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall
October 2008	--	--	--
November 2008	--	--	--
December 2008	--	--	--
January 2009	--	--	--
February 2009	--	--	--
March 2009	--	--	--
April 2009	--	--	--
May 2009	--	--	--
June 2009	206	08	--
July 2009	150	07	--
August 2009	231	14	--
September 2009	30	01	--

13.F Database management

Database creation (in training) is under progress.

S. No	Database target	Database created
--	--	--

13.G Details on Rain Water Harvesting structure and micro-irrigation system: Not applicable

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 Demonstrations	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	Canara Bank	Vidyanagara Davanagere -04	1813	Taralabalu Rural Development Foundation	10143	Yet the branch to get	CNRB 0001813
With KVK	State Bank of India	P.J.Extension Davanagere-02	5624	Taralabalu Krishi Vigyan Kendra	30166599498	577002002	SBIN 0005624
	Canara Bank	Vidyanagara Davanagere -04	1813	Taralabalu Krishi Vigyan Kendra (Salary)	10144	Yet the branch to get	CNRB 0001813
	Canara Bank	Vidyanagara Davanagere -04	1813	Taralabalu Krishi Vigyan Kendra (Salary)	10145	Yet the branch to get	CNRB 0001813

14.B Utilization of funds under FLD on Oilseed (Rs. In Lakh)

Opening Balance as on 1.4.2008					Rs.	28700
Items	Released by ICAR		Expenditure		Unspent Balance as on 31.3.09	
	Kharif 2008	Rabi 2008-09	Kharif 2008	Rabi 2008-09		
Inputs	10780	0	34762	5000	-28982	
Extension Activities	500	0	5000	2500	-7000	
TA/DA/POL	7500	0	7500	3749	-3749	
Total	18780	0	47262	11249	-39731	
Closing Balance as on 31.3.2009					Rs.	-11031

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

Opening Balance as on 1.4.2008					Rs.	-8113
Items	Released by ICAR		Expenditure		Unspent Balance as on 31.3.09	
	Kharif 2008	Rabi 2008-09	Kharif 2008	Rabi 2008-09		
Inputs	21039	23294	32736	52390	-40793	
Extension Activities	3780	0	5000	7500	-8720	
TA/DA/POL	7500	0	7500	10619	-10619	
Total	32319	23294	45236	70509	-60132	
Closing Balance as on 31.3.2009					Rs.	-68245

14.D Utilization of funds under FLD on Cotton (Rs. In Lakh)

Opening Balance as on 1.4.2008					Rs.	3023
Items	Released by ICAR		Expenditure		Unspent Balance as on 31.3.09	
	Kharif 2008	Rabi 2008-09	Kharif 2008	Rabi 2008-09		
Cotton : 50 Acres						
Essential Inputs @ Rs.1400 Per Demon. Per Acre		66753		69357	-2604	
POL/Veh. Hiring / Meals / Printed Materials, etc. @ Rs.600/Acre		29855		29998	-143	
Total	0	96608	0	99355	-2747	
Closing Balance as on 31.3.2009					Rs.	276
Utilization of Funds under FLD on Cotton [Farm Implements]						
Opening Balance as on 1.4.2008					Rs.	600
Items	Released by ICAR		Expenditure		Unspent Balance as on 31.3.09	
	Kharif 2008	Rabi 2008-09	Kharif 2008	Rabi 2008-09		
Purchase of New Equip.s		9400		1000	8400	
Contingency for Demon. Of already provided equipments		0		0	0	
Total	0	9400	0	1000	8400	
Closing Balance as on 31.3.2009					Rs.	9000

14.E Utilization of KVK funds during the year 2008-09 and 2009-10 (upto August 2009) (year-wise separately) (current year and previous year) (Rs. In lakh)

14.E(a)		Utilization of KVK Funds During the Year 2008-09 [Rupees in Lakhs] :			
Opening Balance as on 01.04.2008					7.05
Sl.	No.	Particulars	Sanctioned	Released	Expenditure
A	Recurring Items :				
1		Pay & Allowance	28.00	20.96	29.05
2		Travelling Allowances	1.00	1.00	1.00
3		Contingencies :	7.00	7.00	6.28
	<i>i</i>	<i>Office Contingency</i>	<i>2.10</i>	<i>2.10</i>	<i>2.10</i>
	<i>ii</i>	<i>POL/Repair of Vehicles</i>	<i>1.10</i>	<i>1.10</i>	<i>1.10</i>
	<i>iii</i>	<i>Stipend / Meals for Trainees</i>	<i>0.90</i>	<i>0.90</i>	<i>0.57</i>
	<i>iv</i>	<i>Teaching / Demonstration Materials</i>	<i>0.80</i>	<i>0.80</i>	<i>0.80</i>
	<i>v</i>	<i>FLD (Other than Oilseeds & Pulses)</i>	<i>1.00</i>	<i>1.00</i>	<i>0.89</i>
	<i>vi</i>	<i>OFT</i>	<i>0.60</i>	<i>0.60</i>	<i>0.51</i>
	<i>vii</i>	<i>Training to Extension Functionaries</i>	<i>0.20</i>	<i>0.20</i>	<i>0.05</i>
	<i>viii</i>	<i>Maintenance of Library</i>	<i>0.10</i>	<i>0.10</i>	<i>0.09</i>
	<i>ix</i>	<i>Est. of Soil, Plant & Water Testing Lab.</i>			
	<i>X</i>	<i>Farmers Field School</i>	<i>0.20</i>	<i>0.20</i>	<i>0.17</i>
		Total – ‘A’	36.00	28.96	36.33
B	Non Recurring Items :				
1		Works	0.00	0.00	0.00
2		Equipments – Fax Machine	0.15	0.15	0.15
3		Vehicles – Two Wheeler	0.50	0.50	0.48
4		Library	0.00	0.00	0.00
		Total – ‘B’	0.65	0.65	0.63
		TOTAL (A + B)	36.65	29.61	36.96
Closing Balance as on 31.12.2009					-0.30

14.E(b)		Utilization of KVK Funds During 2009-10 (Upto Aug. 09) [Rupees in Lakhs] :			
Opening Balance as on 01.04.2009					-0.30
Sl.	No.	Particulars	Sanctioned	Released	Expenditure
A	Recurring Items :				
1		Pay & Allowance	33.00	15.88	11.10
2		Travelling Allowances	1.00	0.49	0.82
3		Contingencies :	8.00	3.88	3.33
	<i>i</i>	<i>Office Contingency</i>	<i>1.60</i>	<i>0.78</i>	<i>1.16</i>
	<i>ii</i>	<i>POL/Repair of Vehicles</i>	<i>1.25</i>	<i>0.60</i>	<i>0.69</i>
	<i>iii</i>	<i>Stipend / Meals for Trainees</i>	<i>1.05</i>	<i>0.50</i>	<i>0.18</i>
	<i>iv</i>	<i>Teaching / Demonstration Materials</i>	<i>0.65</i>	<i>0.32</i>	<i>0.36</i>
	<i>v</i>	<i>FLD (Other than Oilseeds & Pulses)</i>	<i>2.20</i>	<i>1.07</i>	<i>0.64</i>
	<i>vi</i>	<i>OFT</i>	<i>0.50</i>	<i>0.24</i>	<i>0.11</i>
	<i>vii</i>	<i>Training to Extension Functionaries</i>	<i>0.10</i>	<i>0.05</i>	<i>0.04</i>
	<i>viii</i>	<i>Maintenance of Library</i>	<i>0.10</i>	<i>0.05</i>	<i>0.05</i>
	<i>ix</i>	<i>Extension Activities</i>	<i>0.30</i>	<i>0.15</i>	<i>0.06</i>
	<i>x</i>	<i>Farmers Field School</i>	<i>0.25</i>	<i>0.12</i>	<i>0.04</i>
		Total – ‘A’	42.00	20.25	15.25
B	Non Recurring Items :				
1		Works	0.00	0.00	0.00
2		Equipments – Fax Machine	0.00	0.00	0.00
3		Vehicles – Two Wheeler	0.00	0.00	0.00
4		Library	0.00	0.00	0.00
		Total – ‘B’	0.00	0.00	0
		TOTAL (A + B)	42.00	20.25	15.25
Closing Balance as on 31.08.2009					4.70

14.F		Utilization of KVK Funds during the Year 2007-08 (Previous Year) [Rupees] :		
Opening Balance as on 01.04.2007				81336
Sl. No.	Particulars	Sanctioned	Released	Expenditure
A	Recurring Items :			
1	Pay & Allowance	3000000	2918665	2369343
2	Travelling Allowances	100000	100000	99810
3	Contingencies :	700000	700000	626302
i	Office Contingency	217000	217000	216999
ii	POL/Repair of Vehicles	140000	140000	139996
iii	Stipend / Meals for Trainees	91000	91000	84722
iv	Teaching / Demonstration Materials	84000	84000	78845
v	FLD (Other than Oilseeds & Pulses)	88000	88000	66899
vi	OFT	42000	42000	27330
vii	Training to Extension Functionaries	28000	28000	3360
viii	Maintenance of Buildings			
ix	Est. of Soil, Plant & Water Testing Lab.			
X	Maintenance of Library	10000	10000	8151
	Total – ‘A’	3800000	3718665	3095455
B	Non Recurring Items :			
1	Works	2776000	2776000	2776000
i	Administrative Building	1613000	1613000	1613000
ii	Farmers Hostel	242000	242000	242000
iii	Staff Quarters	921000	921000	921000
2	Office Furniture	500000	500000	500000
3	Establishment of Library			
	Total – ‘B’	3276000	3276000	3276000
	TOTAL (A + B)	7076000	6994665	6371455
Closing Balance as on 31.03.2008				704546

14.F Status of revolving fund (Rs. In lakh) for the three years

Year	Opening Balance as on 1.04.2004	Income During the Year	Expenditure During the Year	Net Balance in Hand as on 1st April of each Year
April 2004 To March 2005	0.000	1.000	0.000	1.000
April 2005 To March 2006	1.000	0.008	0.681	0.327
April 2006 To March 2007	0.327	2.203	1.977	0.553
April 2007 To March 2008	0.553	6.142	6.277	0.418
April 2008 To March 2009	0.418	3.075	2.843	0.650

15. Farmers Field School: FFS in ICM of Cotton

Introduction: Farmers Field School (FFS) is one of the established participatory methods of effective learning. FFS was considered as an effective and comprehensive non-formal educational method to teach and technically empower the adult farmers and farm women.

FFS mainly include three categories of actors and they are

- a) **FFS participants :** Farmers selected by the villagers.
- b) **Collaborator :** Is a farmer or farm women who gives the land for conducting field studies.
- c) **Facilitator :** Technically competent person to lead the members through the hands on exercise.

KVK is conducting FFS on Integrated Crop Management in Cotton.

Crop : Cotton

Technology : Integrated Crop Management in Cotton

Demonstration : 1.0 acre

Farmer's practice: 1.0 acre

Collaborator : Mr. Naganna

Participants : 25 No.

Facilitator : Scientist

Place : Budihal, Harapanahalli (Tq)

Number and details of activities:

Sl. No.	Date	Activities	No. of participants
1	29-05-08	<ul style="list-style-type: none"> • Selection of farmers, facilitator and crop. • Importance of FFS • Critical inputs rules and regulation of FFS 	25
2	05-06-08	<ul style="list-style-type: none"> • Agro Ecological Situation • Seed treatment against sucking pest • Planting method, spacing • Importance of soil testing and fertilizer application. 	25
3	21-07-08	<ul style="list-style-type: none"> • Agro Ecological Situation • Pheromone trap installation • Sucking pest identification and nature of damage 	23
4	21-08-08	<ul style="list-style-type: none"> • Agro Ecological Situation • Use of micronutrient and demonstration on the farmers field • Identification of disease and pest symptoms • Use of Planofix (Growth regulator) 	20
5	18-09-08	<ul style="list-style-type: none"> • Agro Ecological Situation • Exposure visit to KVK Cotton field 	20
6	20-10-2009	<ul style="list-style-type: none"> • Agro Ecological Situation • Training on integrated management of helicoverpa after 100 days 	20
7	19-11-2009	<ul style="list-style-type: none"> • Farmers view on Farm Field School during field day 	23

Salient findings

- Application of recommended dose of fertilizer resulted in maximum yield.
- Wider rows spacing (120 cm X 120 cm) and trap crop is advantageous over close spacing (60 cm X 60 cm).
- Weed management specially at 20, 40 and 60 days after sowing is essential.
- Power weeder can be used effectively for weed management in Bt. Cotton.
- Complete knowledge on Bt. Cotton regarding incidence of pest was cleared to the farmers.
- Use of growth regulator (Planofix- 6 ml / 15 lt. of water) as played key role in reducing flower drop.

Result:

Technology	Yield (qt./ha.)	Cost of Cultivation (Rs.)	Gross return (Rs.)	Net return (Rs.)	Benefit Cost ratio
ICM (MRC-6918)	17.9	16,850	44,750	27,900	2.65
Non ICM (MRC-6918)	12.3	17,700	30,825	13,125	1.74

Budget:

Particulars	Amount (Rs.)
Sanctioned	20,000
Expenditure	16,922
Balance	3078

16. Collaborative Front Line Demonstration :

Collaborative agency : Agricultural Research Station, Nagenahalli, UAS (B).

Crop	Name of the technology demonstrated	Hybrid	Farming situation	No. of Demo.	Area (ha)
Cereals					
Maize	Popularization of hybrid maize	NAH-2049	Rainfed /Irrigated	08	3.2

Crop	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													
Maize	87.5	70.0	78.75	59.8	31	18000/-	55125/-	37125/-	3.0	18100/-	42000/-	23900/-	2.32

Annexure – I

TV programme Telecasted

Sl. No.	Date	Topic	Programme	Channel	Resource person
1	04-11-2008	Improved production technology in Maize (NAH-2049)	Krishi Darshana	Chandana	Mallikarjuna B.O.
2	09-11-2008	Vermicomposting	Annadata	E-TV Kannada	Mallikarjuna B.O.
3	30-01-2009	Use of Banana special in Banana to tackle micronutrient deficiency	Annadata	E-TV Kannada	Basavanagowda M.G.
4	01-08-2009	Fertilizer management in Bt Cotton	Annadata	E-TV Kannada	Mallikarjuna B.O.
5	03-08-2009	Production technology in Maize under late sown condition	Annadata	E-TV Kannada	Mallikarjuna B.O.
6	04-08-2009	Azolla production and its nutritive value in milch animals	Annadata	E-TV Kannada	Dr. Jayadevappa G.K.
7	09-08-2009	Sucking pest management in Bt Cotton	Annadata	E-TV Kannada	Prasanna Kumara N.
8	11-08-2009	Symptoms and management of leaf spot in Pacchabale	Annadata	E-TV Kannada	Prasanna Kumara N.
9	15-08-2009	Management of Anaberoga in Arecanut	Annadata	E-TV Kannada	Basavanagowda M.G.
10	15-08-2009	Symptoms of Anabe roga in Arecanut	Annadata	E-TV Kannada	Prasanna Kumara N.
11	15-08-2009	Balanced feeding in dairy animals	Annadata	E-TV Kannada	Dr. Jayadevappa G.K.
12	17-08-2009	Maintainance of cattle shed and scientific housing of dairy animals	Annadata	E-TV Kannada	Dr. Jayadevappa G.K.
13	20-08-2009	Characteristics of Kankrej breed of cattle	Annadata	E-TV Kannada	Dr. Jayadevappa G.K.
14	25-08-2009	Manuring in Banana	Annadata	E-TV Kannada	Basavanagowda M.G.
15	25-08-2009	Top dressing and fertilizer management in Cotton	Annadata	E-TV Kannada	Mallikarjuna B.O.

Annexure – II**Radio talks**

Sl.No.	Date	Topic	Programme	Venu	Resource person
1	08-09-2008	Dryland Horticulture	Krishiranga	AIR, Bhadravathi	Basavanagowda M.G.
2	10-09-2008	Vermicomposting	Krishiranga	AIR, Bhadravathi	Mallikarjuna B.O.
3	28-11-2008	Fish seed production and rearing	Krishiranga	AIR, Bhadravathi	Dr. Devaraja T.N.
4	12-05-2009	Live stock insurance	Krishiranga	AIR, Bhadravathi	Dr. Jayadevappa G.K.
5	24-05-2009	Fresh water prawn culture	Krishiranga	AIR, Bhadravathi	Dr. Devaraja T.N.
6	06-07-2009	Production technology of soybean	Krishiranga	AIR, Bhadravathi	Mallikarjuna B.O.

Annexure – III**Guest lecture delivered**

Sl. No.	Date	Topic	Collaboration authority	Programme	Place	Resource person
1	2	3	4	5	6	7
1	15-10-2008	NSS Programme at Muthugadur	Lingaiiah residential pre university	Awareness camp	Muthugadur	Dr. Pradeep H.M.
2	24-10-2008	Soil and water conservation	DATC, Kadajji	Training	Kadajji	Dr. Pradeep H.M.
3	04-12-2008	IPM in Cotton	Dept. of Agriculture Honnali	Training	Doddenahalli	Prasanna Kumara N.
4	19-12-2008	Appropriate use of fertilizers	UBDT, College, Davanagere	Training	Thirthameshwara, Honnali (tq)	Dr. Pradeep H.M. Mallikarjuna B.O.
5	20-12-2008	Use of bio-fertilizers in agriculture	UBDT, College, Davanagere	Training	Thirthameshwara, Honnali (tq)	Dr. Pradeep H.M.

1	2	3	4	5	6	7
6	09-01-2009	Vermicomposting	SHIMUL, Davanagere	Training	Echagatta	Dr. Pradeep H.M.
7	16-01-2009	Soil sampling; Importance of soil and reclamation of problematic soils	DATC, Kadajji	Training	Kadajji	Dr. Pradeep H.M.
8	27-01-2009	Aquaculture economics (for NFDB trainees)	KVK, Navile	Training	KVK, Shivamoga	Dr. Devaraja T.N.
9	14-02-2009	Pest and disease control measures in agriculture and horticulture crops	DATC, Kadajji	Training	Kadajji	Prasanna Kumara N.
10	17-02-2009	Safer use of pesticides and method of spray solution preparation	DATC, Kadajji	Awareness camp	Kadajji	Prasanna Kumara N.
11	18-02-2009	Safer use of pesticides and method of spray solution preparation	DATC, Kadajji	Training	Kadajji	Prasanna Kumara N.
12	18-02-2009	'Water management and weed management in Paddy' for the dealers, sub dealers, field assistants of fertilizer division of Davanagere.	Zuari fertilizers, Davanagere	Awareness camp	Davanagere	Mallikarjuna B.O.
13	18-02-2009	Present day agricultural problems and their management	NSS camp	Awareness	Hiriyur, Holalkere (Tq)	Raghuraja J
14	18-02-2009	Role of fertilizers in agriculture at Zuari dealers , Davanagere	Zuari fertilizers, Davanagere	Awareness camp	Davanagere	Dr. Pradeep H.M.
15	27-02-2009	Soil and water conservation	DATC, Kadajji	Training	Kadajji	Dr. Pradeep H.M.
16	27-02-2009	Pest and disease control measures in agriculture and horticulture crops	DATC, Kadajji	Training	Kadajji	Prasanna Kumara N.
17	19-03-2009	Improved production technology, nutrient and pest management in Coconut	Department of Horticulture	Awareness camp	Erebudihal	Basavanagowda M.G. Dr. Pradeep H.M Prasannakumara N.
18	20-03-2009				Alur	
19	24-03-2009				Bilchodu	
20	21-03-2009	Fish culture as an enterprise in rainfed area	UAS, Dharwad	Training	Taralabalu KVK, Davanagere	Dr. Devaraja T.N.

1	2	3	4	5	6	7
21	21-03-2009	Rural Entrepreneurship development programme – Value addition and introduction of agro based enterprises for rural folk	UAS, Dharwad	Training	Taralabalu KVK, Davanagere	Kavitha P.
22	24-03-2009	Rural Entrepreneurship development programme – Value addition and introduction of agro based enterprises for rural folk	UAS, Dharwad	Training	Taralabalu KVK, Davanagere	Kavitha P.
23	24-03-2009	Fish culture as an enterprise in rainfed area	UAS, Dharwad	Training	Taralabalu KVK, Davanagere	Dr. Devaraja T.N.
24	26-03-2009	Alleviation of agriculture crisis in KVK perspective	Dept. of Economics	Training	PG Center Tholahunase	Dr. Devaraja T.N.
25	03-04-2009	Importance of Maize nutrients in daily diet – Production and utilization of Maize value added products	DATC, Kadajji	Training	Kadajji	Kavitha P.
26	08-04-2009	Importance of soil in agriculture and its conservation citizenship training	Makanur Malleshappa university, Davanagere	Training	Sirigere	Dr. Pradeep H.M.
27	12-05-2009	Pest and disease management in pulses	DATC, Kadajji	Awareness camp	Kadajji	Prasanna Kumara N.
28	23-06-2009	Management of problematic soils	DATC, Kadajji	Training	Kadajji	Dr. Pradeep H.M.
29	23-07-2009	Pest and disease control measures in agriculture and horticulture crops	DATC, Kadajji	Training	Kadajji	Prasanna Kumara N.
30	28-07-2009	IPDM in agriculture and horticulture crops	DATC, Kadajji	Training	Kadajji	Prasanna Kumara N.
31	25-08-2009	Recent trends in production technology of plantation crops and IPM in agriculture and horticulture crops	RSK, Basavapattana	Hasirubhabba	Kanivebilachi, Kamsagara	Basavanagowda M.G. Prasanna Kumara N.

1	2	3	4	5	6	7
32	29-08-2009	Recent trends in production technology of horticulture crops IPM in agriculture and horticulture crops	RSK, Basavapattana	Hasiruhabba	Chidradoni, Basavapattana	Basavanagowda M.G. Prasanna Kumara N.
33	04-08-2009	IPDM in agriculture and horticulture crops	DATC, Kadajji	Awareness camp	Kadajji	Prasanna Kumara N.
34	19-08-2009	Pest and disease control measures in agriculture and horticulture crops	DATC, Kadajji	Awareness camp	Kadajji	Prasanna Kumara N.
35	12-09-2009	Agro processing and marketing strategies	Pragathi grameena bank, attigere	Guest lecture	Attigere	Kavitha P.

Annexure – IV

Details of method demonstration

Sl.No.	Title	No. of programmes
1	Root feeding of TNAU Coconut tonic	03
2	Root feeding of neem based insecticide	04
3	Preparation of Banana special	08
4	Preparation of Vegetable special	04
5	Raised seed bed method	03
6	Fruit and vegetable preservation techniques	02
7	High nutrient efficiency diet	01
8	Preparation of Ragi, Maize and milk value added products	08
9	Preparation of daily consumable products	03

Annexure – V

Workshops/Seminar/Training/Meeting attended

Sl.No.	Date	Programme	Topic	Venue	Organization	Duration (Days)	Scientist
1	2	3	4	5	6	7	8
1	13-09-2008	Meeting	KVK ATMA linkage meeting with Dr. Chandregowda and Dr. Narulla from ICAR and line department officials from Chitradurga and Davanagere district held at JDA office chitradurga.	Chitradurga	ATMA linkage	01	Mallikarjuna B.O. Raghuraja J.
2	23-09-2008	Meeting	Attended Scientific Advisory Committee meeting of AIR, Bhadravathi.	Bhadravathi	AIR, Bhadravathi	01	Mallikarjuna B.O.
3	24-10-2008	Seminar	World Food Day	Tholabhunase	P.G. Centre Shivagangotri	01	Dr. Devaraja T.N. Mallikarjuna B.O.
4	05-11-2008	Workshop	Role of food technology in health care, applications and opportunities	Tholabhunase	P.G. Centre Shivagangotri	01	Basavanagowda M.G.
5	07-11-2008	Workshop	Bhatta Vaibhava	Kumbalore, Harihara (Tq)	Sharana Muddanna Savayava Krishikara Balaga	01	Basavanagowda M.G.
6	14-11-2008 to 15-11-2008	Training	Farmers Field School	Dharwad	DATC, Dharwad	02	Mallikarjuna B.O.
7	17-12-2008	Meeting	Rural advisory committee meeting	Coffee board, Chikkamagalur	AIR, Bhadravathi	01	Prasanna Kumara N.
8	27-12-2008 to 29-12-2008	National Conference	3 rd National Conference	Panthnagar, Uttarkhand	G.B. Pant, Agricultural university	03	Dr. Devaraja T.N.

1	2	3	4	5	6	7	8
9	05-01-2009 to 10-01-2009	Training	Process documentation for development persons	Bangalore	UAS (B)	06	Raghuraja J.
10	03-03-2009 to 06-03-2009	Training	Orientation training programme (FLD, Technology assessment and technology refinement)	JSS, Suttur	ZC unit	04	Prasanna Kumara N. Raghuraja J. Dr. Pradeep H.M. Vijayakumara S.B.
11	11-03-2009 to 13-03-2009	Training	Portable carp fish hatchery	Bhuvaneshwar, Orissa	CIFA	03	Dr. Devaraja T.N.
12	17-03-2009 to 23-03-2009	Training	Improved equipment and machinery for Crop production and Horticulture.	Bhopal	CIAE, Bhopal	06	Mallikarjuna B.O.
13	17-04-2009	Meeting	Attended pre-action plan meeting at UAS, Bangalore	UAS, Bangalore	ZC unit	01	Dr. Devaraja T.N. Mallikarjuna B.O. Prasanna Kumara N.
14	04-05-2009 to 06-05-2009	Meeting	Action plan meeting 2009-10	ZPD, Bangalore	ZPD	03	Dr. Devaraja T.N.
15	14-05-2009	Workshop	Bioavailability of silica	Davanagere	JJM, Medical college, Davanagere	01	Dr. Pradeep H.M. Dr. Jayadevappa G.K.
16	02-06-2009 to 04-06-2009	Training	Gender sensitization modules for cutting edge level extension functionaries	STU, Hebbal, Dharwad	UAS (B)	03	Kavitha P. Raghuraja J.
17	10-06-2009	Meeting	Attended and presented review and action plan meeting of Cotton, Oilseeds and pulses.	UAS Dharwad	UAS Dharwad	01	Mallikarjuna B.O.

1	2	3	4	5	6	7	8
18	16-08-2009	Workshop	KRVP function of 'climate change'	Davanagere	BIET, College, Davanagere	01	Dr. Pradeep H.M.
19	21-08-2009	Training	Maintenance of VRC equipments	Bangalore	ISRO + UAS (B)	01	Raghuraja J.
20	26-08-2009	Seminar	Integrated nutrient and pest management in Paddy	Kumbalore, Harihara (Tq)	Pragathi Grameena Bank and Raitha okkuta	01	Dr. Pradeep H.M. Prasanna Kumara N.

Annexure – VI**A) Details of FLD's implemented during Kharif 2009-10**

Sl. No.	Crop	Thematic area	Technology demonstrated	Season & Year
1	Banana	Micronutrient management	Use of Banana special to tackle micronutrient deficiency	Kharif 2009-10
2	Onion	Integrated Crop Management	Production technology of high yielding variety Arka kalyan	Kharif 2009-10
3	Tomato	Micronutrient management	Application of vegetable special in Tomato	Kharif 2009-10
4	Drumstick	Integrated Crop Management	Production technology of high yielding variety 'Dhanraj' as intercrop in Coconut garden	Kharif 2009-10
5	Coconut	Integrated Pest Management	Management of CBHC in Coconut	Kharif 2009-10
6	Redgram	Integrated Pest Management	Integrated Pest Management in Redgram	Kharif 2009-10
7	Rice	Integrated Crop Management	Integrated Crop Management in Paddy	Kharif 2009-10
8	Ragi	Higher production and productivity	Production technology of HYV Ragi (GPU-28)	Kharif 2009-10
9	Cotton	ICM	Integrated Crop management Use of the Potassium nitrate	Kharif-2009-10
10	Groundnut	ICM	Integrate Crop management in Groundnut	Kharif-2009-10
11	Chilli	IPM	Integrated management of murda complex in Chilli	Kharif-2009-10
12	Fodder	Higher production and productivity	Production and feeding of Co-3 fodder for reducing the feeding cost in dairy animals	Kharif-2009-10
13	Same	Higher production and productivity	Integrate Crop Managemen in Same	Kharif-2009-10
14	Navane	Higher production and productivity	Integrated Crop Managemen in Navane	Kharif-2009-10

Cont.. (A)

Crop	Area (ha)		No. of farmers/demo			Status
	Proposed	Actual	SC/ST	Others	Total	
Banana	08	08	04	08	12	Completed 2 nd spray
Onion	05	05	01	08	09	Crop is at 45 days old
Tomato	02	02	02	08	10	Harvesting started conducted field day
Drumstick	05	05	02	09	11	Farmers selection completed. Raising of seedlings in the nursery is in progress
Coconut	05	05	02	05	07	Root feeding with Azadirectin (15 ml/plant)
Redgram	10	10	11	14	25	Crop is at 60 days old
Rice	06	06	12	03	15	Crop is at tillering stage
Ragi	10	10	16	12	28	Crop is at grain filling stage
Cotton	75	100	39	61	100	Crop is at flowering and boll formation stage
Groundnut	05	05	08	02	10	Crop is at peg initiation stage
Chilli	05	05	05	05	10	Crop is at one month old. Spray with acephate
Fodder	02	02	--	09	09	Planting is in progress
Same	05	05	02	06	08	Crop is at grain filling
Navane	05	05	05	02	07	Crop is at grain filling

B) Details of On Farm Test (Assessment) implemented during Kharif 2009-10

Sl. No.	Crop	Title of Assessment	No. of trial	Status
1	Coconut	Assessment of Coconut nutritional tonic in Coconut	05	Conducted training and farmers selection completed
2	Redgram	Enhancing the productivity in Redgram production system	05	Crop is at 60 days old
3	Maize	Assessment on plant geometry in Maize	05	90 days old crop due to excess rain weeding has not done. In black soils 2 acre area has been vitiated
4	Sunflower	Powdery mildew management	05	Crop is at flowering stage
5	Fisheries - Amur Common Carp, Sterile Common Carp and Common Carp	Assessment of body weight gain among Amur Common carp, sterile common carp and common carp in farm ponds.	05	Fishes have been stocked: Feeding has began

C. Farmers Field School :

Introduction: Farmers Field School (FFS) is one of the established participatory methods of effective learning. FFS was considered as an effective and comprehensive non-formal educational method to teach and technically empower the adult farmers and farm women.

FFS mainly include three categories of actors and they are

- d) FFS participants : Farmers selected by the villagers.
- e) Collaborator : Is a farmer or farm women who gives the land for conducting field studies.
- f) Facilitator : Technically competent person to lead the members through the hands on exercise.

KVK is conducting FFS on Integrated Crop Management in Paddy

Crop : Paddy

Area : 1 acre

Technology : Integrated Crop Management in Paddy

Area : 1.0 acre (Demonstration)

Area : 1.0 acre (Farmer's practice)

Collaborator : Mr. Eranna

Participants : 25 No.

Facilitator : KVK Scientist

Place : Hale Bisaleri, Davanagere (Tq)

Annexure – VII

ಪರಿಣಾಮ ಅಧ್ಯಯನ ನಮೂನೆ
ತರಳಬಾಳು ಕೃಷಿ ವಿಜ್ಞಾನ ಕೇಂದ್ರ, ದಾವಣಗೆರೆ

ಎರೆ ಗೊಬ್ಬರ ತಯಾರಿಕಾ ತರಬೇತಿ

1. ರೈತರ ಹೆಸರು :-----
2. ಊರು ಮತ್ತು ತಾಲ್ಲೂಕು :-----
3. ವಿದ್ಯಾಭ್ಯಾಸ :-----
4. ಒಟ್ಟು ಜಮೀನು :-----ಎಕರೆ
5. ಮುಖ್ಯ ಬೆಳೆಗಳು :-----
6. ತರಳಬಾಳು ಕೃಷಿ ವಿಜ್ಞಾನ ಕೇಂದ್ರದಿಂದ “ಎರೆ ಗೊಬ್ಬರ ತಯಾರಿಕೆ ಮತ್ತು ಅದರ ಮಹತ್ವದ” ತರಬೇತಿಗೂ ಮೊದಲೇ ನಿಮಗೆ ಇದರ ಬಗ್ಗೆ ತಿಳಿದಿತ್ತೇ ?
ಹೌದು / ಇಲ್ಲ
7. ಈ ತರಬೇತಿಯಿಂದ “ಎರೆ ಗೊಬ್ಬರ” ತಯಾರಿಸಲು ಉಪಯುಕ್ತ ಮಾಹಿತಿ ದೊರಕಿತ್ತೇ? ಹೌದು / ಇಲ್ಲ
8. ನೀವು ಈಗ ಎರೆ ಗೊಬ್ಬರ ತಯಾರಿಸುತ್ತಿದ್ದೀರಾ ? ಹೌದು / ಇಲ್ಲ
9. ಇಲ್ಲವಾದರೆ ಅದಕ್ಕೆ ಕಾರಣಗಳು:
ಅ. -----
ಆ. -----
ಇ. -----
10. ನೀವು ಎರೆಗೊಬ್ಬರ ತಯಾರಿಸುತ್ತಿದ್ದರೆ, ಅದನ್ನು ಹೇಗೆ ಉಪಯೋಗಿಸುತ್ತಿದ್ದೀರಿ ?

ನಿಮ್ಮ ಸ್ವಂತ ಉಪಯೋಗಕ್ಕೆ / ಮಾರಾಟಕ್ಕೆ / ಇವೆರಡಕ್ಕೂ.

11. ನೀವು ಎರೆಗೊಬ್ಬರ ಮಾರಾಟ ಮಾಡುತ್ತಿದ್ದರೆ ವರ್ಷಕ್ಕೆ ಎಷ್ಟು ಆದಾಯಗಳಿಸುತ್ತಿದ್ದೀರಿ ? ರೂ. _____

12. ಎರೆಗೊಬ್ಬರ ತಯಾರಿಕೆಯಲ್ಲಿ ನಿಮಗೆ ಇರುವ ತೊಂದರೆಗಳು

ಅ_____

ಆ_____

ಇ_____

ಈ_____

ಉ_____

15. ನೀವು ಎರೆಗೊಬ್ಬರ ತಯಾರಿಕೆ ಪ್ರಾರಂಭಮಾಡಿದಾಗಿನಿಂದ ರಾಸಾಯನಿಕ ಗೊಬ್ಬರ ಕೊಳ್ಳುವುದು ಕಡಿಮೆಯಾಗಿದೆಯೇ ?

ಕೊಳ್ಳುತ್ತಿಲ್ಲ / ಕಡಿಮೆಯಾಗಿದೆ / ಏನು ವ್ಯತ್ಯಾಸವಾಗಿಲ್ಲ

16. ನಿಮ್ಮಿಂದ ಪ್ರೇರಿತರಾಗಿ ಎಷ್ಟು ರೈತರು ಎರೆಗೊಬ್ಬರ ತಯಾರಿಸುತ್ತಿದ್ದಾರೆ? ---- ರೈತರು